Product Environmental Profile

Moulded Case Circuit Breaker h3 x160 TM ADJ 3P3D 100A 18kA CTC

Company information

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References covered

For complete list of the covered references, see details in Appendix.

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed4-2021 09 06 and PSR version PSR-0005-ed3.1-2023 12 08 issued by the PEP ecopassport program.
For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification
HDA100U

Use scenario based on :
PSR product Category : PSR-0005-ed3.1-2023 12 08
3.2. Circuit-breakers

Functional unit

Protect the installation from overloads and short circuits in a circuit with rated voltage 220/415V, rated current 100A, with 3 poles, a rated breaking capacity 18kV, according Industrial use scenario, and during the reference service life of the product of 20 years.

The functional unit is based on the use scenario recommended by the PCR for the category of the reference product.

Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Others		
	g	%		g	%		g	%
PET	220.57	20.2%	Steel	304.14	27.9%	Cardboard	150.16	13.8%
PA6	49.40	4.5%	Copper	69.75	6.4%	Glass	102.64	9.4%
PA66	39.56	3.6%	Brass	50.99	4.7%	Wood	25.90	2.4%
PE-LD	6.19	0.6%	Zinc	18.90	1.7%	Melamine cyanurate	8.82	0.8%
PET	5.33	0.5%	Other	25.70	2.4%	Paper	9.58	0.9%
Other	1.82	0.2%				Other	1.19	0.1%
Total mass of reference product with raw material packaging :			**1090.63 g**					

Total mass of reference product (Product + packaging)	**1036.1 g**

System Boundaries

The environmental information included in the PEP covers all the stages of the life cycle, from "cradle to grave".

Manufacturing			Distribution	Installation	Use							End of life				Module D
Raw material extraction and processing	Transport to the manufacturer	Manufacturing	Distribution to the place of operation	Installation on the place of operation	Use or application of the product installed	Maintenance	Repair	Replacement	Restoration	Energy requirements during the use stage	Water requirements during the use stage	Deinstallation	Transport to the waste treatment site	Treatment of waste in view of its reuse, recovery and/or recycling	Disposal	Benefits and loads beyond the system boundaries
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Life cycle stages																

Manufacturing

These products are manufactured by a site that has received an environmental certification ISO 14001.

This phase takes into account raw materials, manufacturing processes, production offcuts and their end-of-life treatment, upstream transport of materials and sub-assemblies to the manufacturing site, and transport from the manufacturing site to the final logistics platform.

Distribution

The packaging has been designed in accordance with current regulations. In particular, the European directive 94/62/CE relative to packaging and packaging waste.

The used packaging is 100% recyclable or recoverable.
Packaging and logistic flows are continuously improved in order to reduce their impact.

This phase taken into account the transport of the finished product, including packaging, to its place of use.

Installation

Installation processes

The processes to install the product are not considered in this study because of their weak impact compared to the other life cycles steps.

This phase only take into account the impact of the packaging waste treatment.

Installation elements (non delivered with the product)

Elements non delivered with the product and needed to install the product are not considered.

Use

Power loss / load dependent			
Active mode		Inactive mode	
Watt	% of time	Watt	% of time
8.925	30%	0	70%

Power consumption / not load dependent					
Active Sleep phase		Passive Sleep phase		Turn off phase	
Watt	% of time	Watt	% of time	Watt	% of time
0	100%	0	0%	0	0%

This corresponds to a total energy consumption of 469.10 kWh for the use span of 20 years.

Energy model of the use phase :
Europe

Consumables and maintenance :
None

End of life

Considering the complexity of the recycling channels for electric and electronic equipment impacts, we rely mainely on ESR modules (datasets for WEEE product end of life).

The recycling potential of the product is: 46%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: raw materials + manufacturing (RMM), distribution (D), installation (I), use (U) and end of life (EoL).

All calculations are done with EIME software version 6.2.3 with the database version CODDE-2024-04 .
Indicators set : Indicators for PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0
PEP representative of the covered products marketed in: Europe
Energy models considered for each phase

Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4
Europe	-	Europe	Europe	Europe

Environmental impact indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Acidification (PEF-AP)	mole H+ eq.	1.13E-01	1.15E-03	4.42E-04	8.47E-01	7.89E-03	9.70E-01	-1.25E-02
Climate change - Total (PEF-GWP)	kg CO2 eq.	1.30E+01	1.82E-01	2.07E-01	1.65E+02	1.07E+00	1.80E+02	-2.90E-01
Climate change-Biogenic (PEF-GWPb)	kg CO2 eq.	-8.40E-02	0.00E+00	3.53E-02	3.04E-01	1.93E-01	4.48E-01	2.81E-03
Climate change-Fossil (PEF-GWPf)	kg CO2 eq.	1.31E+01	1.82E-01	1.72E-01	1.65E+02	8.77E-01	1.79E+02	-2.93E-01
Climate change-Land use and land use change (PEF-GWPlu)	kg CO2 eq.	5.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-06	0.00E+00
Ecotoxicity, freshwater (PEF-CTUe)	CTUe	2.26E+03	1.19E-01	2.21E+00	3.12E+02	6.89E+00	2.58E+03	-3.37E+00
EF-particulate Matter (PEF-PM)	Incidence of diseases	7.63E-07	9.37E-09	2.66E-09	6.82E-06	3.47E-08	7.63E-06	-6.27E-08
Eutrophication, freshwater (PEF-Epf)	kg P eq.	9.42E-04	6.82E-08	2.19E-06	4.35E-04	1.32E-05	1.39E-03	-1.59E-03
Eutrophication, marine (PEF-Epm)	kg N eq.	2.22E-02	5.40E-04	2.05E-04	1.03E-01	4.53E-03	1.31E-01	2.05E-03
Eutrophication, terrestrial (PEF-Ept)	mole of N eq.	2.44E-01	5.92E-03	1.30E-03	1.66E+00	8.24E-03	1.92E+00	-1.05E-02
Human toxicity, cancer (PEF-CTUh-c)	CTUh	1.28E-06	3.20E-12	1.68E-08	2.08E-08	1.45E-09	1.32E-06	-6.65E-09
Human toxicity, non-cancer (PEF-CTUh-nc)	CTUh	8.65E-07	6.18E-11	4.99E-10	4.97E-07	5.46E-08	1.42E-06	-1.51E-07
Ionising radiation, human health (PEF-IR)	kg Bq U235 eq.	5.98E+01	4.43E-04	2.59E-02	2.38E+02	3.86E-02	2.98E+02	-4.80E-04
Land use (PEF-LU)	No dimension	2.59E+00	0.00E+00	4.06E-04	4.58E+00	1.90E+00	9.07E+00	-2.33E+00
Ozone depletion (PEF-ODP)	kg CFC-11 eq.	3.61E-06	2.79E-10	2.00E-09	8.01E-07	6.67E-08	4.48E-06	-9.70E-09
Photochemical ozone formation - human health (PEF-POCP)	kg of NMVOC eq.	6.79E-02	1.49E-03	3.03E-04	3.25E-01	2.37E-03	3.97E-01	-4.13E-03
Resource use, fossils (PEF-ADPf)	MJ	3.31E+02	2.54E+00	1.51E+00	4.17E+03	8.49E+00	4.52E+03	-4.56E+00
Resource use, minerals and metals (PEF-ADPe)	kg Sb eq	5.37E-04	7.16E-09	3.82E-09	5.85E-05	-7.47E-07	5.95E-04	-6.08E-05
Water use (PEF-WU)	m3 eq.	4.41E+00	6.91E-04	1.30E-02	1.27E+01	2.07E+02	2.24E+02	-1.92E+02

Resource use indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Net use of fresh water	m3	1.03E-01	1.61E-05	3.03E-04	2.98E-01	5.64E+00	6.04E+00	-4.35E+00
Total primary energy	MJ	3.39E+02	2.54E+00	1.71E+00	5.28E+03	9.42E+00	5.63E+03	-5.04E+00
Total non renewable primary energy	MJ	3.31E+02	2.54E+00	1.51E+00	4.17E+03	8.49E+00	4.52E+03	-4.56E+00
Total renewable primary energy	MJ	7.49E+00	3.39E-03	2.03E-01	1.10E+03	9.37E-01	1.11E+03	-4.81E-01
Non renewable primary energy used as energy	MJ	3.20E+02	2.54E+00	1.51E+00	4.17E+03	8.49E+00	4.51E+03	-4.56E+00
Non renewable primary energy used as raw material	MJ	1.13E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+01	0.00E+00
Use of non renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Renewable primary energy used as energy	MJ	4.16E+00	3.39E-03	2.03E-01	1.10E+03	9.37E-01	1.11E+03	-4.81E-01
Renewable primary energy used as raw material	MJ	3.33E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E+00	0.00E+00
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of secondary material	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Waste category indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Hazardous waste disposed	kg	2.69E+01	0.00E+00	3.75E-03	7.25E+00	-2.01E-02	3.42E+01	1.05E-19
Non hazardous waste disposed	kg	2.59E+00	6.38E-03	7.22E-02	2.79E+01	2.65E-01	3.09E+01	3.61E-19
Radioactive waste disposed	kg	1.15E-03	4.55E-06	8.15E-06	6.41E-03	6.52E-06	7.57E-03	0.00E+00

Output flow indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	8.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-03	0.00E+00
Materials for energy recovery	kg	1.18E-02	0.00E+00	1.75E-02	0.00E+00	2.67E-05	2.93E-02	0.00E+00
Materials for recycling	kg	3.89E-01	0.00E+00	5.52E-03	0.00E+00	0.00E+00	3.94E-01	0.00E+00

Biogenic carbon content

Packaging	Unit	Cardboard	Paper	Wood	Sum
Biogenic carbon content (ratio)	%	2.80E+01	3.78E+01	3.95E+01	
Mass	kg	1.50E-01	9.58E-03	2.59E-02	1.86E-01
Biogenic carbon content (declared unit)	kg of C	4.20E-02	3.62E-03	1.02E-02	5.59E-02
Biogenic carbon content (functional unit)	kg of C	4.20E-02	3.62E-03	1.02E-02	5.59E-02
Source		ADEME	APESA/RECORD	EN 16485	

Product	Unit	Cardboard	Paper	Wood	Sum
Mass	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content (declared unit)	kg of C	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content (functional unit)	kg of C	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Extrapolation rules

For each reference in this homogeneous family (see Appendix), the environmental impacts for each phase and indicator are either derived from life-cycle analysis (LCA), or extrapolated: for the use phase, based on power consumption, and for the other phases, based on material type and component weight.

Verification

Registration N°: HAGE-01371-V02.01-EN	Drafting Rules	PEP-PCR-ed4-2021 09 06
	Supplemented by	PSR-0005-ed3.1-2023 12 08
Verifier accreditation N°: VH35	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 7-2025	Validity period:	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006		
Internal ● External ○		
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)		
PEPs are compliant with XP C08-100-1:2016 or EN 50693:2019 The elements of the present PEP cannot be compared with elements from another program.		
Document in compliance with ISO 14025 : 2006 « Environmental labels and declarations. Type III environmental declarations »		

Nota :
The picture has no contractual value.
All numerical values indicated in this document may vary and depend of many factors such as the tolerance related to materials, the usage and environment conditions of the products, installation characteristics ... , real values for a product in a concrete application may therefore change.
The usage time mentioned in this document is an average duration chosen for the need of the calculations. This value cannot be assimilated to the minimum, average or real life time.
The responsibility of the company, issuing this document, can never be engaged if differences would be noticed between the values given by this document and real ones, whatever the causes and/or consequences would be.

Appendix

Stage	Product	Acidification (PEF-AP) - [mole H+ eq.]	Climate change - Total (PEF-GWP) - [kg CO2 eq.]	Climate change-Biogenic (PEF-GWPb) - [kg CO2 eq.]	Climate change-Fossil (PEF-GWPf) - [kg CO2 eq.]	Climate change-Land use and land use change (PEF-GWPlu) - [kg CO2 eq.]	Components for re-use - [kg]	Ecotoxicity, freshwater (PEF-CTUe) - [CTUe]	Eutrophication, freshwater (PEF-Epf) - [kg P eq.]	Eutrophication, marine (PEF-Epm) - [kg N eq.]	Eutrophication, terrestrial (PEF-Ept) - [mole of N eq.]	Exported energy - [MJ]	Hazardous waste disposed - [kg]	Human toxicity, cancer (PEF-CTUh-c) - [CTUh]	Human toxicity, non-cancer (PEF-CTUh-nc) - [CTUh]	Ionising radiation, human health (PEF-IR) - [kg Bq U235 eq.]	Land use (PEF-LU)	Materials for energy recovery - [kg]	Materials for recycling - [kg]	Net use of fresh water - [m3]	Non hazardous waste disposed - [kg]	Non renewable primary energy used as energy - [MJ]	Non renewable primary energy used as raw material - [MJ]	Ozone depletion (PEF-ODP) - [kg CFC-11 eq.]	EF-particulate Matter (PEF-PM) - [Incidence of diseases]	Photochemical ozone formation - human health (PEF-POCP) - [kg of NMVOC eq.]	Radioactive waste disposed - [kg]	Renewable primary energy used as energy - [MJ]	Renewable primary energy used as raw material - [MJ]	Resource use, fossils (PEF-ADPf) - [MJ]	Resource use, minerals and metals (PEF-ADPe) - [kg Sb eq]	Total non renewable primary energy - [MJ]	Total primary energy - [MJ]	Total renewable primary energy - [MJ]	Use of non renewable secondary fuels - [MJ]	Use of renewable secondary fuels - [MJ]	Use of secondary material - [kg]	Water use (PEF-WU) - [m3 eq.]
Manufacturing A1-A3	HDA100U	1.13E-01	1.30E+01	-8.40E-02	1.31E+01	5.22E-06	0.00E+00	2.26E+03	9.42E-04	2.22E-02	2.44E-01	8.73E-03	2.69E+01	1.28E-06	8.65E-07	5.98E+01	2.59E+00	1.18E-02	3.89E-01	1.03E-01	2.59E+00	3.20E+02	1.13E+01	3.61E-06	7.63E-07	6.79E-02	1.15E-03	4.16E+00	3.33E+00	3.31E+02	5.37E-04	3.31E+02	3.39E+02	7.49E+00	0.00E+00	0.00E+00	0.00E+00	4.41E+00
	HDA014E	4.99E-02	5.84E+00	-1.06E-01	5.94E+00	2.40E-07	0.00E+00	8.54E+02	4.01E-04	9.19E-03	1.01E-01	3.89E-03	1.30E+01	4.38E-07	3.50E-07	2.64E+01	1.12E+00	5.27E-03	2.00E-01	4.71E-02	1.07E+00	1.49E+02	3.62E+00	3.14E-06	3.62E-07	2.85E-02	4.29E-04	2.02E+00	2.12E+00	1.53E+02	2.33E-04	1.53E+02	1.57E+02	4.15E+00	0.00E+00	0.00E+00	0.00E+00	2.02E+00
	HDA014Z	9.64E-02	9.39E+00	-3.64E-02	9.05E+00	6.44E-06	0.00E+00	1.20E+03	4.45E-04	1.01E-02	1.04E-01	8.75E-03	4.03E+01	1.09E-06	8.50E-07	6.02E+01	1.08E+00	1.24E-02	2.43E-01	1.02E-01	1.86E+00	1.75E+02	7.00E+00	3.64E-06	7.31E-07	3.54E-02	5.64E-04	4.26E+00	2.55E+00	1.97E+02	1.08E-03	1.97E+02	2.09E+02	6.45E+00	0.00E+00	0.00E+00	6.56E-05	4.32E+00
	HDA015Z	9.80E-02	1.00E+01	-6.44E-02	9.75E+00	6.75E-06	0.00E+00	1.33E+03	7.48E-04	1.93E-02	2.03E-01	6.67E-03	2.50E+01	1.15E-06	6.04E-07	4.35E+01	1.14E+00	9.37E-03	4.03E-01	8.00E-02	1.92E+00	2.93E+02	7.08E+00	3.66E-06	5.43E-07	7.01E-02	6.10E-04	3.66E+00	2.73E+00	3.16E+02	9.51E-04	3.16E+02	3.14E+02	6.73E+00	0.00E+00	0.00E+00	3.34E-05	3.50E+00
	HDA016L	1.08E-01	1.31E+01	-8.13E-02	1.32E+01	2.74E-06	0.00E+00	2.53E+03	9.13E-04	2.46E-02	2.68E-01	8.52E-03	2.87E+01	9.21E-07	8.12E-07	6.45E+01	2.24E+00	1.16E-02	4.05E-01	1.04E-01	2.55E+00	3.35E+02	1.03E+01	3.32E-06	7.95E-07	7.49E-02	1.11E-03	4.35E+00	3.28E+00	3.45E+02	5.35E-04	3.45E+02	3.54E+02	7.55E+00	0.00E+00	0.00E+00	0.00E+00	4.50E+00
	HDA016Z	1.07E-01	1.29E+01	-7.67E-02	1.30E+01	2.82E-06	0.00E+00	2.08E+03	9.09E-04	2.39E-02	2.59E-01	8.23E-03	2.92E+01	9.07E-07	8.10E-07	6.49E+01	2.25E+00	1.12E-02	3.96E-01	1.05E-01	2.56E+00	3.30E+02	9.89E+00	3.30E-06	7.88E-07	7.27E-02	1.11E-03	4.30E+00	3.29E+00	3.39E+02	5.44E-04	3.39E+02	3.48E+02	7.50E+00	0.00E+00	0.00E+00	0.00E+00	4.50E+00
	HDA017L	1.34E-01	1.51E+01	-9.55E-02	1.54E+01	2.85E-06	0.00E+00	3.07E+03	1.19E-03	2.73E-02	2.99E-01	1.08E-02	4.09E+01	8.21E-07	1.09E-06	1.06E+02	3.03E+00	1.45E-02	4.87E-01	1.50E-01	2.86E+00	3.98E+02	1.19E+01	3.54E-06	9.78E-07	8.65E-02	1.32E-03	5.52E+00	3.56E+00	4.10E+02	6.66E-04	4.10E+02	4.18E+02	8.42E+00	0.00E+00	0.00E+00	0.00E+00	6.44E+00
	HDA017Z	1.30E-01	1.46E+01	-9.04E-02	1.49E+01	2.90E-06	0.00E+00	2.98E+03	1.16E-03	2.59E-02	2.85E-01	1.02E-02	3.44E+01	8.50E-07	1.10E-06	9.17E+01	2.94E+00	1.38E-02	4.65E-01	1.41E-01	2.58E+00	3.82E+02	1.09E+01	3.55E-06	9.26E-07	8.15E-02	1.13E-03	5.44E+00	3.60E+00	3.98E+02	6.41E-04	3.98E+02	4.04E+02	8.30E+00	0.00E+00	0.00E+00	0.00E+00	6.06E+00
	HDA018E	4.77E-02	5.74E+00	-6.67E-02	5.98E+00	2.48E-07	0.00E+00	8.52E+02	3.98E-04	9.14E-03	9.75E-02	3.87E-03	1.34E+01	4.27E-07	3.32E-07	2.51E+01	1.01E+00	5.22E-03	1.94E-01	4.38E-02	1.07E+00	1.67E+02	3.89E+00	3.13E-06	3.38E-07	2.86E-02	4.48E-04	1.90E+00	2.17E+00	1.71E+02	2.34E-04	1.71E+02	1.86E+02	3.99E+00	0.00E+00	0.00E+00	0.00E+00	1.92E+00
	HDA018Z	9.64E-02	9.39E+00	-3.64E-02	9.05E+00	6.44E-06	0.00E+00	1.20E+03	4.45E-04	1.01E-02	1.04E-01	8.75E-03	4.03E+01	1.09E-06	8.50E-07	6.02E+01	1.08E+00	1.24E-02	2.43E-01	1.02E-01	1.86E+00	1.75E+02	7.00E+00	3.64E-06	7.31E-07	3.54E-02	5.64E-04	4.26E+00	2.55E+00	1.97E+02	1.08E-03	1.97E+02	2.09E+02	6.45E+00	0.00E+00	0.00E+00	6.56E-05	4.32E+00
	HDA019Z	9.80E-02	1.00E+01	-6.34E-02	9.73E+00	6.75E-06	0.00E+00	1.33E+03	7.48E-04	1.93E-02	2.03E-01	6.67E-03	2.49E+01	1.16E-06	6.03E-07	4.33E+01	1.13E+00	9.36E-03	4.02E-01	7.98E-02	1.92E+00	2.93E+02	7.13E+00	3.66E-06	5.41E-07	7.01E-02	6.11E-04	3.66E+00	2.73E+00	3.16E+02	9.50E-04	3.16E+02	3.14E+02	6.70E+00	0.00E+00	0.00E+00	3.34E-05	3.49E+00
	HDA020L	1.12E-01	1.33E+01	-8.16E-02	1.31E+01	2.59E-06	0.00E+00	2.48E+03	9.28E-04	2.46E-02	2.68E-01	8.21E-03	2.78E+01	9.22E-07	7.51E-07	5.88E+01	2.47E+00	1.10E-02	4.04E-01	9.63E-02	2.46E+00	3.35E+02	1.08E+01	3.32E-06	7.49E-07	7.49E-02	9.90E-04	4.25E+00	3.09E+00	3.45E+02	5.01E-04	3.45E+02	3.54E+02	7.60E+00	0.00E+00	0.00E+00	0.00E+00	4.16E+00
	HDA020Z	1.15E-01	1.34E+01	-7.63E-02	1.36E+01	2.87E-06	0.00E+00	2.14E+03	9.37E-04	2.39E-02	2.59E-01	8.50E-03	3.10E+01	9.07E-07	8.32E-07	6.62E+01	2.62E+00	1.15E-02	3.96E-01	1.08E-01	2.66E+00	3.30E+02	1.06E+01	3.31E-06	8.25E-07	7.27E-02	1.14E-03	4.34E+00	3.29E+00	3.39E+02	5.59E-04	3.39E+02	3.48E+02	7.65E+00	0.00E+00	0.00E+00	0.00E+00	4.63E+00
	HDA021L	1.46E-01	1.58E+01	-9.51E-02	1.61E+01	2.98E-06	0.00E+00	3.11E+03	1.23E-03	2.73E-02	2.99E-01	1.11E-02	4.20E+01	8.23E-07	1.09E-06	1.06E+02	3.52E+00	1.50E-02	4.87E-01	1.50E-01	3.08E+00	3.98E+02	1.28E+01	3.55E-06	1.02E-06	8.66E-02	1.41E-03	5.54E+00	3.56E+00	4.10E+02	6.94E-04	4.10E+02	4.18E+02	8.56E+00	0.00E+00	0.00E+00	0.00E+00	6.45E+00
	HDA021Z	1.46E-01	1.53E+01	-8.97E-02	1.56E+01	2.96E-06	0.00E+00	3.12E+03	1.21E-03	2.63E-02	2.91E-01	1.08E-02	3.96E+01	8.51E-07	1.09E-06	1.04E+02	3.43E+00	1.46E-02	4.80E-01	1.47E-01	2.70E+00	3.91E+02	1.17E+01	3.58E-06	9.90E-07	8.17E-02	1.19E-03	5.46E+00	4.44E+00	4.06E+02	6.95E-04	4.06E+02	4.16E+02	9.98E+00	0.00E+00	0.00E+00	0.00E+00	6.32E+00
	HDA023E	4.75E-02	5.73E+00	-6.66E-02	5.96E+00	2.47E-07	0.00E+00	8.51E+02	3.98E-04	9.13E-03	9.74E-02	3.86E-03	1.33E+01	4.27E-07	3.31E-07	2.49E+01	1.00E+00	5.22E-03	1.94E-01	4.38E-02	1.07E+00	1.67E+02	3.90E+00	3.13E-06	3.35E-07	2.86E-02	4.48E-04	1.89E+00	2.17E+00	1.71E+02	2.34E-04	1.71E+02	1.86E+02	3.98E+00	0.00E+00	0.00E+00	0.00E+00	1.91E+00
	HDA023Z	9.62E-02	9.38E+00	-3.64E-02	9.03E+00	6.44E-06	0.00E+00	1.20E+03	4.42E-04	1.01E-02	1.03E-01	8.74E-03	4.03E+01	1.09E-06	8.48E-07	5.99E+01	1.07E+00	1.24E-02	2.42E-01	1.02E-01	1.86E+00	1.74E+02	7.01E+00	3.64E-06	7.28E-07	3.53E-02	5.65E-04	4.26E+00	2.55E+00	1.96E+02	1.07E-03	1.96E+02	2.09E+02	6.44E+00	0.00E+00	0.00E+00	6.56E-05	4.30E+00
	HDA024Z	1.05E-01	1.04E+01	-6.34E-02	1.02E+01	6.77E-06	0.00E+00	1.39E+03	7.76E-04	1.92E-02	2.02E-01	6.91E-03	2.66E+01	1.16E-06	6.23E-07	4.57E+01	1.47E+00	9.69E-03	4.02E-01	8.31E-02	1.99E+00	2.93E+02	7.82E+00	3.67E-06	5.74E-07	7.01E-02	6.42E-04	3.70E+00	2.73E+00	3.16E+02	9.61E-04	3.16E+02	3.14E+02	6.84E+00	0.00E+00	0.00E+00	3.34E-05	3.60E+00
	HDA025L	1.18E-01	1.39E+01	-5.29E-02	1.35E+01	2.64E-06	0.00E+00	2.63E+03	9.40E-04	2.46E-02	2.68E-01	8.41E-03	2.82E+01	9.22E-07	7.69E-07	6.11E+01	2.53E+00	1.13E-02	4.04E-01	9.96E-02	2.50E+00	3.35E+02	1.13E+01	3.34E-06	7.76E-07	7.49E-02	1.01E-03	4.34E+00	3.09E+00	3.45E+02	5.12E-04	3.45E+02	3.54E+02	7.74E+00	0.00E+00	0.00E+00	0.00E+00	4.29E+00
	HDA025U	1.26E-01	1.47E+01	-8.42E-02	1.48E+01	5.22E-06	0.00E+00	2.26E+03	9.43E-04	2.61E-02	2.87E-01	8.90E-03	2.89E+01	1.29E-06	8.76E-07	5.94E+01	2.59E+00	1.20E-02	4.02E-01	1.08E-01	2.89E+00	3.44E+02	1.13E+01	3.69E-06	9.03E-07	7.92E-02	1.22E-03	4.63E+00	3.35E+00	3.56E+02	5.63E-04	3.56E+02	3.64E+02	7.98E+00	0.00E+00	0.00E+00	0.00E+00	4.65E+00
	HDA025Z	1.22E-01	1.40E+01	-7.83E-02	1.40E+01	2.92E-06	0.00E+00	2.25E+03	9.45E-04	2.40E-02	2.61E-01	8.74E-03	3.12E+01	9.07E-07	8.53E-07	6.64E+01	2.66E+00	1.18E-02	3.95E-01	1.11E-01	2.73E+00	3.30E+02	1.12E+01	3.40E-06	8.50E-07	7.27E-02	1.17E-03	4.42E+00	3.32E+00	3.40E+02	5.76E-04	3.40E+02	3.48E+02	7.76E+00	0.00E+00	0.00E+00	0.00E+00	4.75E+00
	HDA026L	1.58E-01	1.66E+01	-9.52E-02	1.67E+01	3.04E-06	0.00E+00	3.40E+03	1.26E-03	2.77E-02	3.05E-01	1.18E-02	4.30E+01	8.28E-07	1.09E-06	1.06E+02	3.59E+00	1.60E-02	5.03E-01	1.51E-01	3.18E+00	4.07E+02	1.34E+01	3.65E-06	1.06E-06	8.67E-02	1.46E-03	5.53E+00	4.45E+00	4.19E+02	7.56E-04	4.19E+02	4.30E+02	1.00E+01	0.00E+00	0.00E+00	0.00E+00	6.48E+00
	HDA026U	1.56E-01	1.61E+01	-9.00E-02	1.62E+01	5.28E-06	0.00E+00	3.34E+03	1.22E-03	2.64E-02	2.91E-01	1.10E-02	4.10E+01	8.71E-07	1.10E-06	1.05E+02	3.48E+00	1.50E-02	4.80E-01	1.48E-01	2.78E+00	3.92E+02	1.23E+01	3.76E-06	1.02E-06	8.20E-02	1.23E-03	5.56E+00	4.49E+00	4.08E+02	7.07E-04	4.08E+02	4.17E+02	1.01E+01	0.00E+00	0.00E+00	0.00E+00	6.37E+00
	HDA026Z	1.64E-01	1.63E+01	-6.49E-02	1.61E+01	9.70E-06	0.00E+00	2.92E+03	1.17E-03	2.71E-02	2.95E-01	1.22E-02	4.67E+01	1.27E-06	1.26E-06	1.15E+02	3.52E+00	1.67E-02	4.91E-01	1.67E-01	3.43E+00	3.74E+02	1.45E+01	4.07E-06	1.09E-06	8.83E-02	1.42E-03	6.59E+00	4.66E+00	3.97E+02	1.37E-03	3.97E+02	4.04E+02	1.12E+01	0.00E+00	0.00E+00	4.29E-05	7.22E+00
	HDA030E	4.76E-02	5.44E+00	-1.06E-01	5.54E+00	2.40E-07	0.00E+00	8.53E+02	4.01E-04	8.30E-03	9.13E-02	3.86E-03	1.25E+01	4.39E-07	3.50E-07	2.66E+01	1.12E+00	5.23E-03	1.96E-01	4.66E-02	1.05E+00	1.44E+02	3.61E+00	3.12E-06	3.32E-07	2.60E-02	4.10E-04	1.90E+00	2.12E+00	1.47E+02	2.25E-04	1.47E+02	1.51E+02	4.02E+00	0.00E+00	0.00E+00	0.00E+00	2.00E+00
	HDA030Z	9.64E-02	9.40E+00	-3.63E-02	9.05E+00	6.44E-06	0.00E+00	1.20E+03	4.45E-04	1.01E-02	1.04E-01	8.75E-03	4.03E+01	1.09E-06	8.50E-07	6.02E+01	1.08E+00	1.24E-02	2.43E-01	1.02E-01	1.86E+00	1.75E+02	7.00E+00	3.64E-06	7.31E-07	3.54E-02	5.64E-04	4.26E+00	2.55E+00	1.97E+02	1.08E-03	1.97E+02	2.10E+02	6.45E+00	0.00E+00	0.00E+00	6.56E-05	4.32E+00
	HDA032L	1.11E-01	1.30E+01	-8.55E-02	1.32E+01	2.82E-06	0.00E+00	2.58E+03	9.37E-04	2.40E-02	2.64E-01	8.81E-03	2.70E+01	1.29E-06	8.48E-07	6.10E+01	2.54E+00	1.19E-02	4.01E-01	1.04E-01	2.68E+00	3.29E+02	1.10E+01	3.33E-06	7.93E-07	7.33E-02	1.13E-03	4.17E+00	3.29E+00	3.40E+02	5.25E-04	3.40E+02	3.48E+02	7.44E+00	0.00E+00	0.00E+00	0.00E+00	4.46E+00
	HDA032Z	1.18E-01	1.34E+01	-8.39E-02	1.34E+01	2.97E-06	0.00E+00	2.24E+03	9.41E-04	2.33E-02	2.56E-01	8.68E-03	2.71E+01	1.29E-06	8.70E-07	5.95E+01	2.59E+00	1.17E-02	3.90E-01	1.06E-01	2.77E+00	3.24E+02	1.12E+01	3.30E-06	8.06E-07	7.12E-02	1.16E-03	4.11E+00	3.32E+00	3.35E+02	5.38E-04	3.35E+02	3.43E+02	7.43E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+00
	HDA033L	1.49E-01	1.59E+01	-9.68E-02	1.62E+01	2.99E-06	0.00E+00	3.17E+03	1.24E-03	2.78E-02	3.05E-01	1.14E-02	4.02E+01	1.17E-06	1.11E-06	1.06E+02	3.48E+00	1.55E-02	5.06E-01	1.47E-01	3.11E+00	4.10E+02	1.27E+01	3.59E-06	1.02E-06	8.66E-02	1.42E-03	5.52E+00	4.53E+00	4.23E+02	7.26E-04	4.23E+02	4.33E+02	1.00E+01	0.00E+00	0.00E+00	0.00E+00	6.36E+00
	HDA033Z	1.42E-01	1.52E+01	-9.38E-02	1.55E+01	2.97E-06	0.00E+00	3.10E+03	1.21E-03	2.63E-02	2.91E-01	1.07E-02	3.35E+01	1.27E-06	1.11E-06	9.18E+01	3.36E+00	1.46E-02	4.81E-01	1.39E-01	2.74E+00	3.91E+02	1.16E+01	3.57E-06	9.64E-07	8.17E-02	1.18E-03	5.41E+00	4.44E+00	4.08E+02	6.77E-04	4.08E+02	4.16E+02	9.90E+00	0.00E+00	0.00E+00	0.00E+00	5.97E+00
	HDA038Z	9.62E-02	9.38E+00	-3.62E-02	9.03E+00	6.44E-06	0.00E+00	1.20E+03	4.42E-04	1.01E-02	1.03E-01	8.74E-03	4.03E+01	1.09E-06	8.48E-07	5.99E+01	1.07E+00	1.24E-02	2.42E-01	1.02E-01	1.86E+00	1.74E+02	7.02E+00	3.64E-06	7.28E-07	3.53E-02	5.65E-04	4.26E+00	2.55E+00	1.96E+02	1.07E-03	1.96E+02	2.09E+02	6.44E+00	0.00E+00	0.00E+00	6.56E-05	4.30E+00
	HDA040L	1.14E-01	1.33E+01	-5.67E-02	1.30E+01	2.65E-06	0.00E+00	2.53E+03	9.28E-04	2.40E-02	2.64E-01	8.42E-03	2.55E+01	1.29E-06	7.83E-07	5.56E+01	2.42E+00	1.13E-02	4.01E-01	9.62E-02	2.53E+00	3.29E+02	1.11E+01	3.34E-06	7.37E-07	7.33E-02	9.97E-04	4.12E+00	3.10E+00	3.40E+02	4.88E-04	3.40E+02	3.48E+02	7.47E+00	0.00E+00	0.00E+00	0.00E+00	4.14E+00
	HDA040U	1.18E-01	1.35E+01	-8.44E-02	1.36E+01	5.22E-06	0.00E+00	2.26E+03	9.42E-04	2.35E-02	2.58E-01	8.79E-03	2.71E+01	1.29E-06	8.74E-07	5.95E+01	2.59E+00	1.19E-02	3.90E-01	1.07E-01	2.81E+00	3.27E+02	1.13E+01	3.61E-06	8.11E-07	7.16E-02	1.16E-03	4.25E+00	3.34E+00	3.39E+02	5.38E-04	3.39E+02	3.46E+02	7.58E+00	0.00E+00	0.00E+00	0.00E+00	4.59E+00
	HDA040Z	1.40E-01	1.31E+01	-7.31E-02	1.28E+01	7.82E-06	0.00E+00	2.24E+03	9.13E-04	2.21E-02	2.35E-01	9.49E-03	3.92E+01	1.23E-06	9.36E-07	7.06E+01	2.49E+00	1.30E-02	4.17E-01	1.20E-01	2.93E+00	3.21E+02	1.14E+01	3.94E-06	8.80E-07	7.26E-02	1.09E-03	4.89E+00	3.13E+00	3.43E+02	1.16E-03	3.43E+02	3.51E+02	8.67E+00	0.00E+00	0.00E+00	3.34E-05	5.25E+00
	HDA041L	1.49E-01	1.63E+01	-9.75E-02	1.59E+01	2.73E-06	0.00E+00	3.17E+03	1.21E-03	2.74E-02	2.99E-01	1.06E-02	3.76E+01	1.18E-06	1.10E-06	1.06E+02	3.33E+00	1.44E-02	4.88E-01	1.45E-01	2.88E+00	4.00E+02	1.30E+01	3.59E-06	9.29E-07	8.64E-02	1.25E-03	5.59E+00	3.41E+00	4.14E+02	6.16E-04	4.14E+02	4.21E+02	8.43E+00	0.00E+00	0.00E+00	0.00E+00	6.32E+00
	HDA041U	1.64E-01	1.62E+01	-6.38E-02	1.60E+01	7.54E-06	0.00E+00	2.92E+03	1.17E-03	2.71E-02	2.94E-01	1.21E-02	4.67E+01	1.31E-06	1.25E-06	1.15E+02	3.44E+00	1.65E-02	4.89E-01	1.66E-01	3.32E+00	3.71E+02	1.45E+01	4.05E-06	1.07E-06	8.80E-02	1.38E-03	6.31E+00	4.58E+00	3.91E+02	9.93E-04	3.91E+02	4.04E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.22E+00
	HDA041Z	1.63E-01	1.61E+01	-6.25E-02	1.58E+01	8.11E-06	0.00E+00	2.92E+03	1.17E-03	2.69E-02	2.92E-01	1.19E-02	4.67E+01	1.26E-06	1.25E-06	1.15E+02	3.45E+00	1.63E-02	4.84E-01	1.66E-01	3.01E+00	3.69E+02	1.39E+01	4.05E-06	1.08E-06	8.71E-02	1.21E-03	6.34E+00	4.64E+00	3.92E+02	1.26E-03	3.92E+02	4.00E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.17E+00
	HDA048Z	9.63E-02	9.39E+00	-3.62E-02	9.03E+00	6.44E-06	0.00E+00	1.20E+03	4.42E-04	1.01E-02	1.03E-01	8.74E-03	4.03E+01	1.09E-06	8.48E-07	5.99E+01	1.07E+00	1.24E-02	2.42E-01	1.02E-01	1.86E+00	1.74E+02	7.02E+00	3.64E-06	7.29E-07	3.54E-02	5.65E-04	4.26E+00	2.55E+00	1.97E+02	1.07E-03	1.97E+02	2.09E+02	6.44E+00	0.00E+00	0.00E+00	6.56E-05	4.31E+00
	HDA050L	1.18E-01	1.35E+01	-8.64E-02	1.36E+01	2.97E-06	0.00E+00	2.73E+03	9.45E-04	2.41E-02	2.66E-01	9.03E-03	2.76E+01	1.28E-06	8.73E-07	5.95E+01	2.59E+00	1.22E-02	4.00E-01	1.07E-01	2.79E+00	3.29E+02	1.16E+01	3.41E-06	8.19E-07	7.34E-02	1.18E-03	4.23E+00	3.33E+00	3.41E+02	5.41E-04	3.41E+02	3.48E+02	7.54E+00	0.00E+00	0.00E+00	0.00E+00	4.59E+00
	HDA050Z	1.41E-01	1.32E+01	-7.28E-02	1.28E+01	7.83E-06	0.00E+00	2.24E+03	9.22E-04	2.21E-02	2.35E-01	9.49E-03	3.92E+01	1.23E-06	9.36E-07	7.06E+01	2.52E+00	1.30E-02	4.17E-01	1.20E-01	2.94E+00	3.21E+02	1.15E+01	3.95E-06	8.80E-07	7.27E-02	1.10E-03	4.89E+00	3.13E+00	3.43E+02	1.16E-03	3.43E+02	3.52E+02	8.71E+00	0.00E+00	0.00E+00	3.34E-05	5.26E+00
	HDA051L	1.60E-01	1.67E+01	-9.46E-02	1.68E+01	3.07E-06	0.00E+00	3.39E+03	1.26E-03	2.78E-02	3.05E-01	1.18E-02	4.06E+01	1.12E-06	1.12E-06	1.06E+02	3.57E+00	1.60E-02	5.06E-01	1.49E-01	3.22E+00	4.10E+02	1.34E+01	3.64E-06	1.05E-06	8.67E-02	1.49E-03	5.70E+00	4.54E+00	4.23E+02	7.64E-04	4.23E+02	4.33E+02	1.02E+01	0.00E+00	0.00E+00	0.00E+00	6.42E+00
	HDA051Z	1.51E-01	1.60E+01	-9.38E-02	1.60E+01	3.05E-06	0.00E+00	3.30E+03	1.22E-03	2.63E-02	2.91E-01	1.10E-02	3.38E+01	1.27E-06	1.11E-06	9.21E+01	3.45E+00	1.49E-02	4.81E-01	1.39E-01	2.78E+00	3.91E+02	1.22E+01	3.62E-06	9.87E-07	8.17E-02	1.21E-03	5.44E+00	4.44E+00	4.08E+02	6.91E-04	4.08E+02	4.16E+02	9.90E+00	0.00E+00	0.00E+00	0.00E+00	5.98E+00
	HDA061Z	4.42E-02	5.42E+00	-1.05E-01	5.52E+00	1.95E-07	0.00E+00	8.49E+02	3.16E-04	8.56E-03	9.40E-02	3.76E-03	9.35E+00	4.37E-07	2.96E-07	2.09E+01	8.64E-01	5.09E-03	1.76E-01	4.01E-02	1.09E+00	1.41E+02	4.13E+00	3.08E-06	3.02E-07	2.63E-02	4.40E-04	1.70E+00	2.12E+00	1.45E+02	1.84E-04	1.45E+02	1.49E+02	3.82E+00	0.00E+00	0.00E+00	0.00E+00	1.72E+00
	HDA063L	1.14E-01	1.33E+01	-5.65E-02	1.30E+01	2.68E-06	0.00E+00	2.62E+03	9.34E-04	2.40E-02	2.64E-01	8.43E-03	2.55E+01	1.29E-06	7.83E-07	5.56E+01	2.46E+00	1.13E-02	4.01E-01	9.62E-02	2.53E+00	3.29E+02	1.13E+01	3.35E-06	7.35E-07	7.32E-02	1.00E-03	4.12E+00	3.10E+00	3.40E+02	4.87E-04	3.40E+02	3.48E+02	7.49E+00	0.00E+00	0.00E+00	0.00E+00	4.15E+00
	HDA063U	1.19E-01	1.35E+01	-8.44E-02	1.36E+01	5.22E-06	0.00E+00	2.26E+03	9.42E-04	2.35E-02	2.58E-01	8.78E-03	2.70E+01	1.29E-06	8.75E-07	5.95E+01	2.59E+00	1.19E-02	3.90E-01	1.07E-01	2.82E+00	3.27E+02	1.13E+01	3.61E-06	8.11E-07	7.17E-02	1.16E-03	4.25E+00	3.34E+00	3.38E+02	5.36E-04	3.38E+02	3.46E+02	7.58E+00	0.00E+00	0.00E+00	0.00E+00	4.61E+00
	HDA063Z	1.17E-01	1.33E+01	-8.39E-02	1.34E+01	2.97E-06	0.00E+00	2.24E+03	9.41E-04	2.33E-02	2.56E-01	8.66E-03	2.69E+01	1.29E-06	8.69E-07	5.95E+01	2.59E+00	1.17E-02	3.89E-01	1.06E-01	2.76E+00	3.24E+02	1.12E+01	3.30E-06	8.02E-07	7.11E-02	1.15E-03	4.11E+00	3.32E+00	3.35E+02	5.36E-04	3.35E+02	3.42E+02	7.42E+00	0.00E+00	0.00E+00	0.00E+00	4.55E+00
	HDA064L	1.55E-01	1.66E+01	-9.75E-02	1.67E+01	3.06E-06	0.00E+00	3.28E+03	1.25E-03	2.74E-02	3.00E-01	1.13E-02	4.04E+01	1.18E-06	1.10E-06	1.06E+02	3.56E+00	1.53E-02	4.89E-01	1.47E-01	3.15E+00	4.00E+02	1.34E+01	3.63E-06	1.04E-06	8.64E-02	1.45E-03	5.53E+00	3.59E+00	4.14E+02	6.96E-04	4.14E+02	4.20E+02	8.52E+00	0.00E+00	0.00E+00	0.00E+00	6.35E+00
	HDA064U	1.64E-01	1.62E+01	-5.50E-02	1.60E+01	7.75E-06	0.00E+00	2.95E+03	1.18E-03	2.71E-02	2.94E-01	1.21E-02	4.69E+01	1.30E-06	1.25E-06	1.15E+02	3.50E+00	1.65E-02	4.89E-01	1.66E-01	3.33E+00	3.71E+02	1.45E+01	4.09E-06	1.07E-06	8.81E-02	1.39E-03	6.37E+00	4.58E+00	3.92E+02	9.94E-04	3.92E+02	4.05E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.22E+00
	HDA064Z	1.64E-01	1.61E+01	-6.20E-02	1.59E+01	8.12E-06	0.00E+00	2.92E+03	1.18E-03	2.69E-02	2.92E-01	1.19E-02	4.67E+01	1.26E-06	1.25E-06	1.15E+02	3.52E+00	1.63E-02	4.84E-01	1.66E-01	3.01E+00	3.69E+02	1.39E+01	4.07E-06	1.08E-06	8.72E-02	1.21E-03	6.34E+00	4.64E+00	3.92E+02	1.26E-03	3.92E+02	4.01E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.17E+00
	HDA078Z	4.24E-02	5.26E+00	-1.04E-01	5.37E+00	1.95E-07	0.00E+00	8.49E+02	3.16E-04	8.14E-03	8.93E-02	3.74E-03	9.34E+00	4.33E-07	2.93E-07	2.10E+01	8.64E-01	5.06E-03	1.76E-01	3.87E-02	1.02E+00	1.39E+02	4.13E+00	3.08E-06	2.88E-07	2.51E-02	4.36E-04	1.67E+00	2.12E+00	1.43E+02	1.84E-04	1.43E+02	1.47E+02	3.79E+00	0.00E+00	0.00E+00	0.00E+00	1.66E+00
	HDA080L	1.13E-01	1.33E+01	-8.59E-02	1.30E+01	2.69E-06	0.00E+00	2.57E+03	9.34E-04	2.39E-02	2.64E-01	8.42E-03	2.55E+01	1.29E-06	7.83E-07	5.57E+01	2.46E+00	1.13E-02	4.01E-01	9.54E-02	2.54E+00	3.30E+02	1.12E+01	3.35E-06	7.29E-07	7.31E-02	1.00E-03	4.12E+00	3.10E+00	3.41E+02	4.87E-04	3.41E+02	3.49E+02	7.43E+00	0.00E+00	0.00E+00	0.00E+00	4.11E+00
	HDA080U	1.18E-01	1.35E+01	-8.44E-02	1.36E+01	5.22E-06	0.00E+00	2.26E+03	9.42E-04	2.35E-02	2.58E-01	8.77E-03	2.69E+01	1.29E-06	8.74E-07	5.95E+01	2.59E+00	1.19E-02	3.89E-01	1.07E-01	2.79E+00	3.27E+02	1.13E+01	3.61E-06	8.07E-07	7.16E-02	1.16E-03	4.24E+00	3.34E+00	3.38E+02	5.36E-04	3.38E+02	3.46E+02	7.58E+00	0.00E+00	0.00E+00	0.00E+00	4.58E+00
	HDA080Z	1.31E-01	1.29E+01	-7.43E-02	1.27E+01	7.83E-06	0.00E+00	2.24E+03	9.21E-04	2.21E-02	2.34E-01	9.41E-03	3.93E+01	1.00E-06	9.35E-07	7.08E+01	2.53E+00	1.29E-02	4.17E-01	1.19E-01	2.81E+00	3.18E+02	1.13E+01	3.89E-06	8.59E-07	7.20E-02	1.09E-03	4.89E+00	3.13E+00	3.40E+02	1.16E-03	3.40E+02	3.47E+02	8.69E+00	0.00E+00	0.00E+00	3.34E-05	5.21E+00
	HDA081L	1.60E-01	1.67E+01	-1.10E-01	1.68E+01	4.83E-06	0.00E+00	3.41E+03	1.26E-03	2.78E-02	3.05E-01	1.18E-02	4.06E+01	1.12E-06	1.12E-06	1.06E+02	3.59E+00	1.60E-02	5.06E-01	1.49E-01	3.23E+00	4.10E+02	1.46E+01	3.65E-06	1.05E-06	8.67E-02	1.49E-03	5.94E+00	4.55E+00	4.23E+02	8.67E-04	4.23E+02	4.33E+02	1.04E+01	0.00E+00	0.00E+00	9.33E-06	6.43E+00
	HDA081U	1.64E-01	1.59E+01	-5.89E-02	1.57E+01	7.75E-06	0.00E+00	2.95E+03	1.18E-03	2.68E-02	2.91E-01	1.19E-02	4.74E+01	1.30E-06	1.25E-06	1.14E+02	3.50E+00	1.62E-02	4.83E-01	1.65E-01	3.01E+00	3.66E+02	1.39E+01	4.08E-06	1.07E-06	8.70E-02	1.21E-03	6.37E+00	4.58E+00	3.87E+02	9.94E-04	3.87E+02	4.01E+02	1.08E+01	0.00E+00	0.00E+00	2.53E-05	7.17E+00
	HDA081Z	1.55E-01	1.59E+01	-6.38E-02	1.58E+01	8.31E-06	0.00E+00	2.92E+03	1.18E-03	2.69E-02	2.92E-01	1.19E-02	4.67E+01	1.03E-06	1.25E-06	1.15E+02	3.52E+00	1.63E-02	4.84E-01	1.65E-01	2.90E+00	3.68E+02	1.38E+01	4.06E-06	1.07E-06	8.67E-02	1.21E-03	6.34E+00	4.64E+00	3.90E+02	1.26E-03	3.90E+02	3.98E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.12E+00
	HDA098Z	4.24E-02	5.26E+00	-1.04E-01	5.37E+00	1.95E-07	0.00E+00	8.49E+02	3.16E-04	8.14E-03	8.93E-02	3.74E-03	9.35E+00	4.33E-07	2.93E-07	2.10E+01	8.64E-01	5.06E-03	1.76E-01	3.88E-02	1.02E+00	1.39E+02	4.13E+00	3.08E-06	2.88E-07	2.51E-02	4.36E-04	1.67E+00	2.12E+00	1.43E+02	1.84E-04	1.43E+02	1.47E+02	3.79E+00	0.00E+00	0.00E+00	0.00E+00	1.66E+00
	HDA100L	1.12E-01	1.29E+01	-8.51E-02	1.26E+01	2.69E-06	0.00E+00	2.22E+03	9.36E-04	2.27E-02	2.49E-01	8.42E-03	2.72E+01	1.26E-06	7.76E-07	5.81E+01	2.47E+00	1.13E-02	4.00E-01	9.43E-02	2.40E+00	3.26E+02	1.11E+01	3.35E-06	7.21E-07	6.87E-02	9.95E-04	4.12E+00	3.11E+00	3.37E+02	4.86E-04	3.37E+02	3.46E+02	7.44E+00	0.00E+00	0.00E+00	0.00E+00	4.06E+00
	HDA100Z	1.12E-01	1.29E+01	-8.35E-02	1.30E+01	2.97E-06	0.00E+00	2.24E+03	9.41E-04	2.21E-02	2.42E-01	8.61E-03	2.69E+01	1.28E-06	8.60E-07	5.98E+01	2.59E+00	1.17E-02	3.89E-01	1.02E-01	2.56E+00	3.17E+02	1.12E+01	3.30E-06	7.58E-07	6.75E-02	1.14E-03	4.02E+00	3.31E+00	3.28E+02	5.37E-04	3.28E+02	3.35E+02	7.33E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+00
	HDA101L	1.60E-01	1.65E+01	-1.12E-01	1.67E+01	4.83E-06	0.00E+00	3.55E+03	1.26E-03	2.77E-02	3.05E-01	1.17E-02	4.44E+01	1.11E-06	1.12E-06	1.06E+02	3.58E+00	1.59E-02	4.93E-01	1.48E-01	3.22E+00	4.05E+02	1.46E+01	3.66E-06	1.05E-06	8.62E-02	1.49E-03	6.01E+00	4.56E+00	4.16E+02	8.51E-04	4.16E+02	4.26E+02	1.04E+01	0.00E+00	0.00E+00	9.33E-06	6.41E+00
	HDA101U	1.55E-01	1.56E+01	-5.15E-02	1.56E+01	7.75E-06	0.00E+00	3.02E+03	1.18E-03	2.69E-02	2.90E-01	1.19E-02	5.05E+01	1.07E-06	1.25E-06	1.14E+02	3.50E+00	1.62E-02	4.75E-01	1.64E-01	2.94E+00	3.62E+02	1.39E+01	4.09E-06	1.06E-06	8.62E-02	1.25E-03	6.35E+00	4.57E+00	3.80E+02	9.90E-04	3.80E+02	3.96E+02	1.08E+01	0.00E+00	0.00E+00	2.22E-05	7.12E+00
	HDA101Z	1.55E-01	1.57E+01	-3.36E-02	1.57E+01	8.31E-06	0.00E+00	3.02E+03	1.18E-03	2.68E-02	2.90E-01	1.19E-02	5.05E+01	1.03E-06	1.26E-06	1.14E+02	3.51E+00	1.63E-02	4.75E-01	1.65E-01	2.84E+00	3.64E+02	1.38E+01	4.08E-06	1.07E-06	8.61E-02	1.21E-03	6.42E+00	4.67E+00	3.84E+02	1.24E-03	3.84E+02	3.95E+02	1.10E+01	0.00E+00	0.00E+00	3.44E-05	7.11E+00

HDA123Z	1.00E-01	9.85E+00	-3.56E-02	9.65E+00	6.52E-06	0.00E+00	1.37E+03	4.74E-04	9.88E-03	1.01E-01	8.98E-03	4.19E+01	5.84E-07	8.65E-07	6.26E+01	1.44E+00	1.27E-02	2.42E-01	1.05E-01	1.84E+00	1.73E+02	8.07E+00	3.76E-06	7.61E-07	3.45E-02	6.19E-04	4.34E+00	2.55E+00	1.94E+02	1.09E-03	1.94E+02	2.06E+02	6.66E+00	0.00E+00	0.00E+00	6.56E-05	4.38E+00
HDA125L	1.18E-01	1.27E+01	-4.65E-02	1.25E+01	2.66E-06	0.00E+00	2.64E+03	9.45E-04	2.22E-02	2.42E-01	8.42E-03	3.20E+01	5.68E-07	7.48E-07	6.83E+01	2.66E+00	1.13E-02	4.04E-01	1.02E-01	2.31E+00	3.23E+02	1.14E+01	3.35E-06	7.32E-07	6.74E-02	1.00E-03	4.17E+00	3.11E+00	3.34E+02	5.23E-04	3.34E+02	3.43E+02	7.53E+00	0.00E+00	0.00E+00	0.00E+00	4.41E+00
HDA125U	1.22E-01	1.26E+01	-6.58E-02	1.27E+01	5.15E-06	0.00E+00	2.27E+03	9.55E-04	2.10E-02	2.31E-01	8.84E-03	3.63E+01	4.16E-07	8.21E-07	8.03E+01	2.83E+00	1.20E-02	3.95E-01	1.15E-01	2.50E+00	3.15E+02	1.13E+01	3.60E-06	8.09E-07	6.55E-02	1.16E-03	4.24E+00	3.34E+00	3.26E+02	6.03E-04	3.26E+02	3.33E+02	7.58E+00	0.00E+00	0.00E+00	0.00E+00	4.95E+00
HDA125Z	1.21E-01	1.25E+01	-6.53E-02	1.25E+01	2.90E-06	0.00E+00	2.24E+03	9.54E-04	2.09E-02	2.30E-01	8.73E-03	3.63E+01	4.16E-07	8.17E-07	8.03E+01	2.82E+00	1.18E-02	3.95E-01	1.15E-01	2.46E+00	3.11E+02	1.12E+01	3.29E-06	8.04E-07	6.51E-02	1.15E-03	4.10E+00	3.32E+00	3.23E+02	6.03E-04	3.23E+02	3.30E+02	7.42E+00	0.00E+00	0.00E+00	0.00E+00	4.92E+00
HDA126L	1.63E-01	1.67E+01	-9.08E-02	1.68E+01	3.08E-06	0.00E+00	3.55E+03	1.28E-03	2.81E-02	3.09E-01	1.19E-02	4.83E+01	5.59E-07	1.09E-06	1.07E+02	3.75E+00	1.61E-02	5.15E-01	1.52E-01	3.27E+00	4.14E+02	1.53E+01	3.56E-06	1.08E-06	8.75E-02	1.51E-03	5.58E+00	4.48E+00	4.29E+02	8.03E-04	4.29E+02	4.39E+02	1.01E+01	0.00E+00	0.00E+00	0.00E+00	6.54E+00
HDA126U	1.55E-01	1.59E+01	-4.42E-02	1.59E+01	7.75E-06	0.00E+00	3.00E+03	1.18E-03	2.71E-02	2.92E-01	1.22E-02	5.04E+01	7.39E-07	1.25E-06	1.15E+02	3.52E+00	1.65E-02	4.90E-01	1.65E-01	3.31E+00	3.70E+02	1.44E+01	4.08E-06	1.06E-06	8.72E-02	1.43E-03	6.38E+00	4.57E+00	3.91E+02	1.00E-03	3.91E+02	4.05E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.17E+00
HDA126Z	1.56E-01	1.61E+01	-3.61E-02	1.60E+01	8.12E-06	0.00E+00	3.00E+03	1.18E-03	2.71E-02	2.93E-01	1.21E-02	5.04E+01	6.91E-07	1.26E-06	1.15E+02	3.53E+00	1.66E-02	4.91E-01	1.66E-01	3.20E+00	3.73E+02	1.45E+01	4.08E-06	1.07E-06	8.73E-02	1.39E-03	6.43E+00	4.64E+00	3.96E+02	1.26E-03	3.96E+02	4.05E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.16E+00
HDA160L	1.23E-01	1.29E+01	-5.61E-02	1.30E+01	2.91E-06	0.00E+00	2.81E+03	9.74E-04	2.14E-02	2.35E-01	9.05E-03	3.65E+01	4.14E-07	8.26E-07	8.09E+01	2.86E+00	1.23E-02	4.07E-01	1.15E-01	2.40E+00	3.24E+02	1.15E+01	3.30E-06	8.12E-07	6.65E-02	1.13E-03	4.37E+00	3.23E+00	3.36E+02	4.89E-04	3.36E+02	3.43E+02	7.60E+00	0.00E+00	0.00E+00	0.00E+00	4.96E+00
HDA160U	1.22E-01	1.26E+01	-5.56E-02	1.27E+01	5.16E-06	0.00E+00	2.27E+03	9.67E-04	2.10E-02	2.31E-01	8.67E-03	3.65E+01	4.11E-07	8.24E-07	8.09E+01	2.86E+00	1.17E-02	3.97E-01	1.15E-01	2.41E+00	3.15E+02	1.10E+01	3.60E-06	8.04E-07	6.54E-02	1.13E-03	4.39E+00	3.21E+00	3.26E+02	4.89E-04	3.26E+02	3.33E+02	7.59E+00	0.00E+00	0.00E+00	0.00E+00	4.92E+00
HDA160Z	1.18E-01	1.28E+01	-6.30E-02	1.28E+01	2.95E-06	0.00E+00	2.26E+03	9.68E-04	2.15E-02	2.35E-01	8.64E-03	3.52E+01	4.14E-07	8.25E-07	7.81E+01	2.85E+00	1.17E-02	3.97E-01	1.14E-01	2.43E+00	3.15E+02	1.11E+01	3.29E-06	7.77E-07	6.60E-02	1.13E-03	4.20E+00	3.22E+00	3.26E+02	5.11E-04	3.26E+02	3.34E+02	7.46E+00	0.00E+00	0.00E+00	0.00E+00	4.91E+00
HDA161L	1.59E-01	1.59E+01	-1.42E-01	1.60E+01	3.08E-06	0.00E+00	3.55E+03	1.30E-03	2.76E-02	3.03E-01	1.13E-02	4.84E+01	5.15E-07	1.09E-06	1.07E+02	3.77E+00	1.53E-02	4.80E-01	1.47E-01	2.68E+00	3.89E+02	1.19E+01	3.55E-06	1.05E-06	8.55E-02	1.22E-03	5.59E+00	4.26E+00	4.01E+02	6.50E-04	4.01E+02	4.10E+02	9.85E+00	0.00E+00	0.00E+00	0.00E+00	6.33E+00
HDA161U	1.56E-01	1.58E+01	-3.84E-02	1.59E+01	7.75E-06	0.00E+00	3.02E+03	1.18E-03	2.70E-02	2.92E-01	1.21E-02	5.09E+01	6.85E-07	1.25E-06	1.15E+02	3.51E+00	1.65E-02	4.80E-01	1.65E-01	3.32E+00	3.67E+02	1.44E+01	4.08E-06	1.06E-06	8.71E-02	1.43E-03	6.41E+00	4.60E+00	3.86E+02	9.89E-04	3.86E+02	4.01E+02	1.08E+01	0.00E+00	0.00E+00	2.22E-05	7.18E+00
HDA161Z	1.50E-01	1.57E+01	-3.18E-02	1.55E+01	8.09E-06	0.00E+00	2.46E+03	1.15E-03	2.58E-02	2.76E-01	1.04E-02	4.60E+01	6.15E-07	1.22E-06	9.92E+01	3.46E+00	1.44E-02	4.52E-01	1.53E-01	2.66E+00	3.43E+02	1.20E+01	4.03E-06	1.03E-06	8.52E-02	1.11E-03	5.61E+00	3.16E+00	3.71E+02	1.18E-03	3.71E+02	3.75E+02	9.01E+00	0.00E+00	0.00E+00	3.44E-05	6.64E+00
HDS014EC	4.97E-02	6.06E+00	-6.83E-02	6.26E+00	1.38E-06	0.00E+00	1.43E+03	4.37E-04	1.04E-02	9.89E-02	4.16E-03	1.30E+01	5.99E-07	3.57E-07	3.04E+01	1.01E+00	5.48E-03	2.06E-01	4.70E-02	1.14E+00	1.73E+02	4.01E+00	3.24E-06	3.55E-07	2.94E-02	4.47E-04	2.03E+00	2.28E+00	1.78E+02	2.49E-04	1.78E+02	1.95E+02	4.35E+00	0.00E+00	0.00E+00	8.16E-06	2.05E+00
HDS018EC	4.94E-02	6.04E+00	-6.83E-02	6.24E+00	1.37E-06	0.00E+00	1.43E+03	4.35E-04	1.04E-02	9.79E-02	4.16E-03	1.29E+01	5.99E-07	3.55E-07	3.01E+01	1.00E+00	5.48E-03	2.05E-01	4.67E-02	1.14E+00	1.73E+02	4.03E+00	3.23E-06	3.52E-07	2.93E-02	4.48E-04	2.02E+00	2.28E+00	1.77E+02	2.46E-04	1.77E+02	1.95E+02	4.34E+00	0.00E+00	0.00E+00	8.16E-06	2.04E+00
HDS023EC	4.93E-02	6.03E+00	-6.82E-02	6.23E+00	1.37E-06	0.00E+00	1.43E+03	4.34E-04	1.03E-02	9.78E-02	4.15E-03	1.29E+01	5.99E-07	3.55E-07	2.99E+01	1.00E+00	5.47E-03	2.04E-01	4.67E-02	1.14E+00	1.73E+02	4.04E+00	3.23E-06	3.50E-07	2.93E-02	4.48E-04	2.02E+00	2.28E+00	1.77E+02	2.45E-04	1.77E+02	1.95E+02	4.33E+00	0.00E+00	0.00E+00	8.16E-06	2.03E+00
HDS030EC	4.97E-02	6.06E+00	-6.83E-02	6.26E+00	1.38E-06	0.00E+00	1.43E+03	4.37E-04	1.04E-02	9.89E-02	4.16E-03	1.30E+01	5.99E-07	3.57E-07	3.04E+01	1.01E+00	5.48E-03	2.06E-01	4.70E-02	1.14E+00	1.73E+02	4.01E+00	3.24E-06	3.55E-07	2.94E-02	4.47E-04	2.03E+00	2.28E+00	1.78E+02	2.49E-04	1.78E+02	1.95E+02	4.35E+00	0.00E+00	0.00E+00	8.16E-06	2.05E+00
HDS038EC	4.65E-02	5.87E+00	-7.20E-02	6.00E+00	1.36E-06	0.00E+00	1.43E+03	4.10E-04	1.02E-02	9.47E-02	4.10E-03	1.13E+01	6.07E-07	3.38E-07	2.75E+01	9.52E-01	5.41E-03	1.94E-01	4.49E-02	1.14E+00	1.69E+02	4.20E+00	3.19E-06	3.26E-07	2.81E-02	4.52E-04	1.95E+00	2.27E+00	1.73E+02	2.00E-04	1.73E+02	1.92E+02	4.24E+00	0.00E+00	0.00E+00	8.16E-06	1.90E+00
HDS048EC	4.66E-02	5.88E+00	-7.20E-02	6.02E+00	1.36E-06	0.00E+00	1.43E+03	4.10E-04	1.02E-02	9.51E-02	4.10E-03	1.13E+01	6.07E-07	3.38E-07	2.75E+01	9.52E-01	5.41E-03	1.94E-01	4.50E-02	1.15E+00	1.69E+02	4.20E+00	3.19E-06	3.27E-07	2.82E-02	4.53E-04	1.96E+00	2.27E+00	1.74E+02	2.00E-04	1.74E+02	1.92E+02	4.24E+00	0.00E+00	0.00E+00	8.16E-06	1.90E+00
HDS061EC	4.66E-02	5.88E+00	-7.20E-02	6.02E+00	1.36E-06	0.00E+00	1.43E+03	4.10E-04	1.02E-02	9.51E-02	4.10E-03	1.13E+01	6.07E-07	3.38E-07	2.75E+01	9.52E-01	5.41E-03	1.94E-01	4.50E-02	1.15E+00	1.69E+02	4.20E+00	3.19E-06	3.27E-07	2.82E-02	4.53E-04	1.96E+00	2.27E+00	1.74E+02	2.00E-04	1.74E+02	1.92E+02	4.24E+00	0.00E+00	0.00E+00	8.16E-06	1.90E+00
HDS078EC	4.60E-02	5.79E+00	-7.24E-02	5.93E+00	1.38E-06	0.00E+00	1.44E+03	4.10E-04	1.01E-02	9.43E-02	4.09E-03	1.13E+01	6.03E-07	3.37E-07	2.75E+01	9.52E-01	5.40E-03	1.94E-01	4.46E-02	1.12E+00	1.68E+02	4.20E+00	3.20E-06	3.21E-07	2.78E-02	4.51E-04	1.91E+00	2.27E+00	1.73E+02	2.00E-04	1.73E+02	1.91E+02	4.21E+00	0.00E+00	0.00E+00	8.16E-06	1.89E+00
HDS098EC	5.44E-02	6.16E+00	-7.19E-02	6.35E+00	1.43E-06	0.00E+00	1.48E+03	4.37E-04	9.98E-03	9.32E-02	4.35E-03	1.31E+01	6.03E-07	3.57E-07	2.97E+01	1.28E+00	5.73E-03	1.94E-01	4.77E-02	1.21E+00	1.68E+02	4.89E+00	3.20E-06	3.55E-07	2.76E-02	4.86E-04	1.93E+00	2.27E+00	1.73E+02	2.15E-04	1.73E+02	1.91E+02	4.35E+00	0.00E+00	0.00E+00	8.16E-06	2.02E+00
HDS123EC	6.17E-02	6.66E+00	-7.11E-02	6.78E+00	1.45E-06	0.00E+00	1.59E+03	4.50E-04	1.00E-02	9.36E-02	4.57E-03	1.43E+01	6.06E-07	3.78E-07	3.21E+01	1.31E+00	6.01E-03	1.97E-01	5.16E-02	1.26E+00	1.70E+02	5.38E+00	3.32E-06	3.86E-07	2.83E-02	5.08E-04	2.08E+00	2.28E+00	1.74E+02	2.55E-04	1.74E+02	1.93E+02	4.48E+00	0.00E+00	0.00E+00	8.16E-06	2.18E+00
HEJ250DR	4.57E-01	3.84E+01	3.54E-02	3.87E+01	1.06E-04	0.00E+00	7.58E+03	1.99E-03	4.24E-02	4.57E-01	4.95E-02	2.15E+02	9.76E-06	4.01E-06	3.66E+02	6.13E+00	6.67E-02	1.01E+00	5.01E-01	1.54E+01	7.93E+02	2.71E+01	8.67E-06	3.34E-06	1.56E-01	6.50E-03	2.17E+01	1.15E+01	8.26E+02	1.45E-02	8.26E+02	8.51E+02	3.30E+01	0.00E+00	0.00E+00	5.59E-04	2.12E+01
HEJ251DR	5.65E-01	4.76E+01	1.11E-01	4.74E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.30E-02	5.68E-01	6.06E-02	2.75E+02	9.85E-06	4.97E-06	4.54E+02	8.30E+00	8.17E-02	1.29E+00	6.16E-01	1.87E+01	9.70E+02	3.48E+01	1.00E-05	4.06E-06	1.92E-01	7.99E-03	2.66E+01	1.34E+01	1.00E+03	1.77E-02	1.00E+03	1.04E+03	4.02E+01	0.00E+00	0.00E+00	6.73E-04	2.65E+01
HEJ320BR	4.28E-01	3.74E+01	2.24E-02	3.74E+01	1.03E-04	0.00E+00	8.89E+03	1.38E-03	4.23E-02	4.55E-01	4.76E-02	2.15E+02	9.33E-06	3.90E-06	3.59E+02	4.27E+00	6.50E-02	9.47E-01	4.83E-01	1.50E+01	7.68E+02	2.67E+01	8.51E-06	3.24E-06	1.51E-01	6.47E-03	2.13E+01	1.14E+01	7.99E+02	1.40E-02	7.99E+02	8.30E+02	3.22E+01	0.00E+00	0.00E+00	5.17E-04	2.07E+01
HEJ320DR	4.48E-01	3.79E+01	2.51E-02	3.77E+01	1.04E-04	0.00E+00	8.95E+03	1.94E-03	4.25E-02	4.53E-01	4.82E-02	2.13E+02	9.79E-06	3.89E-06	3.56E+02	5.94E+00	6.50E-02	9.76E-01	4.88E-01	1.51E+01	7.67E+02	2.70E+01	8.46E-06	3.28E-06	1.52E-01	6.49E-03	2.13E+01	1.14E+01	7.99E+02	1.39E-02	7.99E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.57E-04	2.09E+01
HEJ321BR	5.49E-01	4.71E+01	9.20E-02	4.70E+01	1.61E-04	0.00E+00	1.35E+04	2.78E-03	5.21E-02	5.55E-01	6.00E-02	2.71E+02	4.51E-05	5.03E-06	4.54E+02	8.52E+00	8.13E-02	1.27E+00	6.07E-01	1.79E+01	9.67E+02	3.80E+01	9.96E-06	3.98E-06	1.87E-01	8.06E-03	2.51E+01	1.38E+01	1.01E+03	1.74E-02	1.01E+03	1.04E+03	3.89E+01	0.00E+00	0.00E+00	7.38E-04	2.61E+01
HEJ321DR	5.63E-01	4.75E+01	1.09E-01	4.73E+01	1.44E-04	0.00E+00	1.22E+04	2.72E-03	5.30E-02	5.68E-01	6.05E-02	2.75E+02	9.85E-06	4.98E-06	4.54E+02	8.31E+00	8.16E-02	1.28E+00	6.15E-01	1.86E+01	9.70E+02	3.49E+01	1.00E-05	4.05E-06	1.92E-01	7.99E-03	2.66E+01	1.35E+01	1.00E+03	1.77E-02	1.00E+03	1.04E+03	4.01E+01	0.00E+00	0.00E+00	6.73E-04	2.65E+01
HEJ400DR	4.49E-01	3.78E+01	2.32E-02	3.77E+01	1.05E-04	0.00E+00	8.92E+03	2.06E-03	4.24E-02	4.53E-01	4.81E-02	2.14E+02	9.79E-06	3.88E-06	3.52E+02	6.35E+00	6.47E-02	9.78E-01	4.87E-01	1.51E+01	7.66E+02	2.68E+01	8.37E-06	3.28E-06	1.52E-01	6.49E-03	2.14E+01	1.14E+01	7.98E+02	1.40E-02	7.98E+02	8.33E+02	3.29E+01	0.00E+00	0.00E+00	5.22E-04	2.08E+01
HEJ401DR	5.68E-01	4.76E+01	1.11E-01	4.75E+01	1.41E-04	0.00E+00	1.19E+04	2.72E-03	5.32E-02	5.70E-01	6.04E-02	2.75E+02	9.85E-06	4.96E-06	4.55E+02	8.30E+00	8.17E-02	1.28E+00	6.17E-01	1.87E+01	9.71E+02	3.40E+01	9.96E-06	4.09E-06	1.92E-01	7.97E-03	2.67E+01	1.34E+01	1.00E+03	1.78E-02	1.00E+03	1.04E+03	4.03E+01	0.00E+00	0.00E+00	6.60E-04	2.65E+01
HEJ500BR	4.37E-01	3.78E+01	3.33E-02	3.77E+01	1.03E-04	0.00E+00	8.87E+03	1.38E-03	4.27E-02	4.58E-01	4.81E-02	2.23E+02	9.33E-06	3.97E-06	3.69E+02	4.28E+00	6.53E-02	9.16E-01	4.86E-01	1.52E+01	7.69E+02	2.68E+01	8.62E-06	3.30E-06	1.52E-01	6.52E-03	2.16E+01	1.15E+01	8.05E+02	1.61E-02	8.05E+02	8.34E+02	3.24E+01	0.00E+00	0.00E+00	4.18E-04	2.08E+01
HES025BC	1.16E-01	1.12E+01	-1.86E-01	1.13E+01	2.83E-05	0.00E+00	3.99E+03	6.33E-04	1.09E-02	1.05E-01	1.08E-02	4.09E+01	4.63E-07	7.48E-07	6.59E+01	1.92E+00	1.45E-02	2.69E-01	1.05E-01	3.15E+00	2.24E+02	1.07E+01	3.50E-06	8.66E-07	3.95E-02	1.29E-03	5.60E+00	4.78E+00	2.30E+02	2.13E-03	2.30E+02	2.53E+02	1.11E+01	0.00E+00	0.00E+00	2.09E-04	4.56E+00
HES025BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.48E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.80E+00	3.54E+02	1.42E+01	4.02E-06	1.02E-06	7.40E-02	1.24E-03	6.76E+00	5.13E+00	3.75E+02	1.65E-03	3.75E+02	3.81E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.66E+00
HES025DC	1.18E-01	1.12E+01	-1.97E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.60E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.25E-04	4.56E+00
HES025DR	1.27E-01	1.52E+01	-1.30E-01	1.51E+01	2.14E-05	0.00E+00	3.86E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.27E+01	6.19E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.68E-01	1.32E-01	2.80E+00	3.54E+02	1.40E+01	4.02E-06	1.02E-06	7.40E-02	1.24E-03	6.76E+00	4.98E+00	3.75E+02	1.61E-03	3.75E+02	3.81E+02	1.18E+01	0.00E+00	0.00E+00	1.38E-04	5.66E+00
HES026BC	1.20E-01	1.12E+01	-1.97E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.26E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.27E+01	3.67E-06	9.85E-07	3.99E-02	1.79E-03	6.69E+00	5.30E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.14E-04	5.98E+00
HES026BR	1.31E-01	1.54E+01	-1.33E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.60E-02	7.66E+01	5.69E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.61E-01	3.64E+00	3.62E+02	1.57E+01	4.10E-06	1.30E-06	7.60E-02	1.75E-03	7.07E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.28E-04	7.01E+00
HES026DC	1.20E-01	1.12E+01	-1.95E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.28E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.27E+01	3.67E-06	9.85E-07	3.99E-02	1.78E-03	6.69E+00	5.30E+00	3.05E+02	2.08E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.23E-04	5.98E+00
HES026DR	1.31E-01	1.54E+01	-1.29E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.60E-02	7.63E+01	5.69E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.61E-01	3.64E+00	3.62E+02	1.57E+01	4.10E-06	1.30E-06	7.60E-02	1.75E-03	7.07E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.38E-04	7.01E+00
HES040BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.14E+01	4.64E-07	7.43E-07	6.57E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.53E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HES040BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.29E+01	6.48E-07	1.06E-06	8.02E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.80E+00	3.54E+02	1.42E+01	4.02E-06	1.01E-06	7.40E-02	1.24E-03	6.76E+00	5.13E+00	3.74E+02	1.65E-03	3.74E+02	3.81E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.66E+00
HES040DC	1.16E-01	1.12E+01	-1.83E-01	1.13E+01	2.83E-05	0.00E+00	3.99E+03	6.33E-04	1.09E-02	1.05E-01	1.08E-02	4.15E+01	4.63E-07	7.56E-07	6.61E+01	1.92E+00	1.45E-02	2.68E-01	1.05E-01	3.15E+00	2.22E+02	1.07E+01	3.50E-06	8.59E-07	3.95E-02	1.29E-03	5.59E+00	4.78E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	1.11E+01	0.00E+00	0.00E+00	2.17E-04	4.56E+00
HES040DR	1.27E-01	1.52E+01	-1.30E-01	1.51E+01	2.14E-05	0.00E+00	3.86E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.19E-07	1.06E-06	8.02E+01	2.74E+00	1.74E-02	4.68E-01	1.32E-01	2.79E+00	3.54E+02	1.40E+01	4.02E-06	1.01E-06	7.40E-02	1.24E-03	6.76E+00	4.98E+00	3.74E+02	1.61E-03	3.74E+02	3.81E+02	1.18E+01	0.00E+00	0.00E+00	1.38E-04	5.66E+00
HES041BC	1.20E-01	1.12E+01	-1.97E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.26E-01	1.27E-02	5.32E+01	4.16E-07	9.75E-07	9.51E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.67E-06	9.80E-07	3.99E-02	1.79E-03	6.69E+00	5.30E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.14E-04	5.98E+00
HES041BR	1.31E-01	1.54E+01	-1.32E-01	1.55E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.51E-02	6.55E+01	6.08E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.80E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.59E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HES041DC	1.20E-01	1.12E+01	-1.95E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.28E-01	1.27E-02	5.32E+01	4.16E-07	9.75E-07	9.51E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.68E-06	9.80E-07	3.99E-02	1.78E-03	6.69E+00	5.30E+00	3.05E+02	2.08E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.23E-04	5.98E+00
HES041DR	1.31E-01	1.54E+01	-1.29E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.60E-02	7.63E+01	5.69E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.61E-01	3.64E+00	3.62E+02	1.57E+01	4.11E-06	1.30E-06	7.59E-02	1.75E-03	7.07E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.38E-04	7.01E+00
HES050BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.55E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HES050BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.50E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.02E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HES051BC	1.20E-01	1.12E+01	-1.98E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.27E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.82E-07	3.99E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.98E+00
HES051BR	1.31E-01	1.54E+01	-1.32E-01	1.56E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.54E+01	6.08E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.60E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HES063BC	1.16E-01	1.12E+01	-1.86E-01	1.12E+01	2.83E-05	0.00E+00	3.91E+03	6.22E-04	1.10E-02	1.05E-01	1.05E-02	4.07E+01	4.67E-07	7.65E-07	6.62E+01	1.89E+00	1.40E-02	2.63E-01	1.04E-01	3.14E+00	2.18E+02	1.06E+01	3.47E-06	8.81E-07	3.93E-02	1.28E-03	5.45E+00	3.35E+00	2.26E+02	2.13E-03	2.26E+02	2.48E+02	8.40E+00	0.00E+00	0.00E+00	2.09E-04	4.51E+00
HES063BR	1.28E-01	1.51E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.01E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.56E-07	1.06E-06	8.01E+01	2.69E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.54E+02	1.42E+01	3.99E-06	1.02E-06	7.40E-02	1.23E-03	6.79E+00	5.16E+00	3.74E+02	1.65E-03	3.74E+02	3.81E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.66E+00
HES063DC	1.18E-01	1.12E+01	-1.81E-01	1.13E+01	2.87E-05	0.00E+00	4.11E+03	6.50E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.70E-07	7.44E-07	6.55E+01	1.92E+00	1.47E-02	3.13E-01	1.05E-01	3.25E+00	2.85E+02	1.26E+01	3.48E-06	8.75E-07	4.00E-02	1.32E-03	6.29E+00	5.19E+00	3.01E+02	2.20E-03	3.01E+02	3.11E+02	1.19E+01	0.00E+00	0.00E+00	2.21E-04	4.55E+00
HES063DR	1.28E-01	1.51E+01	-1.33E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.01E-03	2.06E-02	2.20E-01	1.22E-02	5.26E+01	6.26E-07	1.06E-06	8.01E+01	2.69E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.54E+02	1.42E+01	3.99E-06	1.02E-06	7.40E-02	1.23E-03	6.79E+00	5.16E+00	3.74E+02	1.65E-03	3.74E+02	3.81E+02	1.19E+01	0.00E+00	0.00E+00	1.38E-04	5.66E+00
HES064BC	1.20E-01	1.12E+01	-1.98E-01	1.13E+01	6.52E-05	0.00E+00	4.15E+03	6.56E-04	1.26E-02	1.27E-01	1.27E-02	5.28E+01	4.22E-07	9.76E-07	9.50E+01	1.94E+00	1.68E-02	3.13E-01	1.40E-01	3.62E+00	2.88E+02	1.30E+01	3.64E-06	9.91E-07	3.98E-02	1.79E-03	6.69E+00	5.36E+00	3.04E+02	2.17E-03	3.04E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.97E+00
HES064BR	1.31E-01	1.54E+01	-1.33E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.01E-03	2.07E-02	2.28E-01	1.60E-02	7.66E+01	5.75E-07	1.17E-06	1.05E+02	2.70E+00	2.28E-02	4.79E-01	1.61E-01	3.63E+00	3.62E+02	1.56E+01	4.07E-06	1.30E-06	7.59E-02	1.74E-03	7.06E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.89E+02	1.27E+01	0.00E+00	0.00E+00	1.28E-04	7.00E+00
HES064DC	1.19E-01	1.12E+01	-2.03E-01	1.14E+01	6.50E-05	0.00E+00	4.25E+03	6.58E-04	1.25E-02	1.28E-01	1.27E-02	5.26E+01	4.24E-07	9.77E-07	9.50E+01	1.94E+00	1.69E-02	3.13E-01	1.40E-01	3.63E+00	2.88E+02	1.31E+01	3.65E-06	9.91E-07	3.88E-02	1.79E-03	6.70E+00	5.51E+00	3.04E+02	2.10E-03	3.04E+02	3.15E+02	1.27E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HES064DR	1.31E-01	1.54E+01	-1.29E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.02E-03	2.07E-02	2.28E-01	1.60E-02	7.63E+01	5.75E-07	1.17E-06	1.05E+02	2.70E+00	2.28E-02	4.80E-01	1.61E-01	3.63E+00	3.62E+02	1.56E+01	4.07E-06	1.30E-06	7.59E-02	1.74E-03	7.05E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.89E+02	1.27E+01	0.00E+00	0.00E+00	1.38E-04	7.00E+00
HES080BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.70E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.50E-06	8.60E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HES080BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.56E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.01E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HES080DC	1.18E-01	1.12E+01	-1.97E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.22E+01	4.70E-07	7.44E-07	7.67E+01	1.95E+00	1.47E-02	3.17E-01	1.19E-01	3.26E+00	2.87E+02	1.26E+01	3.50E-06	8.73E-07	4.01E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.25E-04	5.12E+00
HES080DR	1.28E-01	1.52E+01	-1.33E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.25E+01	6.56E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.01E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.38E-04	5.67E+00
HES081BC	1.20E-01	1.12E+01	-1.98E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.26E-02	1.27E-01	1.27E-02	5.28E+01	4.22E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.66E-06	9.85E-07	3.99E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.98E+00
HES081BR	1.31E-01	1.54E+01	-1.32E-01	1.56E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.54E+01	6.14E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.09E-06	1.12E-06	7.60E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HES081DC	1.17E-01	1.12E+01	-1.82E-01	1.13E+01	6.42E-05	0.00E+00	4.02E+03	6.37E-04	1.10E-02	1.05E-01	1.24E-02	5.30E+01	4.17E-07	9.69E-07	9.46E+01	1.93E+00	1.63E-02	2.68E-01	1.40E-01	3.52E+00	2.24E+02	1.10E+01	3.67E-06	1.00E-06	3.95E-02	1.75E-03	5.77E+00	4.97E+00	2.30E+02	1.89E-03	2.30E+02	2.54E+02	1.15E+01	0.00E+00	0.00E+00	2.14E-04	5.95E+00
HES081DR	1.31E-01	1.54E+01	-1.29E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.60E-02	7.63E+01	5.75E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.61E-01	3.64E+00	3.62E+02	1.57E+01	4.09E-06	1.30E-06	7.60E-02	1.75E-03	7.05E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.38E-04	7.01E+00
HES100BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.60E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HES100BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.50E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.02E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HES100DC	1.18E-01	1.12E+01	-1.97E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.22E+01	4.64E-07	7.44E-07	7.67E+01	1.96E+00	1.47E-02	3.17E-01	1.19E-01	3.26E+00	2.87E+02	1.26E+01	3.54E-06	8.73E-07	4.01E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.25E-04	5.12E+00
HES100DR	1.28E-01	1.52E+01	-1.33E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.25E+01	6.22E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.02E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.38E-04	5.67E+00
HES101BC	1.17E-01	1.11E+01	-1.85E-01	1.12E+01	6.42E-05	0.00E+00	3.94E+03	6.38E-04	1.09E-02	1.04E-01	1.21E-02	5.28E+01	4.09E-07	9.70E-07	9.46E+01	1.93E+00	1.59E-02	2.66E-01	1.39E-01	3.51E+00	2.23E+02	1.10E+01	3.67E-06	1.00E-06	3.95E-02	1.76E-03	5.79E+00	4.83E+00	2.30E+02	1.98E-03	2.30E+02	2.54E+02	1.08E+01	0.00E+00	0.00E+00	2.06E-04	5.93E+00
HES101BR	1.31E-01	1.54E+01	-1.32E-01	1.56E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.54E+01	6.08E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.60E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HES101DC	1.20E-01	1.12E+01	-2.04E-01	1.14E+01	6.50E-05	0.00E+00	4.63E+03	6.70E-04	1.27E-02	1.29E-01	1.27E-02	5.26E+01	4.18E-07	9.77E-07	9.50E+01	1.98E+00	1.69E-02	3.17E-01	1.40E-01	3.66E+00	2.89E+02	1.40E+01	3.68E-06	9.85E-07	3.90E-02	1.81E-03	6.70E+00	5.72E+00	3.05E+02	2.05E-03	3.05E+02	3.17E+02	1.28E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HES101DR	1.31E-01	1.54E+01	-1.29E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.60E-02	7.63E+01	5.71E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.61E-01	3.64E+00	3.62E+02	1.57E+01	4.10E-06	1.30E-06	7.60E-02	1.75E-03	7.05E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.38E-04	7.01E+00
HES102DC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.28E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.68E-06	9.85E-07	3.99E-02	1.80E-03	6.70E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HES125BC	1.18E-01	1.12E+01	-1.97E-01	1.14E+01	3.04E-05	0.00E+00	4.18E+03	6.63E-04	1.27E-02	1.27E-01	1.10E-02	4.20E+01	4.64E-07	7.44E-07	6.57E+01	1.96E+00	1.47E-02	3.17E-01	1.05E-01	3.25E+00	2.86E+02	1.27E+01	3.51E-06	8.52E-07	4.12E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.36E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HES125BR	1.28E-01	1.52E+01	-1.14E-01	1.51E+01	2.13E-05	0.00E+00	4.03E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.30E+01	6.46E-07	1.06E-06	8.02E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.03E-06	1.01E-06	7.34E-02	1.24E-03	6.82E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HES125DC	1.18E-01	1.12E+01	-1.94E-01	1.14E+01	3.04E-05	0.00E+00	4.18E+03	6.63E-04	1.27E-02	1.27E-01	1.10E-02	4.36E+01	4.64E-07	7.44E-07	7.68E+01	1.96E+00	1.47E-02	3.17E-01	1.19E-01	3.26E+00	2.86E+02	1.27E+01	3.54E-06	8.65E-07	4.12E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.36E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.25E-04	5.13E+00
HES125DR	1.28E-01	1.52E+01	-1.10E-01	1.51E+01	2.13E-05	0.00E+00	4.03E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.27E+01	6.17E-07	1.06E-06	8.02E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.03E-06	1.01E-06	7.34E-02	1.24E-03	6.82E+00	5.16E+00	3.74E+02	1.65E-03	3.74E+02	3.81E+02	1.19E+01	0.00E+00	0.00E+00	1.38E-04	5.67E+00
HES126BC	1.20E-01	1.12E+01	-1.94E-01	1.14E+01	6.52E-05	0.00E+00	4.20E+03	6.68E-04	1.28E-02	1.28E-01	1.27E-02	5.39E+01	4.16E-07	9.77E-07	9.51E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.81E-07	4.11E-02	1.80E-03	6.71E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.16E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.99E+00
HES126BR	1.31E-01	1.54E+01	-1.10E-01	1.56E+01	6.09E-05	0.00E+00	4.52E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.57E+01	6.04E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.54E-02	1.73E-03	7.07E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HES126DC	1.20E-01	1.12E+01	-1.91E-01	1.14E+01	6.52E-05	0.00E+00	4.20E+03	6.68E-04	1.28E-02	1.30E-01	1.27E-02	5.39E+01	4.12E-07	9.77E-07	9.51E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.68E-06	9.81E-07	4.11E-02	1.80E-03	6.72E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.16E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.99E+00
HES126DR	1.31E-01	1.54E+01	-1.07E-01	1.55E+01	5.76E-05	0.00E+00	4.52E+03	1.03E-03	2.08E-02	2.28E-01	1.60E-02	7.66E+01	5.66E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.62E-01	3.64E+00	3.62E+02	1.57E+01	4.11E-06	1.30E-06	7.54E-02	1.74E-03	7.07E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.38E-04	7.02E+00

HES127DC	1.20E-01	1.12E+01	-1.91E-01	1.14E+01	6.52E-05	0.00E+00	4.20E+03	6.68E-04	1.28E-02	1.30E-01	1.27E-02	5.39E+01	4.16E-07	9.77E-07	9.51E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.68E-06	9.81E-07	4.11E-02	1.80E-03	6.72E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.16E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.99E+00
HES160BC	1.17E-01	1.12E+01	-1.94E-01	1.14E+01	3.04E-05	0.00E+00	4.32E+03	6.65E-04	1.28E-02	1.28E-01	1.10E-02	4.40E+01	4.64E-07	7.40E-07	6.63E+01	1.97E+00	1.46E-02	3.17E-01	1.05E-01	3.20E+00	2.85E+02	1.27E+01	3.51E-06	8.28E-07	4.12E-02	1.33E-03	6.54E+00	5.22E+00	3.00E+02	2.36E-03	3.00E+02	3.10E+02	1.21E+01	0.00E+00	0.00E+00	2.17E-04	4.57E+00
HES160BR	1.27E-01	1.50E+01	-1.02E-01	1.50E+01	2.13E-05	0.00E+00	4.13E+03	1.02E-03	2.04E-02	2.18E-01	1.22E-02	5.47E+01	6.22E-07	1.06E-06	8.08E+01	2.75E+00	1.74E-02	4.58E-01	1.32E-01	2.75E+00	3.50E+02	1.42E+01	4.03E-06	1.01E-06	6.92E-02	1.24E-03	6.86E+00	5.18E+00	3.69E+02	1.65E-03	3.69E+02	3.76E+02	1.19E+01	0.00E+00	0.00E+00	1.30E-04	5.66E+00
HES160DC	1.17E-01	1.12E+01	-1.94E-01	1.14E+01	3.04E-05	0.00E+00	4.32E+03	6.65E-04	1.28E-02	1.28E-01	1.10E-02	4.40E+01	4.64E-07	7.40E-07	6.63E+01	1.97E+00	1.46E-02	3.17E-01	1.05E-01	3.20E+00	2.85E+02	1.27E+01	3.51E-06	8.28E-07	4.12E-02	1.33E-03	6.54E+00	5.22E+00	3.00E+02	2.36E-03	3.00E+02	3.10E+02	1.21E+01	0.00E+00	0.00E+00	2.17E-04	4.57E+00
HES160DR	1.25E-01	1.50E+01	-8.80E-02	1.50E+01	1.94E-05	0.00E+00	3.93E+03	1.02E-03	1.99E-02	2.09E-01	1.19E-02	5.50E+01	5.90E-07	1.05E-06	8.04E+01	2.71E+00	1.68E-02	4.59E-01	1.31E-01	2.65E+00	3.44E+02	1.22E+01	4.03E-06	1.02E-06	6.93E-02	1.21E-03	6.07E+00	4.62E+00	3.62E+02	1.44E-03	3.62E+02	3.71E+02	1.09E+01	0.00E+00	0.00E+00	1.24E-04	5.65E+00
HES161BC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.52E-05	0.00E+00	4.35E+03	6.70E-04	1.30E-02	1.30E-01	1.27E-02	5.62E+01	4.16E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.68E-06	9.63E-07	4.11E-02	1.80E-03	6.74E+00	5.37E+00	3.03E+02	2.18E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HES161BR	1.31E-01	1.53E+01	-9.97E-02	1.55E+01	6.09E-05	0.00E+00	4.58E+03	1.03E-03	2.06E-02	2.26E-01	1.52E-02	6.83E+01	5.81E-07	1.17E-06	1.06E+02	2.77E+00	2.17E-02	4.71E-01	1.60E-01	3.62E+00	3.57E+02	1.56E+01	4.11E-06	1.12E-06	7.11E-02	1.73E-03	7.11E+00	5.49E+00	3.72E+02	2.14E-03	3.72E+02	3.85E+02	1.27E+01	0.00E+00	0.00E+00	1.30E-04	6.88E+00
HES161DC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.53E-05	0.00E+00	4.35E+03	6.70E-04	1.31E-02	1.32E-01	1.27E-02	5.63E+01	4.12E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.69E-06	9.63E-07	4.14E-02	1.80E-03	6.75E+00	5.37E+00	3.03E+02	2.08E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HES161DR	1.31E-01	1.53E+01	-1.00E-01	1.55E+01	5.76E-05	0.00E+00	4.57E+03	1.03E-03	2.06E-02	2.25E-01	1.60E-02	7.83E+01	5.43E-07	1.17E-06	1.06E+02	2.77E+00	2.28E-02	4.71E-01	1.62E-01	3.64E+00	3.57E+02	1.57E+01	4.11E-06	1.30E-06	7.11E-02	1.75E-03	7.11E+00	5.49E+00	3.71E+02	2.13E-03	3.71E+02	3.84E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	7.01E+00
HES162DC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.52E-05	0.00E+00	4.35E+03	6.70E-04	1.31E-02	1.32E-01	1.27E-02	5.62E+01	4.16E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.69E-06	9.63E-07	4.11E-02	1.80E-03	6.75E+00	5.37E+00	3.03E+02	2.08E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HET050DR	1.78E-01	1.75E+01	-8.23E-02	2.05E+01	6.59E-05	0.00E+00	5.85E+03	1.10E-03	2.41E-02	2.61E-01	2.05E-02	9.10E+01	1.76E-06	1.81E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.31E-01	5.01E+00	4.21E+02	1.74E+01	4.95E-06	1.37E-06	8.70E-02	1.85E-03	8.71E+00	6.69E+00	4.58E+02	3.42E-03	4.58E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HET051DR	1.85E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.20E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.77E-06	1.91E-06	1.91E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	4.97E-06	1.40E-06	9.10E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.72E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HET063DR	1.78E-01	1.75E+01	-8.23E-02	2.05E+01	6.59E-05	0.00E+00	5.85E+03	1.10E-03	2.41E-02	2.61E-01	2.05E-02	9.10E+01	1.76E-06	1.81E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.31E-01	5.01E+00	4.21E+02	1.74E+01	4.95E-06	1.37E-06	8.70E-02	1.85E-03	8.71E+00	6.69E+00	4.58E+02	3.42E-03	4.58E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HET064DR	1.85E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.20E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.77E-06	1.91E-06	1.92E+02	3.68E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	4.98E-06	1.41E-06	9.11E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HET100BR	1.78E-01	1.76E+01	-8.23E-02	2.05E+01	6.59E-05	0.00E+00	5.85E+03	1.11E-03	2.41E-02	2.61E-01	2.05E-02	9.10E+01	1.76E-06	1.81E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.31E-01	5.01E+00	4.21E+02	1.74E+01	4.96E-06	1.37E-06	8.70E-02	1.85E-03	8.71E+00	6.69E+00	4.59E+02	3.42E-03	4.59E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HET100DR	1.54E-01	1.70E+01	-8.06E-02	1.75E+01	6.36E-05	0.00E+00	5.11E+03	1.09E-03	2.23E-02	2.37E-01	1.63E-02	8.78E+01	1.06E-06	1.51E-06	1.46E+02	3.27E+00	2.25E-02	5.33E-01	2.09E-01	4.12E+00	3.89E+02	1.36E+01	4.37E-06	1.34E-06	7.99E-02	1.79E-03	7.26E+00	5.65E+00	4.15E+02	2.67E-03	4.15E+02	4.16E+02	1.27E+01	0.00E+00	0.00E+00	6.79E-05	8.67E+00
HET101BR	1.86E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.20E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.77E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	4.99E-06	1.40E-06	9.11E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HET101DR	1.86E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.20E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.77E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	4.99E-06	1.40E-06	9.11E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HET102DR	1.98E-01	1.68E+01	-2.42E-01	1.93E+01	6.70E-05	0.00E+00	7.19E+03	1.17E-03	2.04E-02	2.16E-01	2.25E-02	7.45E+01	1.13E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.04E-01	2.36E-01	4.87E+00	4.06E+02	1.87E+01	4.55E-06	1.27E-06	7.74E-02	2.06E-03	8.65E+00	7.23E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.62E+01	0.00E+00	0.00E+00	1.12E-04	9.96E+00
HET125BR	1.78E-01	1.76E+01	-8.23E-02	2.05E+01	6.59E-05	0.00E+00	5.85E+03	1.11E-03	2.41E-02	2.61E-01	2.05E-02	9.10E+01	1.75E-06	1.81E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.31E-01	5.01E+00	4.21E+02	1.74E+01	4.98E-06	1.37E-06	8.70E-02	1.85E-03	8.71E+00	6.69E+00	4.58E+02	3.42E-03	4.58E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HET125DR	1.78E-01	1.75E+01	-8.06E-02	2.05E+01	6.59E-05	0.00E+00	5.85E+03	1.10E-03	2.41E-02	2.61E-01	2.05E-02	9.10E+01	1.75E-06	1.81E-06	1.76E+02	3.34E+00	3.19E-02	5.62E-01	2.31E-01	5.00E+00	4.21E+02	1.73E+01	4.98E-06	1.37E-06	8.70E-02	1.84E-03	8.71E+00	6.61E+00	4.58E+02	3.44E-03	4.58E+02	4.47E+02	1.48E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HET126BR	1.85E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.21E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.76E-06	1.91E-06	1.91E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	5.00E-06	1.40E-06	9.09E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.72E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HET126DR	1.85E-01	1.77E+01	-8.22E-02	2.10E+01	7.05E-05	0.00E+00	6.34E+03	1.21E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.76E-06	1.91E-06	1.91E+02	3.70E+00	3.42E-02	5.66E-01	2.53E-01	5.21E+00	4.24E+02	1.85E+01	5.00E-06	1.40E-06	9.09E-02	1.86E-03	9.02E+00	6.94E+00	4.67E+02	3.74E-03	4.67E+02	4.53E+02	1.58E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HET127DR	1.98E-01	1.68E+01	-2.39E-01	1.93E+01	6.72E-05	0.00E+00	7.22E+03	1.17E-03	2.04E-02	2.15E-01	2.25E-02	7.48E+01	1.12E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.04E-01	2.36E-01	4.86E+00	4.06E+02	1.86E+01	4.56E-06	1.27E-06	7.74E-02	2.05E-03	8.65E+00	7.14E+00	4.32E+02	2.42E-03	4.32E+02	4.38E+02	1.61E+01	0.00E+00	0.00E+00	1.12E-04	9.96E+00
HET160BR	1.78E-01	1.76E+01	-4.89E-02	2.05E+01	6.59E-05	0.00E+00	5.86E+03	1.11E-03	2.41E-02	2.61E-01	2.05E-02	9.11E+01	1.75E-06	1.82E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.32E-01	5.01E+00	4.21E+02	1.74E+01	4.98E-06	1.37E-06	8.70E-02	1.85E-03	8.73E+00	6.69E+00	4.59E+02	3.42E-03	4.59E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HET160DR	1.54E-01	1.70E+01	-4.72E-02	1.75E+01	6.36E-05	0.00E+00	5.11E+03	1.09E-03	2.24E-02	2.37E-01	1.63E-02	8.81E+01	1.05E-06	1.52E-06	1.46E+02	3.28E+00	2.25E-02	5.33E-01	2.09E-01	4.12E+00	3.89E+02	1.36E+01	4.39E-06	1.34E-06	7.99E-02	1.79E-03	7.30E+00	5.65E+00	4.14E+02	2.67E-03	4.14E+02	4.16E+02	1.27E+01	0.00E+00	0.00E+00	6.79E-05	8.67E+00
HET161BR	1.86E-01	1.77E+01	-4.96E-02	2.10E+01	7.01E-05	0.00E+00	6.34E+03	1.21E-03	2.57E-02	2.71E-01	2.18E-02	9.31E+01	1.76E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	5.00E-06	1.40E-06	9.11E-02	1.87E-03	9.04E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HET161DR	1.86E-01	1.77E+01	-4.96E-02	2.10E+01	7.01E-05	0.00E+00	6.34E+03	1.21E-03	2.57E-02	2.71E-01	2.18E-02	9.31E+01	1.76E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	5.00E-06	1.40E-06	9.11E-02	1.87E-03	9.04E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HET162DR	1.98E-01	1.68E+01	-2.40E-01	1.93E+01	6.70E-05	0.00E+00	7.20E+03	1.17E-03	2.04E-02	2.16E-01	2.25E-02	7.48E+01	1.12E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.04E-01	2.36E-01	4.87E+00	4.06E+02	1.87E+01	4.56E-06	1.27E-06	7.75E-02	2.06E-03	8.65E+00	7.23E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.62E+01	0.00E+00	0.00E+00	1.12E-04	9.96E+00
HET200BR	1.78E-01	1.74E+01	-4.01E-02	2.05E+01	6.61E-05	0.00E+00	5.57E+03	1.11E-03	2.40E-02	2.59E-01	2.05E-02	9.28E+01	1.65E-06	1.81E-06	1.76E+02	3.34E+00	3.19E-02	5.53E-01	2.31E-01	5.00E+00	4.18E+02	1.72E+01	4.98E-06	1.37E-06	8.30E-02	1.83E-03	8.67E+00	6.59E+00	4.54E+02	3.43E-03	4.54E+02	4.43E+02	1.46E+01	0.00E+00	0.00E+00	9.83E-05	9.70E+00
HET200DR	1.59E-01	1.68E+01	-3.64E-02	1.75E+01	6.45E-05	0.00E+00	5.26E+03	1.09E-03	2.28E-02	2.43E-01	1.67E-02	8.96E+01	9.51E-07	1.53E-06	1.47E+02	3.31E+00	2.32E-02	5.21E-01	2.11E-01	4.21E+00	3.90E+02	1.54E+01	4.39E-06	1.32E-06	7.53E-02	1.83E-03	7.73E+00	5.72E+00	4.14E+02	2.70E-03	4.14E+02	4.15E+02	1.31E+01	0.00E+00	0.00E+00	8.02E-05	8.73E+00
HET201BR	1.85E-01	1.75E+01	-4.15E-02	2.09E+01	7.05E-05	0.00E+00	6.05E+03	1.21E-03	2.58E-02	2.69E-01	2.18E-02	9.48E+01	1.66E-06	1.91E-06	1.91E+02	3.69E+00	3.42E-02	5.58E-01	2.53E-01	5.21E+00	4.21E+02	1.83E+01	5.00E-06	1.40E-06	8.82E-02	1.86E-03	9.00E+00	6.91E+00	4.62E+02	3.73E-03	4.62E+02	4.50E+02	1.55E+01	0.00E+00	0.00E+00	1.01E-04	1.04E+01
HET201DR	1.85E-01	1.75E+01	-4.08E-02	2.09E+01	7.06E-05	0.00E+00	6.38E+03	1.21E-03	2.58E-02	2.69E-01	2.18E-02	9.48E+01	1.66E-06	1.91E-06	1.91E+02	3.69E+00	3.42E-02	5.58E-01	2.53E-01	5.21E+00	4.21E+02	1.85E+01	5.00E-06	1.40E-06	8.82E-02	1.87E-03	9.00E+00	6.91E+00	4.62E+02	3.73E-03	4.62E+02	4.50E+02	1.55E+01	0.00E+00	0.00E+00	1.11E-04	1.04E+01
HET202DR	1.98E-01	1.66E+01	-2.21E-01	1.92E+01	6.74E-05	0.00E+00	7.24E+03	1.17E-03	2.00E-02	2.12E-01	2.25E-02	7.63E+01	1.03E-06	1.81E-06	1.80E+02	3.56E+00	3.28E-02	4.92E-01	2.37E-01	4.86E+00	4.00E+02	1.86E+01	4.57E-06	1.26E-06	7.00E-02	2.05E-03	8.61E+00	7.06E+00	4.24E+02	2.40E-03	4.24E+02	4.29E+02	1.58E+01	0.00E+00	0.00E+00	1.18E-04	9.97E+00
HET250BR	1.80E-01	1.75E+01	-3.91E-02	2.04E+01	6.58E-05	0.00E+00	6.44E+03	1.11E-03	2.41E-02	2.59E-01	2.06E-02	9.29E+01	1.72E-06	1.82E-06	1.76E+02	3.35E+00	3.19E-02	5.51E-01	2.32E-01	5.00E+00	4.16E+02	1.79E+01	4.98E-06	1.36E-06	8.30E-02	1.87E-03	8.78E+00	6.77E+00	4.52E+02	3.42E-03	4.52E+02	4.42E+02	1.49E+01	0.00E+00	0.00E+00	9.80E-05	9.71E+00
HET250DR	1.62E-01	1.69E+01	-3.68E-02	1.75E+01	6.41E-05	0.00E+00	5.80E+03	1.09E-03	2.28E-02	2.43E-01	1.68E-02	8.98E+01	1.01E-06	1.53E-06	1.47E+02	3.33E+00	2.33E-02	5.20E-01	2.11E-01	4.22E+00	3.88E+02	1.61E+01	4.39E-06	1.31E-06	7.52E-02	1.86E-03	7.81E+00	5.91E+00	4.12E+02	2.72E-03	4.12E+02	4.14E+02	1.35E+01	0.00E+00	0.00E+00	6.89E-05	8.74E+00
HET251BR	1.87E-01	1.76E+01	-4.06E-02	2.09E+01	7.01E-05	0.00E+00	6.94E+03	1.21E-03	2.58E-02	2.69E-01	2.19E-02	9.49E+01	1.72E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.56E-01	2.53E-01	5.22E+00	4.19E+02	1.91E+01	5.00E-06	1.40E-06	8.81E-02	1.89E-03	9.08E+00	7.10E+00	4.61E+02	3.72E-03	4.61E+02	4.49E+02	1.59E+01	0.00E+00	0.00E+00	1.01E-04	1.04E+01
HET251DR	2.00E-01	1.67E+01	-2.42E-01	1.92E+01	6.23E-05	0.00E+00	7.60E+03	1.18E-03	1.99E-02	2.12E-01	2.35E-02	8.45E+01	1.08E-06	1.82E-06	1.81E+02	3.55E+00	3.41E-02	4.88E-01	2.38E-01	4.90E+00	3.97E+02	1.92E+01	4.58E-06	1.42E-06	6.99E-02	2.11E-03	8.74E+00	7.38E+00	4.21E+02	2.35E-03	4.21E+02	4.27E+02	1.63E+01	0.00E+00	0.00E+00	6.83E-05	1.01E+01
HET252DR	2.00E-01	1.67E+01	-2.42E-01	1.92E+01	6.67E-05	0.00E+00	7.66E+03	1.17E-03	2.00E-02	2.12E-01	2.26E-02	7.61E+01	1.12E-06	1.81E-06	1.81E+02	3.55E+00	3.28E-02	4.89E-01	2.36E-01	4.88E+00	3.97E+02	1.92E+01	4.57E-06	1.26E-06	7.00E-02	2.08E-03	8.71E+00	7.38E+00	4.22E+02	2.41E-03	4.22E+02	4.28E+02	1.63E+01	0.00E+00	0.00E+00	1.12E-04	9.96E+00
HEW250DR	4.50E-01	3.80E+01	4.52E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.26E-02	4.54E-01	4.83E-02	2.16E+02	9.79E-06	3.94E-06	3.61E+02	4.26E+00	6.53E-02	9.60E-01	4.89E-01	1.51E+01	7.69E+02	2.69E+01	8.50E-06	3.30E-06	1.53E-01	6.51E-03	2.14E+01	1.15E+01	8.01E+02	1.40E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.16E-04	2.09E+01
HEW251DR	5.65E-01	4.75E+01	8.58E-02	4.74E+01	1.45E-04	0.00E+00	1.22E+04	2.72E-03	5.30E-02	5.68E-01	6.06E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.31E+00	8.17E-02	1.28E+00	6.15E-01	1.86E+01	9.72E+02	3.48E+01	1.00E-05	4.06E-06	1.92E-01	8.01E-03	2.64E+01	1.35E+01	1.01E+03	1.81E-02	1.01E+03	1.04E+03	4.00E+01	0.00E+00	0.00E+00	6.49E-04	2.65E+01
HEW320BR	4.28E-01	3.74E+01	8.76E-03	3.74E+01	1.02E-04	0.00E+00	8.82E+03	1.38E-03	4.23E-02	4.55E-01	4.76E-02	2.15E+02	9.33E-06	3.90E-06	3.59E+02	4.26E+00	6.50E-02	9.47E-01	4.83E-01	1.50E+01	7.68E+02	2.67E+01	8.51E-06	3.24E-06	1.51E-01	6.47E-03	2.13E+01	1.14E+01	7.99E+02	1.40E-02	7.99E+02	8.30E+02	3.22E+01	0.00E+00	0.00E+00	5.16E-04	2.07E+01
HEW320DR	4.50E-01	3.80E+01	4.52E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.26E-02	4.54E-01	4.83E-02	2.16E+02	9.79E-06	3.94E-06	3.61E+02	4.26E+00	6.53E-02	9.60E-01	4.89E-01	1.51E+01	7.69E+02	2.69E+01	8.50E-06	3.30E-06	1.53E-01	6.51E-03	2.14E+01	1.15E+01	8.01E+02	1.40E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.16E-04	2.09E+01
HEW321BR	5.24E-01	4.58E+01	6.34E-02	4.58E+01	1.48E-04	0.00E+00	1.26E+04	2.49E-03	5.06E-02	5.54E-01	5.84E-02	2.68E+02	9.38E-06	4.90E-06	4.45E+02	7.58E+00	7.95E-02	1.24E+00	5.95E-01	1.77E+01	9.52E+02	3.52E+01	9.85E-06	3.89E-06	1.85E-01	7.87E-03	2.53E+01	1.33E+01	9.85E+02	1.70E-02	9.85E+02	1.02E+03	3.77E+01	0.00E+00	0.00E+00	6.44E-04	2.55E+01
HEW321DR	5.63E-01	4.74E+01	8.44E-02	4.74E+01	1.46E-04	0.00E+00	1.23E+04	2.72E-03	5.30E-02	5.68E-01	6.06E-02	2.76E+02	9.85E-06	5.02E-06	4.57E+02	8.32E+00	8.16E-02	1.27E+00	6.14E-01	1.86E+01	9.71E+02	3.49E+01	1.00E-05	4.06E-06	1.92E-01	8.01E-03	2.64E+01	1.35E+01	1.00E+03	1.81E-02	1.00E+03	1.04E+03	4.00E+01	0.00E+00	0.00E+00	6.49E-04	2.65E+01
HEW400DR	4.50E-01	3.79E+01	2.83E-03	3.78E+01	1.04E-04	0.00E+00	8.84E+03	1.50E-03	4.25E-02	4.54E-01	4.82E-02	2.17E+02	9.79E-06	3.92E-06	3.58E+02	4.67E+00	6.50E-02	9.62E-01	4.88E-01	1.51E+01	7.68E+02	2.68E+01	8.40E-06	3.30E-06	1.53E-01	6.50E-03	2.14E+01	1.14E+01	7.99E+02	1.41E-02	7.99E+02	8.33E+02	3.30E+01	0.00E+00	0.00E+00	4.81E-04	2.09E+01
HEW401DR	5.68E-01	4.75E+01	8.56E-02	4.75E+01	1.43E-04	0.00E+00	1.20E+04	2.72E-03	5.32E-02	5.71E-01	6.05E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.31E+00	8.17E-02	1.27E+00	6.16E-01	1.86E+01	9.72E+02	3.41E+01	9.97E-06	4.09E-06	1.92E-01	8.00E-03	2.66E+01	1.34E+01	1.01E+03	1.82E-02	1.01E+03	1.04E+03	4.01E+01	0.00E+00	0.00E+00	6.36E-04	2.65E+01
HEW500BR	4.37E-01	3.78E+01	1.08E-02	3.77E+01	1.03E-04	0.00E+00	8.81E+03	1.37E-03	4.27E-02	4.58E-01	4.81E-02	2.23E+02	9.33E-06	3.97E-06	3.69E+02	4.27E+00	6.53E-02	9.16E-01	4.86E-01	1.52E+01	7.69E+02	2.67E+01	8.61E-06	3.30E-06	1.52E-01	6.52E-03	2.15E+01	1.15E+01	8.05E+02	1.61E-02	8.05E+02	8.34E+02	3.24E+01	0.00E+00	0.00E+00	4.18E-04	2.07E+01
HEW501BR	5.35E-01	4.61E+01	6.74E-02	4.63E+01	1.47E-04	0.00E+00	1.25E+04	2.48E-03	5.14E-02	5.57E-01	5.89E-02	2.78E+02	9.38E-06	4.96E-06	4.59E+02	7.58E+00	8.04E-02	1.20E+00	5.96E-01	1.79E+01	9.57E+02	3.47E+01	9.98E-06	3.99E-06	1.87E-01	7.91E-03	2.55E+01	1.33E+01	9.90E+02	1.90E-02	9.90E+02	1.03E+03	3.78E+01	0.00E+00	0.00E+00	5.11E-04	2.55E+01
HHA014E	4.80E-02	5.76E+00	-6.67E-02	6.00E+00	2.50E-07	0.00E+00	8.52E+02	4.01E-04	9.20E-03	9.85E-02	3.87E-03	1.35E+01	4.27E-07	3.33E-07	2.53E+01	1.01E+00	5.23E-03	1.95E-01	4.41E-02	1.07E+00	1.68E+02	3.87E+00	3.14E-06	3.40E-07	2.87E-02	4.47E-04	1.90E+00	2.17E+00	1.72E+02	2.38E-04	1.72E+02	1.87E+02	4.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E+00
HHA014Z	9.64E-02	9.39E+00	-3.64E-02	9.05E+00	6.44E-06	0.00E+00	1.20E+03	4.45E-04	1.01E-02	1.04E-01	8.75E-03	4.03E+01	1.09E-06	8.50E-07	6.02E+01	1.08E+00	1.24E-02	2.43E-01	1.02E-01	1.86E+00	1.75E+02	7.00E+00	3.64E-06	7.31E-07	3.54E-02	5.64E-04	4.26E+00	2.55E+00	1.97E+02	1.08E-03	1.97E+02	2.09E+02	6.45E+00	0.00E+00	0.00E+00	6.56E-05	4.32E+00
HHA016Z	1.05E-01	1.29E+01	-7.67E-02	1.30E+01	2.82E-06	0.00E+00	2.08E+03	9.09E-04	2.39E-02	2.59E-01	8.20E-03	2.92E+01	9.07E-07	8.09E-07	6.49E+01	2.25E+00	1.11E-02	3.96E-01	1.04E-01	2.56E+00	3.29E+02	9.87E+00	3.27E-06	7.80E-07	7.27E-02	1.11E-03	4.28E+00	3.29E+00	3.38E+02	5.44E-04	3.38E+02	3.47E+02	7.49E+00	0.00E+00	0.00E+00	0.00E+00	4.50E+00
HHA017Z	1.34E-01	1.47E+01	-8.96E-02	1.49E+01	2.90E-06	0.00E+00	3.06E+03	1.17E-03	2.63E-02	2.91E-01	1.05E-02	3.83E+01	8.49E-07	1.09E-06	1.04E+02	2.96E+00	1.42E-02	4.81E-01	1.47E-01	2.61E+00	3.91E+02	1.09E+01	3.57E-06	9.43E-07	8.18E-02	1.16E-03	5.52E+00	4.33E+00	4.06E+02	6.62E-04	4.06E+02	4.15E+02	9.96E+00	0.00E+00	0.00E+00	0.00E+00	6.32E+00
HHA018E	4.77E-02	5.74E+00	-6.67E-02	5.98E+00	2.48E-07	0.00E+00	8.52E+02	3.98E-04	9.14E-03	9.75E-02	3.87E-03	1.34E+01	4.27E-07	3.32E-07	2.51E+01	1.01E+00	5.22E-03	1.94E-01	4.38E-02	1.07E+00	1.67E+02	3.89E+00	3.13E-06	3.38E-07	2.86E-02	4.48E-04	1.90E+00	2.17E+00	1.71E+02	2.34E-04	1.71E+02	1.86E+02	3.99E+00	0.00E+00	0.00E+00	0.00E+00	1.92E+00
HHA018Z	9.64E-02	9.39E+00	-3.64E-02	9.05E+00	6.44E-06	0.00E+00	1.20E+03	4.45E-04	1.01E-02	1.04E-01	8.75E-03	4.03E+01	1.09E-06	8.50E-07	6.02E+01	1.08E+00	1.24E-02	2.43E-01	1.02E-01	1.86E+00	1.75E+02	7.00E+00	3.64E-06	7.31E-07	3.54E-02	5.64E-04	4.26E+00	2.55E+00	1.97E+02	1.08E-03	1.97E+02	2.09E+02	6.45E+00	0.00E+00	0.00E+00	6.56E-05	4.32E+00
HHA020Z	1.15E-01	1.34E+01	-7.63E-02	1.36E+01	2.88E-06	0.00E+00	2.14E+03	9.38E-04	2.39E-02	2.59E-01	8.48E-03	3.10E+01	9.07E-07	8.31E-07	6.72E+01	2.62E+00	1.15E-02	3.96E-01	1.08E-01	2.65E+00	3.29E+02	1.06E+01	3.29E-06	8.23E-07	7.27E-02	1.14E-03	4.33E+00	3.29E+00	3.39E+02	5.59E-04	3.39E+02	3.47E+02	7.65E+00	0.00E+00	0.00E+00	0.00E+00	4.64E+00
HHA021Z	1.55E-01	1.57E+01	-5.67E-02	1.56E+01	8.03E-06	0.00E+00	2.74E+03	1.16E-03	2.71E-02	2.94E-01	1.19E-02	4.64E+01	1.26E-06	1.25E-06	1.15E+02	3.43E+00	1.64E-02	4.91E-01	1.67E-01	3.28E+00	3.74E+02	1.40E+01	3.97E-06	1.06E-06	8.82E-02	1.36E-03	6.33E+00	4.64E+00	3.97E+02	1.25E-03	3.97E+02	4.04E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.21E+00
HHA023E	4.75E-02	5.73E+00	-6.66E-02	5.96E+00	2.47E-07	0.00E+00	8.51E+02	3.98E-04	9.13E-03	9.74E-02	3.86E-03	1.33E+01	4.27E-07	3.31E-07	2.49E+01	1.00E+00	5.22E-03	1.94E-01	4.38E-02	1.07E+00	1.67E+02	3.90E+00	3.13E-06	3.35E-07	2.86E-02	4.48E-04	1.89E+00	2.17E+00	1.71E+02	2.34E-04	1.71E+02	1.86E+02	3.98E+00	0.00E+00	0.00E+00	0.00E+00	1.91E+00
HHA023Z	9.62E-02	9.38E+00	-3.64E-02	9.03E+00	6.44E-06	0.00E+00	1.20E+03	4.42E-04	1.01E-02	1.03E-01	8.74E-03	4.03E+01	1.09E-06	8.48E-07	5.99E+01	1.07E+00	1.24E-02	2.42E-01	1.02E-01	1.86E+00	1.74E+02	7.01E+00	3.64E-06	7.28E-07	3.53E-02	5.65E-04	4.26E+00	2.55E+00	1.96E+02	1.07E-03	1.96E+02	2.09E+02	6.44E+00	0.00E+00	0.00E+00	6.56E-05	4.30E+00
HHA025H	1.21E-01	1.41E+01	-8.17E-02	1.41E+01	5.12E-06	0.00E+00	2.70E+03	9.52E-04	2.46E-02	2.68E-01	8.79E-03	3.03E+01	9.51E-07	8.26E-07	6.63E+01	2.64E+00	1.19E-02	4.04E-01	1.08E-01	2.66E+00	3.35E+02	1.15E+01	3.57E-06	8.34E-07	7.49E-02	1.12E-03	4.43E+00	3.23E+00	3.45E+02	5.41E-04	3.45E+02	3.54E+02	7.83E+00	0.00E+00	0.00E+00	0.00E+00	4.66E+00
HHA025U	1.23E-01	1.40E+01	-7.87E-02	1.41E+01	5.19E-06	0.00E+00	2.27E+03	9.54E-04	2.41E-02	2.64E-01	9.11E-03	3.12E+01	9.35E-07	8.56E-07	6.66E+01	2.67E+00	1.23E-02	4.12E-01	1.11E-01	2.74E+00	3.39E+02	1.13E+01	3.64E-06	8.58E-07	7.28E-02	1.18E-03	4.52E+00	4.06E+00	3.49E+02	5.95E-04	3.49E+02	3.61E+02	9.16E+00	0.00E+00	0.00E+00	0.00E+00	4.78E+00
HHA025Z	1.20E-01	1.40E+01	-7.63E-02	1.40E+01	2.93E-06	0.00E+00	2.25E+03	9.50E-04	2.39E-02	2.59E-01	8.66E-03	3.14E+01	9.07E-07	8.48E-07	6.95E+01	2.68E+00	1.17E-02	3.96E-01	1.11E-01	2.69E+00	3.29E+02	1.11E+01	3.28E-06	8.39E-07	7.27E-02	1.16E-03	4.41E+00	3.29E+00	3.38E+02	5.71E-04	3.38E+02	3.47E+02	7.75E+00	0.00E+00	0.00E+00	0.00E+00	4.77E+00
HHA026H	1.53E-01	1.66E+01	-9.23E-02	1.67E+01	5.35E-06	0.00E+00	3.29E+03	1.24E-03	2.74E-02	2.99E-01	1.11E-02	4.19E+01	8.41E-07	1.09E-06	1.06E+02	3.55E+00	1.50E-02	4.88E-01	1.50E-01	3.10E+00	3.99E+02	1.34E+01	3.65E-06	1.02E-06	8.67E-02	1.39E-03	5.65E+00	3.54E+00	4.12E+02	6.77E-04	4.12E+02	4.19E+02	8.63E+00	0.00E+00	0.00E+00	0.00E+00	6.48E+00
HHA026U	1.64E-01	1.62E+01	-6.05E-02	1.60E+01	7.54E-06	0.00E+00	2.92E+03	1.17E-03	2.71E-02	2.93E-01	1.21E-02	4.67E+01	1.31E-06	1.25E-06	1.15E+02	3.50E+00	1.65E-02	4.89E-01	1.66E-01	3.33E+00	3.71E+02	1.44E+01	4.07E-06	1.07E-06	8.80E-02	1.38E-03	6.31E+00	4.58E+00	3.91E+02	9.93E-04	3.91E+02	4.04E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.22E+00
HHA026Z	1.49E-01	1.60E+01	-9.02E-02	1.61E+01	3.01E-06	0.00E+00	3.22E+03	1.22E-03	2.59E-02	2.85E-01	1.06E-02	3.63E+01	8.50E-07	1.10E-06	9.20E+01	3.49E+00	1.45E-02	4.65E-01	1.42E-01	2.72E+00	3.82E+02	1.22E+01	3.61E-06	9.93E-07	8.15E-02	1.20E-03	5.49E+00	3.60E+00	3.98E+02	6.70E-04	3.98E+02	4.04E+02	8.52E+00	0.00E+00	0.00E+00	0.00E+00	6.07E+00
HHA030E	4.80E-02	5.76E+00	-6.67E-02	6.00E+00	2.50E-07	0.00E+00	8.52E+02	4.01E-04	9.20E-03	9.85E-02	3.87E-03	1.35E+01	4.27E-07	3.33E-07	2.53E+01	1.01E+00	5.23E-03	1.95E-01	4.41E-02	1.07E+00	1.68E+02	3.87E+00	3.14E-06	3.40E-07	2.87E-02	4.47E-04	1.90E+00	2.17E+00	1.72E+02	2.38E-04	1.72E+02	1.87E+02	4.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E+00
HHA030Z	9.64E-02	9.40E+00	-3.63E-02	9.05E+00	6.44E-06	0.00E+00	1.20E+03	4.45E-04	1.01E-02	1.04E-01	8.75E-03	4.03E+01	1.09E-06	8.50E-07	6.02E+01	1.08E+00	1.24E-02	2.43E-01	1.02E-01	1.86E+00	1.75E+02	7.00E+00	3.64E-06	7.31E-07	3.54E-02	5.64E-04	4.26E+00	2.55E+00	1.97E+02	1.08E-03	1.97E+02	2.10E+02	6.45E+00	0.00E+00	0.00E+00	6.56E-05	4.32E+00
HHA032Z	1.34E-01	1.27E+01	-7.30E-02	1.24E+01	7.74E-06	0.00E+00	2.13E+03	9.09E-04	2.21E-02	2.34E-01	9.27E-03	3.90E+01	1.23E-06	9.17E-07	6.87E+01	2.48E+00	1.28E-02	4.18E-01	1.17E-01	2.88E+00	3.20E+02	1.09E+01	3.83E-06	8.57E-07	7.26E-02	1.07E-03	4.80E+00	3.13E+00	3.43E+02	1.15E-03	3.43E+02	3.50E+02	8.60E+00	0.00E+00	0.00E+00	3.34E-05	5.14E+00
HHA033Z	1.40E-01	1.52E+01	-9.34E-02	1.54E+01	2.96E-06	0.00E+00	3.02E+03	1.20E-03	2.60E-02	2.88E-01	1.04E-02	3.34E+01	1.27E-06	1.11E-06	9.16E+01	3.36E+00	1.41E-02	4.65E-01	1.38E-01	2.72E+00	3.82E+02	1.16E+01	3.56E-06	9.53E-07	8.16E-02	1.18E-03	5.46E+00	4.25E+00	4.00E+02	6.37E-04	4.00E+02	4.04E+02	9.60E+00	0.00E+00	0.00E+00	0.00E+00	5.95E+00
HHA038Z	9.62E-02	9.38E+00	-3.62E-02	9.03E+00	6.44E-06	0.00E+00	1.20E+03	4.42E-04	1.01E-02	1.03E-01	8.74E-03	4.03E+01	1.09E-06	8.48E-07	5.99E+01	1.07E+00	1.24E-02	2.42E-01	1.02E-01	1.86E+00	1.74E+02	7.02E+00	3.64E-06	7.28E-07	3.53E-02	5.65E-04	4.26E+00	2.55E+00	1.96E+02	1.07E-03	1.96E+02	2.09E+02	6.44E+00	0.00E+00	0.00E+00	6.56E-05	4.30E+00
HHA040H	1.14E-01	1.34E+01	-5.66E-02	1.31E+01	5.00E-06	0.00E+00	2.53E+03	9.28E-04	2.40E-02	2.64E-01	8.42E-03	2.55E+01	1.29E-06	7.84E-07	5.56E+01	2.42E+00	1.13E-02	4.00E-01	9.63E-02	2.54E+00	3.30E+02	1.12E+01	3.53E-06	7.36E-07	7.34E-02	9.98E-04	4.15E+00	3.10E+00	3.41E+02	4.88E-04	3.41E+02	3.49E+02	7.52E+00	0.00E+00	0.00E+00	0.00E+00	4.14E+00
HHA040U	1.18E-01	1.35E+01	-8.35E-02	1.36E+01	5.22E-06	0.00E+00	2.26E+03	9.42E-04	2.34E-02	2.57E-01	8.70E-03	2.71E+01	1.29E-06	8.73E-07	5.95E+01	2.59E+00	1.18E-02	3.90E-01	1.07E-01	2.80E+00	3.26E+02	1.13E+01	3.61E-06	8.09E-07	7.14E-02	1.16E-03	4.23E+00	3.32E+00	3.37E+02	5.38E-04	3.37E+02	3.45E+02	7.55E+00	0.00E+00	0.00E+00	0.00E+00	4.58E+00
HHA040Z	1.40E-01	1.31E+01	-7.31E-02	1.28E+01	7.82E-06	0.00E+00	2.24E+03	9.13E-04	2.21E-02	2.35E-01	9.49E-03	3.92E+01	1.23E-06	9.36E-07	7.06E+01	2.49E+00	1.30E-02	4.17E-01	1.20E-01	2.93E+00	3.21E+02	1.14E+01	3.94E-06	8.80E-07	7.26E-02	1.09E-03	4.89E+00	3.13E+00	3.43E+02	1.16E-03	3.43E+02	3.51E+02	8.67E+00	0.00E+00	0.00E+00	3.34E-05	5.25E+00
HHA041H	1.51E-01	1.65E+01	-1.02E-01	1.60E+01	5.18E-06	0.00E+00	3.21E+03	1.21E-03	2.76E-02	3.02E-01	1.07E-02	3.75E+01	1.24E-06	1.10E-06	1.05E+02	3.26E+00	1.44E-02	4.92E-01	1.45E-01	2.89E+00	4.03E+02	1.38E+01	3.86E-06	9.35E-07	8.70E-02	1.25E-03	5.65E+00	3.40E+00	4.19E+02	6.17E-04	4.19E+02	4.24E+02	8.45E+00	0.00E+00	0.00E+00	0.00E+00	6.30E+00
HHA041U	1.63E-01	1.59E+01	-6.79E-02	1.57E+01	7.54E-06	0.00E+00	2.92E+03	1.17E-03	2.69E-02	2.91E-01	1.19E-02	4.58E+01	1.31E-06	1.25E-06	1.14E+02	3.44E+00	1.61E-02	4.83E-01	1.64E-01	2.99E+00	3.66E+02	1.38E+01	4.05E-06	1.07E-06	8.68E-02	1.18E-03	6.29E+00	4.58E+00	3.86E+02	9.94E-04	3.86E+02	4.00E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.13E+00
HHA041Z	1.64E-01	1.63E+01	-5.99E-02	1.61E+01	8.30E-06	0.00E+00	2.92E+03	1.17E-03	2.71E-02	2.94E-01	1.21E-02	4.67E+01	1.26E-06	1.26E-06	1.15E+02	3.45E+00	1.66E-02	4.91E-01	1.67E-01	3.32E+00	3.74E+02	1.46E+01	4.05E-06	1.09E-06	8.82E-02	1.38E-03	6.36E+00	4.65E+00	3.97E+02	1.26E-03	3.97E+02	4.04E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.22E+00
HHA048Z	9.63E-02	9.39E+00	-3.62E-02	9.03E+00	6.44E-06	0.00E+00	1.20E+03	4.42E-04	1.01E-02	1.03E-01	8.74E-03	4.03E+01	1.09E-06	8.48E-07	5.99E+01	1.07E+00	1.24E-02	2.42E-01	1.02E-01	1.86E+00	1.74E+02	7.02E+00	3.64E-06	7.29E-07	3.54E-02	5.65E-04	4.26E+00	2.55E+00	1.97E+02	1.07E-03	1.97E+02	2.09E+02	6.44E+00	0.00E+00	0.00E+00	6.56E-05	4.31E+00
HHA050Z	1.41E-01	1.32E+01	-7.28E-02	1.28E+01	7.83E-06	0.00E+00	2.24E+03	9.22E-04	2.21E-02	2.35E-01	9.49E-03	3.92E+01	1.23E-06	9.36E-07	7.06E+01	2.52E+00	1.30E-02	4.17E-01	1.20E-01	2.94E+00	3.21E+02	1.15E+01	3.94E-06	8.80E-07	7.27E-02	1.10E-03	4.89E+00	3.13E+00	3.43E+02	1.16E-03	3.43E+02	3.52E+02	8.71E+00	0.00E+00	0.00E+00	3.34E-05	5.26E+00
HHA051Z	1.49E-01	1.59E+01	-9.34E-02	1.60E+01	3.04E-06	0.00E+00	3.22E+03	1.21E-03	2.60E-02	2.88E-01	1.06E-02	3.37E+01	1.27E-06	1.11E-06	9.19E+01	3.45E+00	1.44E-02	4.65E-01	1.38E-01	2.76E+00	3.82E+02	1.22E+01	3.61E-06	9.76E-07	8.16E-02	1.21E-03	5.50E+00	4.25E+00	4.00E+02	6.50E-04	4.00E+02	4.04E+02	9.60E+00	0.00E+00	0.00E+00	0.00E+00	5.97E+00
HHA061Z	4.51E-02	5.54E+00	-1.04E-01	5.64E+00	1.95E-07	0.00E+00	8.50E+02	3.16E-04	8.66E-03	9.52E-02	3.76E-03	9.35E+00	4.37E-07	2.96E-07	2.09E+01	8.65E-01	5.09E-03	1.76E-01	4.02E-02	1.11E+00	1.43E+02	4.13E+00	3.08E-06	3.07E-07	2.66E-02	4.41E-04	1.88E+00	2.12E+00	1.47E+02	1.84E-04	1.47E+02	1.51E+02	4.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E+00
HHA063H	1.21E-01	1.39E+01	-8.45E-02	1.40E+01	5.22E-06	0.00E+00	2.83E+03	9.49E-04	2.39E-02	2.63E-01	9.18E-03	2.70E+01	1.30E-06	8.81E-07	5.96E+01	2.59E+00	1.24E-02	4.00E-01	1.08E-01	2.84E+00	3.38E+02	1.19E+01	3.62E-06	8.22E-07	7.30E-02	1.16E-03	4.36E+00	3.36E+00	3.50E+02	5.36E-04	3.50E+02	3.58E+02	7.72E+00	0.00E+00	0.00E+00	0.00E+00	4.66E+00
HHA063U	1.18E-01	1.35E+01	-8.35E-02	1.36E+01	5.22E-06	0.00E+00	2.26E+03	9.42E-04	2.34E-02	2.57E-01	8.68E-03	2.70E+01	1.29E-06	8.74E-07	5.95E+01	2.59E+00	1.18E-02	3.90E-01	1.07E-01	2.81E+00	3.26E+02	1.13E+01	3.61E-06	8.09E-07	7.15E-02	1.16E-03	4.24E+00	3.32E+00	3.37E+02	5.36E-04	3.37E+02	3.44E+02	7.55E+00	0.00E+00	0.00E+00	0.00E+00	4.59E+00
HHA063Z	1.41E-01	1.32E+01	-7.27E-02	1.28E+01	7.83E-06	0.00E+00	2.24E+03	9.22E-04	2.21E-02	2.35E-01	9.51E-03	3.92E+01	1.23E-06	9.36E-07	7.06E+01	2.52E+00	1.31E-02	4.17E-01	1.20E-01	2.94E+00	3.21E+02	1.15E+01	3.96E-06	8.72E-07	7.26E-02	1.10E-03	4.89E+00	3.14E+00	3.43E+02	1.16E-03	3.43E+02	3.51E+02	8.70E+00	0.00E+00	0.00E+00	3.34E-05	5.26E+00
HHA064H	1.52E-01	1.67E+01	-1.19E-01	1.68E+01	5.35E-06	0.00E+00	3.31E+03	1.24E-03	2.76E-02	3.02E-01	1.13E-02	4.02E+01	1.24E-06	1.12E-06	1.02E+02	3.49E+00	1.53E-02	4.91E-01	1.44E-01	3.14E+00	4.02E+02	1.40E+01	3.96E-06	1.02E-06	8.69E-02	1.45E-03	5.67E+00	3.57E+00	4.16E+02	6.91E-04	4.16E+02	4.23E+02	8.55E+00	0.00E+00	0.00E+00	0.00E+00	6.20E+00
HHA064U	1.64E-01	1.59E+01	-5.91E-02	1.57E+01	7.56E-06	0.00E+00	2.95E+03	1.18E-03	2.69E-02	2.91E-01	1.19E-02	4.60E+01	1.30E-06	1.25E-06	1.14E+02	3.48E+00	1.61E-02	4.83E-01	1.64E-01	2.99E+00	3.66E+02	1.20E+01	4.08E-06	1.07E-06	8.69E-02	1.19E-03	6.36E+00	4.58E+00	3.86E+02	9.94E-04	3.86E+02	4.00E+02	1.07E+01	0.00E+00	0.00E+00	2.12E-05	7.13E+00

HHA064Z	1.64E-01	1.64E+01	-5.94E-02	1.61E+01	8.31E-06	0.00E+00	2.92E+03	1.18E-03	2.71E-02	2.94E-01	1.21E-02	4.67E+01	1.26E-06	1.26E-06	1.15E+02	3.53E+00	1.66E-02	4.91E-01	1.67E-01	3.33E+00	3.74E+02	1.46E+01	4.08E-06	1.09E-06	8.83E-02	1.39E-03	6.36E+00	4.65E+00	3.98E+02	1.26E-03	3.98E+02	4.05E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.22E+00
HHA078Z	8.62E-02	9.07E+00	-3.56E-02	8.93E+00	6.44E-06	0.00E+00	1.20E+03	4.42E-04	1.01E-02	1.03E-01	8.74E-03	4.03E+01	8.43E-07	8.48E-07	5.99E+01	1.07E+00	1.24E-02	2.42E-01	1.01E-01	1.72E+00	1.72E+02	6.87E+00	3.64E-06	7.16E-07	3.45E-02	5.65E-04	4.26E+00	2.55E+00	1.93E+02	1.07E-03	1.93E+02	2.05E+02	6.44E+00	0.00E+00	0.00E+00	6.56E-05	4.25E+00
HHA080H	1.14E-01	1.33E+01	-5.64E-02	1.31E+01	5.02E-06	0.00E+00	2.62E+03	9.35E-04	2.40E-02	2.63E-01	8.42E-03	2.57E+01	1.29E-06	7.84E-07	5.56E+01	2.46E+00	1.13E-02	4.00E-01	9.62E-02	2.54E+00	3.30E+02	1.13E+01	3.55E-06	7.31E-07	7.29E-02	1.00E-03	4.15E+00	3.11E+00	3.41E+02	4.87E-04	3.41E+02	3.49E+02	7.55E+00	0.00E+00	0.00E+00	0.00E+00	4.15E+00
HHA080U	1.18E-01	1.35E+01	-8.35E-02	1.35E+01	5.22E-06	0.00E+00	2.26E+03	9.42E-04	2.34E-02	2.57E-01	8.68E-03	2.69E+01	1.29E-06	8.72E-07	5.95E+01	2.59E+00	1.17E-02	3.89E-01	1.06E-01	2.78E+00	3.25E+02	1.13E+01	3.61E-06	8.05E-07	7.14E-02	1.15E-03	4.23E+00	3.32E+00	3.37E+02	5.36E-04	3.37E+02	3.44E+02	7.55E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+00
HHA080Z	1.31E-01	1.29E+01	-7.44E-02	1.27E+01	7.83E-06	0.00E+00	2.24E+03	9.21E-04	2.21E-02	2.34E-01	9.43E-03	3.93E+01	1.00E-06	9.35E-07	7.07E+01	2.52E+00	1.30E-02	4.17E-01	1.18E-01	2.81E+00	3.18E+02	1.14E+01	3.92E-06	8.58E-07	7.20E-02	1.10E-03	4.89E+00	3.13E+00	3.39E+02	1.16E-03	3.39E+02	3.47E+02	8.69E+00	0.00E+00	0.00E+00	3.34E-05	5.20E+00
HHA081H	1.47E-01	1.64E+01	-8.72E-02	1.60E+01	5.15E-06	0.00E+00	3.21E+03	1.22E-03	2.75E-02	3.02E-01	1.06E-02	3.79E+01	1.24E-06	1.11E-06	1.02E+02	3.32E+00	1.44E-02	4.90E-01	1.43E-01	2.89E+00	4.02E+02	1.37E+01	3.90E-06	9.16E-07	8.69E-02	1.25E-03	5.72E+00	3.41E+00	4.16E+02	6.13E-04	4.16E+02	4.23E+02	8.53E+00	0.00E+00	0.00E+00	0.00E+00	6.18E+00
HHA081U	1.51E-01	1.60E+01	-1.24E-01	1.61E+01	5.31E-06	0.00E+00	3.35E+03	1.22E-03	2.60E-02	2.88E-01	1.10E-02	3.80E+01	1.35E-06	1.13E-06	1.01E+02	3.41E+00	1.48E-02	4.76E-01	1.45E-01	2.80E+00	3.91E+02	1.24E+01	3.95E-06	9.82E-07	8.16E-02	1.21E-03	5.55E+00	4.45E+00	4.08E+02	6.71E-04	4.08E+02	4.16E+02	9.92E+00	0.00E+00	0.00E+00	0.00E+00	6.22E+00
HHA081Z	1.55E-01	1.59E+01	-6.38E-02	1.58E+01	8.31E-06	0.00E+00	2.92E+03	1.18E-03	2.69E-02	2.92E-01	1.19E-02	4.67E+01	1.03E-06	1.25E-06	1.15E+02	3.52E+00	1.63E-02	4.84E-01	1.65E-01	2.90E+00	3.68E+02	1.38E+01	4.06E-06	1.07E-06	8.67E-02	1.21E-03	6.34E+00	4.65E+00	3.90E+02	1.26E-03	3.90E+02	3.98E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.12E+00
HHA082H	1.56E-01	1.67E+01	-1.01E-01	1.68E+01	5.50E-06	0.00E+00	3.31E+03	1.24E-03	2.75E-02	3.02E-01	1.14E-02	4.21E+01	1.24E-06	1.11E-06	1.05E+02	3.48E+00	1.54E-02	4.93E-01	1.47E-01	3.22E+00	4.02E+02	1.41E+01	3.89E-06	1.05E-06	8.70E-02	1.47E-03	5.65E+00	3.57E+00	4.18E+02	8.53E-04	4.18E+02	4.23E+02	8.55E+00	0.00E+00	0.00E+00	0.00E+00	6.35E+00
HHA098Z	9.37E-02	9.43E+00	-3.56E-02	9.34E+00	6.45E-06	0.00E+00	1.26E+03	4.68E-04	9.88E-03	1.01E-01	8.92E-03	4.18E+01	8.43E-07	8.57E-07	6.16E+01	1.41E+00	1.26E-02	2.42E-01	1.03E-01	1.81E+00	1.72E+02	7.56E+00	3.65E-06	7.43E-07	3.45E-02	5.97E-04	4.28E+00	2.55E+00	1.94E+02	1.09E-03	1.94E+02	2.05E+02	6.57E+00	0.00E+00	0.00E+00	6.56E-05	4.34E+00
HHA100H	1.15E-01	1.34E+01	-8.41E-02	1.35E+01	5.22E-06	0.00E+00	2.83E+03	9.48E-04	2.26E-02	2.49E-01	9.12E-03	2.69E+01	1.28E-06	8.71E-07	5.98E+01	2.59E+00	1.24E-02	3.99E-01	1.04E-01	2.61E+00	3.31E+02	1.19E+01	3.62E-06	7.74E-07	6.93E-02	1.15E-03	4.27E+00	3.35E+00	3.43E+02	5.37E-04	3.43E+02	3.51E+02	7.62E+00	0.00E+00	0.00E+00	0.00E+00	4.46E+00
HHA100U	1.13E-01	1.30E+01	-8.31E-02	1.31E+01	5.22E-06	0.00E+00	2.26E+03	9.42E-04	2.21E-02	2.43E-01	8.63E-03	2.69E+01	1.28E-06	8.64E-07	5.98E+01	2.59E+00	1.17E-02	3.89E-01	1.02E-01	2.58E+00	3.19E+02	1.13E+01	3.61E-06	7.61E-07	6.77E-02	1.14E-03	4.15E+00	3.31E+00	3.30E+02	5.37E-04	3.30E+02	3.37E+02	7.46E+00	0.00E+00	0.00E+00	0.00E+00	4.39E+00
HHA100Z	1.30E-01	1.29E+01	-4.34E-02	1.27E+01	7.82E-06	0.00E+00	2.24E+03	9.25E-04	2.13E-02	2.24E-01	9.48E-03	4.20E+01	9.95E-07	9.21E-07	7.69E+01	2.60E+00	1.30E-02	4.18E-01	1.20E-01	2.64E+00	3.14E+02	1.14E+01	3.96E-06	8.45E-07	6.56E-02	1.09E-03	4.92E+00	4.08E+00	3.36E+02	1.16E-03	3.36E+02	3.45E+02	9.83E+00	0.00E+00	0.00E+00	3.44E-05	5.25E+00
HHA101H	1.44E-01	1.60E+01	-1.69E-01	1.62E+01	5.41E-06	0.00E+00	3.61E+03	1.26E-03	2.77E-02	3.04E-01	1.12E-02	3.56E+01	1.67E-06	1.15E-06	7.86E+01	3.42E+00	1.51E-02	4.69E-01	1.32E-01	2.87E+00	3.90E+02	1.21E+01	4.03E-06	9.71E-07	8.47E-02	1.20E-03	5.45E+00	4.27E+00	4.02E+02	7.21E-04	4.02E+02	4.11E+02	9.72E+00	0.00E+00	0.00E+00	0.00E+00	5.65E+00
HHA101U	1.55E-01	1.56E+01	-5.19E-02	1.56E+01	7.56E-06	0.00E+00	3.02E+03	1.18E-03	2.68E-02	2.89E-01	1.18E-02	4.98E+01	1.07E-06	1.25E-06	1.14E+02	3.47E+00	1.61E-02	4.74E-01	1.63E-01	2.83E+00	3.61E+02	1.19E+01	4.08E-06	1.05E-06	8.58E-02	1.19E-03	6.36E+00	4.57E+00	3.80E+02	9.90E-04	3.80E+02	3.95E+02	1.07E+01	0.00E+00	0.00E+00	2.22E-05	7.08E+00
HHA101Z	1.55E-01	1.57E+01	-3.36E-02	1.57E+01	8.31E-06	0.00E+00	3.02E+03	1.18E-03	2.68E-02	2.90E-01	1.19E-02	5.05E+01	1.03E-06	1.26E-06	1.14E+02	3.51E+00	1.63E-02	4.75E-01	1.65E-01	2.84E+00	3.64E+02	1.38E+01	4.08E-06	1.07E-06	8.61E-02	1.21E-03	6.42E+00	4.67E+00	3.84E+02	1.24E-03	3.84E+02	3.95E+02	1.10E+01	0.00E+00	0.00E+00	3.44E-05	7.11E+00
HHA102H	1.47E-01	1.62E+01	-1.22E-01	1.59E+01	5.31E-06	0.00E+00	3.23E+03	1.21E-03	2.74E-02	3.01E-01	1.07E-02	4.23E+01	1.22E-06	1.11E-06	1.02E+02	3.31E+00	1.44E-02	4.86E-01	1.43E-01	2.91E+00	3.98E+02	1.37E+01	3.84E-06	9.28E-07	8.67E-02	1.23E-03	5.70E+00	3.40E+00	4.11E+02	7.70E-04	4.11E+02	4.19E+02	8.53E+00	0.00E+00	0.00E+00	0.00E+00	6.20E+00
HHA123Z	1.00E-01	9.85E+00	-3.56E-02	9.65E+00	6.52E-06	0.00E+00	1.37E+03	4.74E-04	9.88E-03	1.01E-01	8.98E-03	4.19E+01	5.84E-07	8.65E-07	6.26E+01	1.44E+00	1.27E-02	2.42E-01	1.05E-01	1.84E+00	1.73E+02	8.07E+00	3.76E-06	7.61E-07	3.45E-02	6.19E-04	4.34E+00	2.55E+00	1.94E+02	1.09E-03	1.94E+02	2.06E+02	6.66E+00	0.00E+00	0.00E+00	6.56E-05	4.38E+00
HHA125H	1.24E-01	1.30E+01	-6.59E-02	1.31E+01	5.15E-06	0.00E+00	2.83E+03	9.62E-04	2.15E-02	2.36E-01	9.24E-03	3.63E+01	4.20E-07	8.27E-07	8.03E+01	2.83E+00	1.25E-02	4.06E-01	1.16E-01	2.51E+00	3.26E+02	1.19E+01	3.60E-06	8.20E-07	6.68E-02	1.16E-03	4.35E+00	3.36E+00	3.38E+02	6.03E-04	3.38E+02	3.45E+02	7.71E+00	0.00E+00	0.00E+00	0.00E+00	5.00E+00
HHA125U	1.22E-01	1.26E+01	-6.50E-02	1.26E+01	5.15E-06	0.00E+00	2.27E+03	9.55E-04	2.10E-02	2.31E-01	8.75E-03	3.63E+01	4.16E-07	8.20E-07	8.03E+01	2.83E+00	1.18E-02	3.95E-01	1.15E-01	2.49E+00	3.13E+02	1.13E+01	3.60E-06	8.07E-07	6.53E-02	1.15E-03	4.22E+00	3.32E+00	3.24E+02	6.03E-04	3.24E+02	3.32E+02	7.55E+00	0.00E+00	0.00E+00	0.00E+00	4.94E+00
HHA125Z	1.30E-01	1.29E+01	-4.64E-02	1.27E+01	7.81E-06	0.00E+00	2.24E+03	9.27E-04	2.14E-02	2.24E-01	9.54E-03	4.20E+01	6.24E-07	9.20E-07	7.70E+01	2.61E+00	1.31E-02	4.17E-01	1.20E-01	2.67E+00	3.17E+02	1.15E+01	3.97E-06	8.53E-07	6.55E-02	1.09E-03	4.90E+00	3.13E+00	3.38E+02	1.16E-03	3.38E+02	3.48E+02	8.70E+00	0.00E+00	0.00E+00	3.34E-05	5.26E+00
HHA126H	1.64E-01	1.69E+01	-9.05E-02	1.70E+01	5.32E-06	0.00E+00	3.62E+03	1.28E-03	2.83E-02	3.11E-01	1.19E-02	4.83E+01	5.59E-07	1.10E-06	1.07E+02	3.76E+00	1.62E-02	5.15E-01	1.53E-01	3.30E+00	4.17E+02	1.55E+01	4.02E-06	1.08E-06	8.79E-02	1.51E-03	5.77E+00	4.49E+00	4.32E+02	8.03E-04	4.32E+02	4.43E+02	1.03E+01	0.00E+00	0.00E+00	0.00E+00	6.56E+00
HHA126U	1.55E-01	1.59E+01	-4.42E-02	1.59E+01	7.75E-06	0.00E+00	3.00E+03	1.18E-03	2.71E-02	2.92E-01	1.21E-02	5.04E+01	7.37E-07	1.25E-06	1.15E+02	3.52E+00	1.64E-02	4.89E-01	1.65E-01	3.21E+00	3.70E+02	1.44E+01	4.08E-06	1.06E-06	8.71E-02	1.39E-03	6.38E+00	4.57E+00	3.91E+02	9.96E-04	3.91E+02	4.05E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.16E+00
HHA126Z	1.55E-01	1.61E+01	-3.62E-02	1.61E+01	8.31E-06	0.00E+00	3.00E+03	1.18E-03	2.71E-02	2.93E-01	1.22E-02	5.04E+01	6.93E-07	1.26E-06	1.15E+02	3.53E+00	1.67E-02	4.91E-01	1.66E-01	3.33E+00	3.73E+02	1.45E+01	4.08E-06	1.08E-06	8.74E-02	1.44E-03	6.43E+00	4.64E+00	3.96E+02	1.26E-03	3.96E+02	4.05E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.17E+00
HHA127H	1.56E-01	1.67E+01	-9.10E-02	1.68E+01	5.61E-06	0.00E+00	3.37E+03	1.24E-03	2.75E-02	3.03E-01	1.15E-02	4.72E+01	8.91E-07	1.10E-06	1.06E+02	3.52E+00	1.55E-02	4.93E-01	1.51E-01	3.23E+00	4.04E+02	1.43E+01	3.85E-06	1.07E-06	8.73E-02	1.47E-03	5.72E+00	3.56E+00	4.19E+02	8.68E-04	4.19E+02	4.25E+02	8.73E+00	0.00E+00	0.00E+00	0.00E+00	6.49E+00
HHA160H	1.24E-01	1.30E+01	-5.58E-02	1.31E+01	5.16E-06	0.00E+00	2.83E+03	9.74E-04	2.14E-02	2.36E-01	9.07E-03	3.65E+01	4.11E-07	8.29E-07	8.09E+01	2.86E+00	1.23E-02	4.07E-01	1.16E-01	2.43E+00	3.26E+02	1.16E+01	3.61E-06	8.16E-07	6.68E-02	1.13E-03	4.50E+00	3.23E+00	3.37E+02	4.89E-04	3.37E+02	3.45E+02	7.72E+00	0.00E+00	0.00E+00	0.00E+00	4.97E+00
HHA160U	1.14E-01	1.25E+01	-3.69E-02	1.26E+01	5.16E-06	0.00E+00	2.27E+03	9.67E-04	1.89E-02	2.08E-01	8.47E-03	3.65E+01	4.05E-07	8.23E-07	8.04E+01	2.86E+00	1.15E-02	3.97E-01	1.14E-01	2.43E+00	3.13E+02	1.09E+01	3.77E-06	7.64E-07	5.97E-02	1.12E-03	4.87E+00	2.96E+00	3.24E+02	4.89E-04	3.24E+02	3.32E+02	7.83E+00	0.00E+00	0.00E+00	0.00E+00	4.92E+00
HHA160Z	1.30E-01	1.29E+01	-3.89E-02	1.27E+01	7.82E-06	0.00E+00	2.24E+03	9.32E-04	2.13E-02	2.24E-01	9.55E-03	4.24E+01	5.71E-07	9.21E-07	7.72E+01	2.62E+00	1.31E-02	4.18E-01	1.20E-01	2.64E+00	3.17E+02	1.15E+01	3.96E-06	8.49E-07	6.54E-02	1.09E-03	4.90E+00	3.12E+00	3.38E+02	1.14E-03	3.38E+02	3.48E+02	8.70E+00	0.00E+00	0.00E+00	3.44E-05	5.25E+00
HHA161H	1.60E-01	1.60E+01	-1.42E-01	1.62E+01	5.33E-06	0.00E+00	3.62E+03	1.30E-03	2.77E-02	3.05E-01	1.13E-02	4.84E+01	5.16E-07	1.09E-06	1.07E+02	3.78E+00	1.53E-02	4.80E-01	1.48E-01	2.71E+00	3.91E+02	1.21E+01	4.02E-06	1.06E-06	8.59E-02	1.23E-03	5.77E+00	4.27E+00	4.03E+02	6.50E-04	4.03E+02	4.13E+02	1.00E+01	0.00E+00	0.00E+00	0.00E+00	6.35E+00
HHA161U	1.56E-01	1.58E+01	-3.83E-02	1.59E+01	7.75E-06	0.00E+00	3.02E+03	1.18E-03	2.70E-02	2.92E-01	1.21E-02	5.09E+01	6.83E-07	1.25E-06	1.15E+02	3.52E+00	1.64E-02	4.80E-01	1.65E-01	3.20E+00	3.67E+02	1.44E+01	4.08E-06	1.06E-06	8.70E-02	1.39E-03	6.41E+00	4.60E+00	3.85E+02	9.80E-04	3.85E+02	4.01E+02	1.08E+01	0.00E+00	0.00E+00	2.22E-05	7.17E+00
HHA161Z	1.56E-01	1.60E+01	-3.84E-02	1.60E+01	9.70E-06	0.00E+00	3.03E+03	1.18E-03	2.70E-02	2.93E-01	1.21E-02	5.09E+01	6.38E-07	1.26E-06	1.15E+02	3.53E+00	1.67E-02	4.82E-01	1.66E-01	3.30E+00	3.70E+02	1.45E+01	4.08E-06	1.07E-06	8.73E-02	1.42E-03	6.68E+00	4.68E+00	3.91E+02	1.36E-03	3.91E+02	4.01E+02	1.12E+01	0.00E+00	0.00E+00	4.39E-05	7.17E+00
HHA162H	1.60E-01	1.39E+01	-1.03E-01	1.40E+01	1.29E-05	0.00E+00	4.06E+03	1.20E-03	2.78E-02	3.05E-01	1.18E-02	4.92E+01	6.65E-07	1.11E-06	1.07E+02	3.05E+00	1.60E-02	4.79E-01	1.53E-01	3.38E+00	3.94E+02	1.50E+01	3.88E-06	1.05E-06	8.70E-02	1.59E-03	6.18E+00	4.99E+00	4.01E+02	1.00E-03	4.01E+02	4.14E+02	1.07E+01	0.00E+00	0.00E+00	9.33E-06	6.53E+00
HHB100U	1.52E-01	1.10E+01	-9.61E-02	1.44E+01	7.11E-05	0.00E+00	3.33E+03	7.71E-04	1.32E-02	1.51E-01	1.95E-02	9.74E+01	8.06E-07	1.55E-06	1.52E+02	2.46E+00	2.93E-02	3.49E-01	2.04E-01	7.19E+00	2.66E+02	1.39E+01	2.61E-06	1.49E-06	4.95E-02	4.46E-03	6.99E+00	5.74E+00	2.95E+02	6.58E-03	2.95E+02	2.82E+02	1.24E+01	0.00E+00	0.00E+00	3.47E-05	8.67E+00
HHB100Z	1.51E-01	1.10E+01	-1.02E-01	1.40E+01	6.23E-05	0.00E+00	3.35E+03	7.14E-04	1.34E-02	1.51E-01	1.87E-02	9.45E+01	8.26E-07	1.51E-06	1.42E+02	2.31E+00	2.79E-02	3.44E-01	1.88E-01	6.96E+00	2.62E+02	1.41E+01	2.56E-06	1.44E-06	5.08E-02	4.34E-03	6.90E+00	5.72E+00	2.85E+02	6.32E-03	2.85E+02	2.78E+02	1.22E+01	0.00E+00	0.00E+00	3.18E-05	8.20E+00
HHB101Z	1.49E-01	1.29E+01	-4.22E-02	1.26E+01	7.28E-05	0.00E+00	2.94E+03	7.70E-04	1.06E-02	1.14E-01	1.59E-02	1.12E+02	8.93E-08	1.44E-06	1.32E+02	2.49E+00	2.15E-02	2.76E-01	2.00E-01	7.20E+00	2.04E+02	1.12E+01	1.99E-06	1.79E-06	4.48E-02	4.81E-03	6.01E+00	3.10E+00	2.12E+02	6.73E-03	2.12E+02	2.24E+02	8.48E+00	0.00E+00	0.00E+00	0.00E+00	8.63E+00
HHB125U	1.56E-01	1.09E+01	-9.89E-02	1.43E+01	6.59E-05	0.00E+00	3.31E+03	7.24E-04	1.34E-02	1.55E-01	1.93E-02	9.71E+01	8.05E-07	1.54E-06	1.51E+02	2.27E+00	2.92E-02	3.49E-01	2.02E-01	7.18E+00	2.67E+02	1.38E+01	2.59E-06	1.49E-06	5.19E-02	4.43E-03	6.93E+00	5.73E+00	2.95E+02	6.55E-03	2.95E+02	2.83E+02	1.22E+01	0.00E+00	0.00E+00	3.33E-05	8.61E+00
HHB125Z	1.51E-01	1.10E+01	-1.01E-01	1.40E+01	6.23E-05	0.00E+00	3.35E+03	7.14E-04	1.34E-02	1.51E-01	1.87E-02	9.45E+01	8.20E-07	1.51E-06	1.42E+02	2.32E+00	2.79E-02	3.44E-01	1.88E-01	6.96E+00	2.62E+02	1.41E+01	2.56E-06	1.44E-06	5.08E-02	4.34E-03	6.89E+00	5.72E+00	2.85E+02	6.32E-03	2.85E+02	2.78E+02	1.22E+01	0.00E+00	0.00E+00	3.18E-05	8.20E+00
HHB126Z	1.85E-01	1.38E+01	-8.81E-02	1.67E+01	8.17E-05	0.00E+00	3.77E+03	8.93E-04	1.49E-02	1.67E-01	2.20E-02	1.18E+02	8.32E-07	1.82E-06	1.75E+02	2.89E+00	3.24E-02	3.68E-01	2.42E-01	8.39E+00	2.84E+02	1.54E+01	2.92E-06	1.86E-06	5.99E-02	5.27E-03	7.77E+00	6.00E+00	3.11E+02	7.65E-03	3.11E+02	3.04E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.03E+01
HHB160U	1.57E-01	1.11E+01	-9.58E-02	1.45E+01	7.10E-05	0.00E+00	3.35E+03	7.68E-04	1.38E-02	1.57E-01	1.95E-02	9.72E+01	8.06E-07	1.55E-06	1.51E+02	2.47E+00	2.92E-02	3.49E-01	2.03E-01	7.18E+00	2.67E+02	1.39E+01	2.61E-06	1.50E-06	5.28E-02	4.45E-03	7.00E+00	5.73E+00	2.95E+02	6.56E-03	2.95E+02	2.83E+02	1.24E+01	0.00E+00	0.00E+00	3.47E-05	8.65E+00
HHB160Z	1.52E-01	1.10E+01	-9.88E-02	1.40E+01	6.24E-05	0.00E+00	3.38E+03	7.15E-04	1.36E-02	1.53E-01	1.87E-02	9.47E+01	8.20E-07	1.51E-06	1.42E+02	2.33E+00	2.79E-02	3.44E-01	1.89E-01	6.97E+00	2.62E+02	1.41E+01	2.57E-06	1.45E-06	5.18E-02	4.35E-03	6.94E+00	5.72E+00	2.85E+02	6.33E-03	2.85E+02	2.78E+02	1.22E+01	0.00E+00	0.00E+00	3.18E-05	8.22E+00
HHB161Z	1.84E-01	1.37E+01	-8.66E-02	1.65E+01	8.12E-05	0.00E+00	3.78E+03	8.91E-04	1.51E-02	1.68E-01	2.19E-02	1.17E+02	8.32E-07	1.80E-06	1.75E+02	2.91E+00	3.24E-02	3.66E-01	2.39E-01	8.34E+00	2.83E+02	1.54E+01	2.92E-06	1.86E-06	6.02E-02	5.24E-03	7.74E+00	6.00E+00	3.10E+02	7.62E-03	3.10E+02	3.02E+02	1.36E+01	0.00E+00	0.00E+00	3.47E-05	1.02E+01
HHB200L	1.26E-01	1.03E+01	-3.95E-02	1.03E+01	5.97E-05	0.00E+00	2.61E+03	6.62E-04	1.06E-02	1.15E-01	1.38E-02	9.14E+01	7.78E-08	1.20E-06	1.12E+02	2.20E+00	1.86E-02	2.57E-01	1.66E-01	6.17E+00	1.89E+02	9.52E+00	1.69E-06	1.43E-06	4.03E-02	4.06E-03	5.47E+00	3.01E+00	1.98E+02	5.72E-03	1.98E+02	2.08E+02	8.02E+00	0.00E+00	0.00E+00	0.00E+00	7.10E+00
HHB200U	1.55E-01	1.09E+01	-1.00E-01	1.43E+01	6.50E-05	0.00E+00	3.28E+03	7.12E-04	1.33E-02	1.54E-01	1.93E-02	9.54E+01	8.05E-07	1.51E-06	1.48E+02	2.22E+00	2.91E-02	3.47E-01	1.99E-01	7.08E+00	2.66E+02	1.37E+01	2.56E-06	1.48E-06	5.18E-02	4.36E-03	6.92E+00	5.73E+00	2.95E+02	6.44E-03	2.95E+02	2.82E+02	1.22E+01	0.00E+00	0.00E+00	3.33E-05	8.45E+00
HHB200Z	1.55E-01	1.10E+01	-9.08E-02	1.44E+01	6.24E-05	0.00E+00	3.44E+03	7.15E-04	1.37E-02	1.57E-01	1.90E-02	9.50E+01	8.20E-07	1.51E-06	1.47E+02	2.37E+00	2.87E-02	3.48E-01	1.98E-01	7.08E+00	2.66E+02	1.43E+01	2.57E-06	1.46E-06	5.33E-02	4.36E-03	6.95E+00	5.71E+00	2.93E+02	6.45E-03	2.93E+02	2.82E+02	1.22E+01	0.00E+00	0.00E+00	3.33E-05	8.40E+00
HHB201L	1.62E-01	1.28E+01	-5.86E-02	1.29E+01	7.78E-05	0.00E+00	3.23E+03	8.32E-04	1.33E-02	1.44E-01	1.75E-02	1.14E+02	8.15E-08	1.52E-06	1.41E+02	2.67E+00	2.37E-02	3.22E-01	2.10E-01	7.63E+00	2.39E+02	1.13E+01	2.08E-06	1.81E-06	5.02E-02	5.07E-03	6.80E+00	5.13E+00	2.50E+02	7.09E-03	2.50E+02	2.62E+02	1.19E+01	0.00E+00	0.00E+00	0.00E+00	9.02E+00
HHB201Z	1.85E-01	1.37E+01	-8.42E-02	1.65E+01	8.12E-05	0.00E+00	3.80E+03	8.92E-04	1.53E-02	1.70E-01	2.19E-02	1.17E+02	8.32E-07	1.80E-06	1.75E+02	2.92E+00	3.24E-02	3.66E-01	2.39E-01	8.34E+00	2.84E+02	1.54E+01	2.92E-06	1.86E-06	6.10E-02	5.24E-03	7.76E+00	6.03E+00	3.11E+02	7.62E-03	3.11E+02	3.04E+02	1.36E+01	0.00E+00	0.00E+00	3.47E-05	1.02E+01
HHB250L	1.27E-01	1.04E+01	-3.52E-02	1.03E+01	5.98E-05	0.00E+00	2.63E+03	6.64E-04	1.07E-02	1.16E-01	1.38E-02	9.14E+01	7.75E-08	1.20E-06	1.12E+02	2.21E+00	1.87E-02	2.57E-01	1.66E-01	6.18E+00	1.90E+02	9.54E+00	1.69E-06	1.44E-06	4.03E-02	4.07E-03	5.48E+00	3.00E+00	1.99E+02	5.73E-03	1.99E+02	2.09E+02	8.02E+00	0.00E+00	0.00E+00	0.00E+00	7.13E+00
HHB250U	1.58E-01	1.10E+01	-8.09E-02	1.44E+01	6.60E-05	0.00E+00	3.40E+03	7.26E-04	1.37E-02	1.58E-01	1.93E-02	9.74E+01	8.04E-07	1.54E-06	1.51E+02	2.30E+00	2.91E-02	3.50E-01	2.02E-01	7.17E+00	2.67E+02	1.39E+01	2.59E-06	1.50E-06	5.34E-02	4.44E-03	7.02E+00	5.72E+00	2.96E+02	6.57E-03	2.96E+02	2.84E+02	1.22E+01	0.00E+00	0.00E+00	3.33E-05	8.63E+00
HHB250Z	1.57E-01	1.10E+01	-8.64E-02	1.44E+01	6.24E-05	0.00E+00	3.44E+03	7.18E-04	1.37E-02	1.57E-01	1.91E-02	9.49E+01	8.20E-07	1.51E-06	1.48E+02	2.38E+00	2.87E-02	3.48E-01	1.98E-01	7.09E+00	2.66E+02	1.43E+01	2.57E-06	1.46E-06	5.34E-02	4.36E-03	6.96E+00	5.71E+00	2.93E+02	6.45E-03	2.93E+02	2.82E+02	1.22E+01	0.00E+00	0.00E+00	3.33E-05	8.42E+00
HHB251L	1.70E-01	1.33E+01	-4.95E-02	1.33E+01	8.00E-05	0.00E+00	3.35E+03	8.63E-04	1.41E-02	1.52E-01	1.81E-02	1.19E+02	8.33E-08	1.58E-06	1.46E+02	2.77E+00	2.44E-02	3.34E-01	2.18E-01	7.90E+00	2.47E+02	1.17E+01	2.16E-06	1.88E-06	5.28E-02	5.25E-03	7.07E+00	5.18E+00	2.59E+02	7.35E-03	2.59E+02	2.71E+02	1.23E+01	0.00E+00	0.00E+00	0.00E+00	9.35E+00
HHB251Z	1.87E-01	1.38E+01	-8.06E-02	1.66E+01	8.20E-05	0.00E+00	3.83E+03	9.03E-04	1.54E-02	1.72E-01	2.21E-02	1.19E+02	8.32E-07	1.82E-06	1.76E+02	2.96E+00	3.25E-02	3.70E-01	2.43E-01	8.42E+00	2.85E+02	1.55E+01	2.94E-06	1.87E-06	6.16E-02	5.29E-03	7.81E+00	6.05E+00	3.12E+02	7.69E-03	3.12E+02	3.06E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.03E+01
HHJ250DR	4.50E-01	3.79E+01	2.74E-02	3.78E+01	1.04E-04	0.00E+00	8.95E+03	1.94E-03	4.26E-02	4.54E-01	4.83E-02	2.14E+02	9.79E-06	3.90E-06	3.57E+02	5.94E+00	6.51E-02	9.69E-01	4.88E-01	1.51E+01	7.68E+02	2.70E+01	8.47E-06	3.29E-06	1.53E-01	6.50E-03	2.14E+01	1.14E+01	8.00E+02	1.44E-02	8.00E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.56E-04	2.09E+01
HHJ251DR	5.68E-01	4.76E+01	1.12E-01	4.75E+01	1.42E-04	0.00E+00	1.20E+04	2.72E-03	5.31E-02	5.69E-01	6.07E-02	2.77E+02	9.85E-06	4.99E-06	4.56E+02	8.30E+00	8.19E-02	1.28E+00	6.17E-01	1.87E+01	9.72E+02	3.45E+01	1.00E-05	4.08E-06	1.92E-01	8.00E-03	2.67E+01	1.34E+01	1.01E+03	1.79E-02	1.01E+03	1.04E+03	4.03E+01	0.00E+00	0.00E+00	6.71E-04	2.65E+01
HHJ320DR	4.50E-01	3.79E+01	2.74E-02	3.78E+01	1.04E-04	0.00E+00	8.95E+03	1.94E-03	4.26E-02	4.54E-01	4.83E-02	2.14E+02	9.79E-06	3.90E-06	3.57E+02	5.94E+00	6.51E-02	9.69E-01	4.88E-01	1.51E+01	7.68E+02	2.70E+01	8.47E-06	3.29E-06	1.53E-01	6.50E-03	2.14E+01	1.14E+01	8.00E+02	1.44E-02	8.00E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.56E-04	2.09E+01
HHJ321DR	5.67E-01	4.75E+01	1.11E-01	4.75E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.31E-02	5.69E-01	6.06E-02	2.77E+02	9.85E-06	5.00E-06	4.56E+02	8.30E+00	8.18E-02	1.28E+00	6.16E-01	1.87E+01	9.72E+02	3.46E+01	1.00E-05	4.08E-06	1.92E-01	8.00E-03	2.67E+01	1.34E+01	1.01E+03	1.79E-02	1.01E+03	1.04E+03	4.03E+01	0.00E+00	0.00E+00	6.71E-04	2.65E+01
HHJ400DR	4.50E-01	3.78E+01	2.55E-02	3.78E+01	1.05E-04	0.00E+00	8.93E+03	2.06E-03	4.25E-02	4.54E-01	4.82E-02	2.15E+02	9.79E-06	3.89E-06	3.54E+02	6.35E+00	6.48E-02	9.71E-01	4.87E-01	1.51E+01	7.67E+02	2.68E+01	8.38E-06	3.29E-06	1.52E-01	6.50E-03	2.14E+01	1.14E+01	7.99E+02	1.45E-02	7.99E+02	8.34E+02	3.30E+01	0.00E+00	0.00E+00	5.21E-04	2.09E+01
HHJ401DR	5.69E-01	4.77E+01	1.14E-01	4.76E+01	1.40E-04	0.00E+00	1.15E+04	2.76E-03	5.37E-02	5.75E-01	6.06E-02	2.72E+02	9.86E-06	4.97E-06	4.55E+02	8.46E+00	8.20E-02	1.33E+00	6.22E-01	1.89E+01	9.77E+02	3.37E+01	9.98E-06	4.11E-06	1.93E-01	7.98E-03	2.70E+01	1.34E+01	1.01E+03	1.74E-02	1.01E+03	1.05E+03	4.04E+01	0.00E+00	0.00E+00	7.38E-04	2.67E+01
HHJ631DE	6.00E-01	4.88E+01	1.37E-01	4.86E+01	1.39E-04	0.00E+00	1.17E+04	1.64E-03	5.52E-02	5.91E-01	6.26E-02	3.04E+02	9.86E-06	5.29E-06	4.97E+02	5.02E+00	8.47E-02	1.17E+00	6.33E-01	1.93E+01	9.92E+02	3.41E+01	1.05E-05	4.31E-06	2.00E-01	8.24E-03	2.81E+01	1.36E+01	1.03E+03	2.35E-02	1.03E+03	1.07E+03	4.17E+01	0.00E+00	0.00E+00	4.43E-04	2.72E+01
HHM100ER	1.83E-01	1.66E+01	-1.75E-01	1.89E+01	6.31E-05	0.00E+00	6.03E+03	9.28E-04	1.91E-02	2.04E-01	2.00E-02	7.39E+01	1.02E-06	1.64E-06	1.56E+02	2.70E+00	2.95E-02	5.02E-01	2.07E-01	4.60E+00	4.05E+02	1.65E+01	4.50E-06	1.25E-06	7.63E-02	1.99E-03	8.02E+00	6.48E+00	4.25E+02	2.27E-03	4.25E+02	4.35E+02	1.42E+01	0.00E+00	0.00E+00	1.07E-04	8.87E+00
HHM101ER	1.98E-01	1.67E+01	-2.22E-01	1.93E+01	6.73E-05	0.00E+00	6.95E+03	1.17E-03	2.04E-02	2.16E-01	2.25E-02	7.51E+01	9.97E-07	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.05E-01	2.37E-01	4.85E+00	4.07E+02	1.83E+01	4.55E-06	1.27E-06	7.74E-02	2.03E-03	8.61E+00	7.00E+00	4.32E+02	2.35E-03	4.32E+02	4.37E+02	1.58E+01	0.00E+00	0.00E+00	6.57E-05	9.97E+00
HHM103ER	1.97E-01	1.68E+01	-2.23E-01	1.93E+01	6.73E-05	0.00E+00	6.95E+03	1.17E-03	2.04E-02	2.16E-01	2.25E-02	7.51E+01	1.03E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.05E-01	2.37E-01	4.85E+00	4.07E+02	1.83E+01	4.55E-06	1.27E-06	7.74E-02	2.03E-03	8.59E+00	7.00E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.57E+01	0.00E+00	0.00E+00	1.09E-04	9.97E+00
HHM125ER	1.83E-01	1.66E+01	-1.75E-01	1.89E+01	6.31E-05	0.00E+00	6.03E+03	9.29E-04	1.91E-02	2.04E-01	2.00E-02	7.41E+01	1.01E-06	1.64E-06	1.56E+02	2.70E+00	2.95E-02	5.02E-01	2.07E-01	4.60E+00	4.05E+02	1.65E+01	4.51E-06	1.25E-06	7.62E-02	1.99E-03	8.02E+00	6.48E+00	4.25E+02	2.27E-03	4.25E+02	4.35E+02	1.42E+01	0.00E+00	0.00E+00	1.07E-04	8.87E+00
HHM126ER	1.97E-01	1.68E+01	-2.23E-01	1.93E+01	6.73E-05	0.00E+00	6.95E+03	1.17E-03	2.04E-02	2.15E-01	2.25E-02	7.53E+01	1.02E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.05E-01	2.37E-01	4.85E+00	4.07E+02	1.83E+01	4.56E-06	1.27E-06	7.73E-02	2.03E-03	8.59E+00	7.00E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.57E+01	0.00E+00	0.00E+00	1.09E-04	9.97E+00
HHM128ER	1.97E-01	1.68E+01	-2.23E-01	1.93E+01	6.73E-05	0.00E+00	6.95E+03	1.17E-03	2.04E-02	2.15E-01	2.25E-02	7.53E+01	1.02E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.05E-01	2.37E-01	4.85E+00	4.07E+02	1.83E+01	4.56E-06	1.27E-06	7.73E-02	2.03E-03	8.59E+00	7.00E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.57E+01	0.00E+00	0.00E+00	1.09E-04	9.97E+00
HHM150ER	1.83E-01	1.66E+01	-1.74E-01	1.89E+01	5.84E-05	0.00E+00	5.96E+03	9.26E-04	1.91E-02	2.04E-01	2.06E-02	8.45E+01	9.74E-07	1.64E-06	1.56E+02	2.70E+00	3.03E-02	5.01E-01	2.09E-01	4.62E+00	4.05E+02	1.65E+01	4.52E-06	1.41E-06	7.62E-02	2.02E-03	8.02E+00	6.48E+00	4.25E+02	2.17E-03	4.25E+02	4.34E+02	1.42E+01	0.00E+00	0.00E+00	6.23E-05	8.99E+00
HHM151ER	1.98E-01	1.67E+01	-2.23E-01	1.93E+01	6.30E-05	0.00E+00	6.88E+03	1.18E-03	2.04E-02	2.15E-01	2.33E-02	8.51E+01	9.86E-07	1.82E-06	1.80E+02	3.55E+00	3.41E-02	5.04E-01	2.38E-01	4.87E+00	4.07E+02	1.84E+01	4.57E-06	1.42E-06	7.74E-02	2.05E-03	8.61E+00	7.00E+00	4.31E+02	2.34E-03	4.31E+02	4.37E+02	1.58E+01	0.00E+00	0.00E+00	6.47E-05	1.01E+01
HHM153ER	1.97E-01	1.68E+01	-2.23E-01	1.93E+01	6.73E-05	0.00E+00	6.95E+03	1.17E-03	2.04E-02	2.15E-01	2.25E-02	7.53E+01	1.02E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.05E-01	2.37E-01	4.85E+00	4.07E+02	1.83E+01	4.56E-06	1.27E-06	7.73E-02	2.03E-03	8.59E+00	7.00E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.57E+01	0.00E+00	0.00E+00	1.09E-04	9.97E+00
HHM160ER	1.83E-01	1.66E+01	-1.69E-01	1.89E+01	6.31E-05	0.00E+00	6.05E+03	9.29E-04	1.92E-02	2.04E-01	2.00E-02	7.41E+01	1.01E-06	1.64E-06	1.56E+02	2.70E+00	2.95E-02	5.02E-01	2.07E-01	4.60E+00	4.05E+02	1.65E+01	4.51E-06	1.25E-06	7.63E-02	1.99E-03	8.04E+00	6.48E+00	4.25E+02	2.27E-03	4.25E+02	4.35E+02	1.42E+01	0.00E+00	0.00E+00	1.07E-04	8.88E+00
HHM161ER	1.97E-01	1.68E+01	-2.21E-01	1.93E+01	6.73E-05	0.00E+00	6.96E+03	1.17E-03	2.04E-02	2.16E-01	2.25E-02	7.53E+01	1.02E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.05E-01	2.37E-01	4.85E+00	4.07E+02	1.84E+01	4.56E-06	1.27E-06	7.75E-02	2.03E-03	8.59E+00	7.00E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.57E+01	0.00E+00	0.00E+00	1.09E-04	9.97E+00
HHM163ER	1.97E-01	1.68E+01	-2.21E-01	1.93E+01	6.73E-05	0.00E+00	6.96E+03	1.17E-03	2.04E-02	2.16E-01	2.25E-02	7.53E+01	1.02E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.05E-01	2.37E-01	4.85E+00	4.07E+02	1.84E+01	4.56E-06	1.27E-06	7.75E-02	2.03E-03	8.59E+00	7.00E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.57E+01	0.00E+00	0.00E+00	1.09E-04	9.97E+00
HHM200ER	1.83E-01	1.65E+01	-1.67E-01	1.88E+01	6.31E-05	0.00E+00	6.07E+03	9.29E-04	1.87E-02	2.00E-01	2.00E-02	7.51E+01	1.01E-06	1.64E-06	1.56E+02	2.71E+00	2.95E-02	4.88E-01	2.07E-01	4.60E+00	3.99E+02	1.65E+01	4.52E-06	1.24E-06	6.88E-02	1.99E-03	8.05E+00	6.49E+00	4.17E+02	2.27E-03	4.17E+02	4.27E+02	1.42E+01	0.00E+00	0.00E+00	1.07E-04	8.88E+00
HHM201ER	1.98E-01	1.66E+01	-2.20E-01	1.92E+01	6.73E-05	0.00E+00	6.97E+03	1.17E-03	2.00E-02	2.12E-01	2.25E-02	7.63E+01	1.02E-06	1.81E-06	1.80E+02	3.56E+00	3.28E-02	4.92E-01	2.37E-01	4.85E+00	4.00E+02	1.83E+01	4.57E-06	1.26E-06	7.00E-02	2.03E-03	8.60E+00	7.00E+00	4.24E+02	2.40E-03	4.24E+02	4.29E+02	1.57E+01	0.00E+00	0.00E+00	1.09E-04	9.97E+00
HHM203ER	1.98E-01	1.66E+01	-2.20E-01	1.92E+01	6.73E-05	0.00E+00	6.97E+03	1.17E-03	2.00E-02	2.12E-01	2.25E-02	7.63E+01	1.02E-06	1.81E-06	1.80E+02	3.56E+00	3.28E-02	4.92E-01	2.37E-01	4.85E+00	4.00E+02	1.83E+01	4.57E-06	1.26E-06	7.00E-02	2.03E-03	8.60E+00	7.00E+00	4.24E+02	2.40E-03	4.24E+02	4.29E+02	1.57E+01	0.00E+00	0.00E+00	1.09E-04	9.97E+00
HHM250ER	1.85E-01	1.65E+01	-1.66E-01	1.88E+01	6.28E-05	0.00E+00	6.51E+03	9.31E-04	1.87E-02	2.00E-01	2.01E-02	7.55E+01	1.01E-06	1.64E-06	1.56E+02	2.73E+00	2.95E-02	4.87E-01	2.07E-01	4.60E+00	3.96E+02	1.70E+01	4.52E-06	1.24E-06	6.87E-02	2.01E-03	8.08E+00	6.65E+00	4.15E+02	2.28E-03	4.15E+02	4.25E+02	1.42E+01	0.00E+00	0.00E+00	1.07E-04	8.89E+00
HHM251ER	2.00E-01	1.66E+01	-2.21E-01	1.92E+01	6.70E-05	0.00E+00	7.46E+03	1.17E-03	2.00E-02	2.12E-01	2.26E-02	7.67E+01	1.02E-06	1.81E-06	1.80E+02	3.56E+00	3.29E-02	4.90E-01	2.37E-01	4.85E+00	3.98E+02	1.89E+01	4.57E-06	1.26E-06	7.00E-02	2.05E-03	8.64E+00	7.16E+00	4.22E+02	2.41E-03	4.22E+02	4.28E+02	1.58E+01	0.00E+00	0.00E+00	1.09E-04	9.98E+00
HHM253ER	2.00E-01	1.66E+01	-2.21E-01	1.92E+01	6.70E-05	0.00E+00	7.46E+03	1.17E-03	2.00E-02	2.12E-01	2.26E-02	7.67E+01	1.02E-06	1.81E-06	1.80E+02	3.56E+00	3.29E-02	4.90E-01	2.37E-01	4.85E+00	3.98E+02	1.89E+01	4.57E-06	1.26E-06	7.00E-02	2.05E-03	8.64E+00	7.16E+00	4.22E+02	2.41E-03	4.22E+02	4.28E+02	1.58E+01	0.00E+00	0.00E+00	1.09E-04	9.98E+00
HHS014EC	4.99E-02	6.12E+00	-1.01E-01	6.27E+00	1.38E-06	0.00E+00	1.43E+03	4.45E-04	1.04E-02	9.95E-02	4.17E-03	1.36E+01	6.00E-07	3.62E-07	3.06E+01	1.05E+00	5.50E-03	2.09E-01	4.83E-02	1.16E+00	1.74E+02	3.97E+00	3.24E-06	3.58E-07	2.96E-02	4.48E-04	2.09E+00	2.27E+00	1.78E+02	2.49E-04	1.78E+02	1.96E+02	4.40E+00	0.00E+00	0.00E+00	8.16E-06	2.06E+00
HHS018EC	4.96E-02	6.10E+00	-1.01E-01	6.26E+00	1.38E-06	0.00E+00	1.43E+03	4.43E-04	1.04E-02	9.88E-02	4.16E-03	1.35E+01	6.00E-07	3.61E-07	3.04E+01	1.04E+00	5.50E-03	2.08E-01	4.81E-02	1.16E+00	1.73E+02	3.99E+00	3.24E-06	3.55E-07	2.95E-02	4.49E-04	2.08E+00	2.27E+00	1.78E+02	2.46E-04	1.78E+02	1.96E+02	4.39E+00	0.00E+00	0.00E+00	8.16E-06	2.05E+00
HHS023EC	5.16E-02	6.25E+00	-1.01E-01	6.66E+00	1.46E-06	0.00E+00	1.53E+03	4.55E-04	1.04E-02	9.89E-02	4.51E-03	1.58E+01	5.99E-07	4.12E-07	3.54E+01	1.15E+00	6.04E-03	2.08E-01	5.59E-02	1.30E+00	1.73E+02	4.12E+00	3.24E-06	4.06E-07	2.95E-02	5.51E-04	2.17E+00	2.40E+00	1.78E+02	2.74E-04	1.78E+02	1.96E+02	4.48E+00	0.00E+00	0.00E+00	8.16E-06	2.39E+00
HHS025BC	1.16E-01	1.12E+01	-1.86E-01	1.13E+01	2.83E-05	0.00E+00	3.91E+03	6.34E-04	1.09E-02	1.05E-01	1.05E-02	4.07E+01	4.62E-07	7.65E-07	6.62E+01	1.92E+00	1.40E-02	2.67E-01	1.04E-01	3.15E+00	2.21E+02	1.07E+01	3.49E-06	8.67E-07	3.95E-02	1.29E-03	5.45E+00	3.36E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	8.43E+00	0.00E+00	0.00E+00	2.09E-04	4.52E+00
HHS025DC	1.17E-01	1.12E+01	-1.81E-01	1.13E+01	2.82E-05	0.00E+00	4.01E+03	6.41E-04	1.15E-02	1.12E-01	1.09E-02	4.09E+01	4.63E-07	7.48E-07	6.59E+01	1.92E+00	1.46E-02	2.85E-01	1.05E-01	3.25E+00	2.42E+02	1.08E+01	3.50E-06	8.60E-07	3.96E-02	1.32E-03	5.77E+00	5.16E+00	2.50E+02	2.16E-03	2.50E+02	2.69E+02	1.14E+01	0.00E+00	0.00E+00	2.17E-04	4.56E+00
HHS025DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.23E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.67E-01	1.31E-01	2.71E+00	3.49E+02	1.22E+01	4.01E-06	1.03E-06	7.40E-02	1.20E-03	5.96E+00	4.62E+00	3.67E+02	1.44E-03	3.67E+02	3.77E+02	1.09E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HHS026BC	1.20E-01	1.12E+01	-1.97E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.26E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.27E+01	3.67E-06	9.85E-07	3.99E-02	1.79E-03	6.69E+00	5.30E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.14E-04	5.98E+00
HHS026DC	1.20E-01	1.12E+01	-1.95E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.28E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.27E+01	3.67E-06	9.85E-07	3.99E-02	1.78E-03	6.69E+00	5.30E+00	3.05E+02	2.08E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.23E-04	5.98E+00
HHS026DR	1.31E-01	1.54E+01	-1.29E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.60E-02	7.63E+01	5.69E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.61E-01	3.64E+00	3.62E+02	1.57E+01	4.10E-06	1.30E-06	7.60E-02	1.75E-03	7.07E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.38E-04	7.01E+00

HHS030EC	4.96E-02	6.07E+00	-1.01E-01	6.24E+00	1.37E-06	0.00E+00	1.43E+03	4.34E-04	1.04E-02	9.93E-02	4.16E-03	1.29E+01	6.00E-07	3.55E-07	3.01E+01	1.00E+00	5.47E-03	2.05E-01	4.69E-02	1.16E+00	1.73E+02	4.04E+00	3.23E-06	3.53E-07	2.95E-02	4.49E-04	2.05E+00	2.27E+00	1.78E+02	2.47E-04	1.78E+02	1.95E+02	4.39E+00	0.00E+00	0.00E+00	8.16E-06	2.04E+00
HHS038EC	4.67E-02	5.90E+00	-1.05E-01	6.01E+00	1.35E-06	0.00E+00	1.43E+03	4.08E-04	1.02E-02	9.55E-02	4.09E-03	1.12E+01	6.08E-07	3.36E-07	2.72E+01	9.46E-01	5.41E-03	1.93E-01	4.49E-02	1.17E+00	1.69E+02	4.23E+00	3.19E-06	3.26E-07	2.83E-02	4.55E-04	1.97E+00	2.26E+00	1.74E+02	1.97E-04	1.74E+02	1.92E+02	4.27E+00	0.00E+00	0.00E+00	8.16E-06	1.90E+00
HHS040BC	1.16E-01	1.12E+01	-1.86E-01	1.13E+01	2.83E-05	0.00E+00	3.91E+03	6.33E-04	1.09E-02	1.05E-01	1.05E-02	4.14E+01	4.62E-07	7.61E-07	6.64E+01	1.92E+00	1.40E-02	2.67E-01	1.04E-01	3.14E+00	2.21E+02	1.07E+01	3.50E-06	8.59E-07	3.95E-02	1.29E-03	5.55E+00	4.65E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	1.04E+01	0.00E+00	0.00E+00	2.09E-04	4.54E+00
HHS040DC	1.16E-01	1.12E+01	-1.83E-01	1.13E+01	2.83E-05	0.00E+00	3.99E+03	6.33E-04	1.09E-02	1.05E-01	1.08E-02	4.15E+01	4.63E-07	7.56E-07	6.61E+01	1.92E+00	1.45E-02	2.68E-01	1.05E-01	3.15E+00	2.22E+02	1.07E+01	3.50E-06	8.59E-07	3.95E-02	1.29E-03	5.59E+00	4.78E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	1.11E+01	0.00E+00	0.00E+00	2.17E-04	4.56E+00
HHS040DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.01E-03	2.00E-02	2.11E-01	1.19E-02	5.29E+01	6.22E-07	1.06E-06	8.00E+01	2.70E+00	1.68E-02	4.66E-01	1.31E-01	2.71E+00	3.48E+02	1.22E+01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.96E+00	4.62E+00	3.67E+02	1.44E-03	3.67E+02	3.76E+02	1.09E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HHS041BC	1.20E-01	1.12E+01	-1.97E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.26E-01	1.27E-02	5.32E+01	4.16E-07	9.75E-07	9.51E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.67E-06	9.80E-07	3.99E-02	1.79E-03	6.69E+00	5.30E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.14E-04	5.98E+00
HHS041DC	1.17E-01	1.12E+01	-1.81E-01	1.13E+01	6.41E-05	0.00E+00	3.94E+03	6.38E-04	1.10E-02	1.05E-01	1.23E-02	5.35E+01	4.10E-07	9.70E-07	9.47E+01	1.93E+00	1.63E-02	2.68E-01	1.40E-01	3.51E+00	2.24E+02	1.08E+01	3.68E-06	9.95E-07	3.96E-02	1.74E-03	5.79E+00	4.91E+00	2.30E+02	1.89E-03	2.30E+02	2.54E+02	1.14E+01	0.00E+00	0.00E+00	2.15E-04	5.95E+00
HHS041DR	1.29E-01	1.53E+01	-1.27E-01	1.53E+01	5.67E-05	0.00E+00	3.87E+03	1.02E-03	2.07E-02	2.24E-01	1.57E-02	7.68E+01	5.66E-07	1.12E-06	1.02E+02	2.76E+00	2.15E-02	4.72E-01	1.58E-01	3.48E+00	3.59E+02	1.46E+01	4.05E-06	1.29E-06	7.45E-02	1.73E-03	7.02E+00	5.05E+00	3.77E+02	1.77E-03	3.77E+02	3.85E+02	1.26E+01	0.00E+00	0.00E+00	1.36E-04	6.87E+00
HHS048EC	4.69E-02	5.91E+00	-1.05E-01	6.02E+00	1.35E-06	0.00E+00	1.43E+03	4.08E-04	1.02E-02	9.60E-02	4.09E-03	1.12E+01	6.08E-07	3.36E-07	2.72E+01	9.46E-01	5.41E-03	1.93E-01	4.50E-02	1.17E+00	1.69E+02	4.23E+00	3.19E-06	3.27E-07	2.84E-02	4.55E-04	1.97E+00	2.26E+00	1.74E+02	1.97E-04	1.74E+02	1.92E+02	4.28E+00	0.00E+00	0.00E+00	8.16E-06	1.90E+00
HHS050BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.55E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HHS051BC	1.20E-01	1.12E+01	-1.98E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.27E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.82E-07	3.99E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.98E+00
HHS061EC	4.73E-02	5.93E+00	-1.05E-01	6.04E+00	1.36E-06	0.00E+00	1.43E+03	4.10E-04	1.03E-02	9.64E-02	4.10E-03	1.13E+01	6.08E-07	3.38E-07	2.75E+01	9.52E-01	5.42E-03	1.94E-01	4.53E-02	1.17E+00	1.69E+02	4.20E+00	3.19E-06	3.31E-07	2.85E-02	4.54E-04	1.98E+00	2.26E+00	1.74E+02	1.99E-04	1.74E+02	1.92E+02	4.29E+00	0.00E+00	0.00E+00	8.16E-06	1.92E+00
HHS063BC	1.19E-01	1.12E+01	-1.84E-01	1.13E+01	2.84E-05	0.00E+00	4.11E+03	6.50E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.70E-07	7.44E-07	6.55E+01	1.91E+00	1.47E-02	3.13E-01	1.05E-01	3.25E+00	2.84E+02	1.08E+01	3.48E-06	8.75E-07	4.00E-02	1.32E-03	6.27E+00	5.18E+00	2.99E+02	2.20E-03	2.99E+02	3.08E+02	1.19E+01	0.00E+00	0.00E+00	2.09E-04	4.55E+00
HHS063DC	1.18E-01	1.12E+01	-1.81E-01	1.13E+01	2.87E-05	0.00E+00	4.11E+03	6.50E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.70E-07	7.44E-07	6.55E+01	1.92E+00	1.47E-02	3.13E-01	1.05E-01	3.25E+00	2.84E+02	1.26E+01	3.48E-06	8.75E-07	4.00E-02	1.32E-03	6.26E+00	5.18E+00	2.99E+02	2.20E-03	2.99E+02	3.08E+02	1.19E+01	0.00E+00	0.00E+00	2.17E-04	4.55E+00
HHS063DR	1.25E-01	1.51E+01	-1.19E-01	1.51E+01	1.94E-05	0.00E+00	3.79E+03	1.00E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.28E-07	1.06E-06	7.99E+01	2.65E+00	1.68E-02	4.66E-01	1.31E-01	2.71E+00	3.48E+02	1.21E+01	3.98E-06	1.03E-06	7.40E-02	1.20E-03	5.99E+00	4.65E+00	3.67E+02	1.44E-03	3.67E+02	3.75E+02	1.09E+01	0.00E+00	0.00E+00	1.31E-04	5.64E+00
HHS064BC	1.20E-01	1.12E+01	-1.98E-01	1.13E+01	6.52E-05	0.00E+00	4.15E+03	6.56E-04	1.26E-02	1.27E-01	1.27E-02	5.28E+01	4.22E-07	9.76E-07	9.50E+01	1.94E+00	1.68E-02	3.13E-01	1.40E-01	3.62E+00	2.88E+02	1.30E+01	3.64E-06	9.91E-07	3.98E-02	1.79E-03	6.69E+00	5.36E+00	3.04E+02	2.17E-03	3.04E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.97E+00
HHS064DC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.53E-05	0.00E+00	4.15E+03	6.56E-04	1.26E-02	1.28E-01	1.27E-02	5.29E+01	4.18E-07	9.76E-07	9.50E+01	1.94E+00	1.68E-02	3.13E-01	1.40E-01	3.61E+00	2.88E+02	1.30E+01	3.65E-06	9.91E-07	4.00E-02	1.79E-03	6.70E+00	5.36E+00	3.04E+02	2.08E-03	3.04E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.97E+00
HHS064DR	1.30E-01	1.52E+01	-1.14E-01	1.53E+01	5.76E-05	0.00E+00	3.85E+03	1.01E-03	2.07E-02	2.24E-01	1.58E-02	7.68E+01	5.71E-07	1.13E-06	1.02E+02	2.70E+00	2.15E-02	4.71E-01	1.58E-01	3.46E+00	3.59E+02	1.45E+01	4.01E-06	1.29E-06	7.45E-02	1.72E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.86E+00
HHS078EC	4.87E-02	6.03E+00	-1.05E-01	6.41E+00	1.47E-06	0.00E+00	1.54E+03	4.32E-04	1.01E-02	9.57E-02	4.46E-03	1.43E+01	6.03E-07	3.98E-07	3.31E+01	1.10E+00	5.98E-03	1.98E-01	5.42E-02	1.29E+00	1.68E+02	4.28E+00	3.20E-06	3.82E-07	2.81E-02	5.56E-04	2.04E+00	2.39E+00	1.74E+02	2.30E-04	1.74E+02	1.92E+02	4.36E+00	0.00E+00	0.00E+00	8.16E-06	2.28E+00
HHS080BC	1.19E-01	1.12E+01	-1.84E-01	1.14E+01	2.85E-05	0.00E+00	4.11E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.70E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.85E+02	1.26E+01	3.50E-06	8.60E-07	4.01E-02	1.33E-03	6.26E+00	5.18E+00	2.99E+02	2.20E-03	2.99E+02	3.10E+02	1.19E+01	0.00E+00	0.00E+00	2.09E-04	4.56E+00
HHS080DC	1.18E-01	1.12E+01	-1.81E-01	1.14E+01	2.87E-05	0.00E+00	4.11E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.70E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.50E-06	8.60E-07	4.01E-02	1.33E-03	6.29E+00	5.19E+00	3.02E+02	2.20E-03	3.02E+02	3.13E+02	1.19E+01	0.00E+00	0.00E+00	2.21E-04	4.56E+00
HHS080DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.58E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.65E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.01E-06	1.03E-06	7.40E-02	1.20E-03	5.92E+00	4.70E+00	3.68E+02	1.47E-03	3.68E+02	3.77E+02	1.10E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HHS081BC	1.20E-01	1.12E+01	-1.98E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.26E-02	1.27E-01	1.27E-02	5.28E+01	4.22E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.66E-06	9.85E-07	3.99E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.98E+00
HHS081DC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.26E-02	1.28E-01	1.27E-02	5.28E+01	4.22E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.85E-07	3.99E-02	1.80E-03	6.70E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HHS081DR	1.30E-01	1.53E+01	-1.14E-01	1.53E+01	5.76E-05	0.00E+00	3.85E+03	1.02E-03	2.07E-02	2.24E-01	1.58E-02	7.68E+01	5.71E-07	1.13E-06	1.02E+02	2.75E+00	2.15E-02	4.72E-01	1.58E-01	3.47E+00	3.60E+02	1.46E+01	4.03E-06	1.29E-06	7.46E-02	1.73E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HHS098EC	5.49E-02	6.23E+00	-1.05E-01	6.37E+00	1.43E-06	0.00E+00	1.48E+03	4.46E-04	9.96E-03	9.41E-02	4.36E-03	1.37E+01	6.04E-07	3.63E-07	3.00E+01	1.31E+00	5.76E-03	1.97E-01	4.93E-02	1.23E+00	1.69E+02	4.86E+00	3.21E-06	3.60E-07	2.79E-02	4.88E-04	1.99E+00	2.26E+00	1.74E+02	2.15E-04	1.74E+02	1.92E+02	4.40E+00	0.00E+00	0.00E+00	8.16E-06	2.04E+00
HHS100BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.60E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HHS100DC	1.18E-01	1.12E+01	-1.81E-01	1.14E+01	2.87E-05	0.00E+00	4.11E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.60E-07	4.01E-02	1.33E-03	6.29E+00	5.19E+00	3.02E+02	2.20E-03	3.02E+02	3.13E+02	1.19E+01	0.00E+00	0.00E+00	2.21E-04	4.56E+00
HHS100DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.24E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.65E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.02E-06	1.03E-06	7.40E-02	1.20E-03	5.92E+00	4.76E+00	3.68E+02	1.47E-03	3.68E+02	3.77E+02	1.10E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HHS101BC	1.20E-01	1.12E+01	-1.98E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.27E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.85E-07	3.99E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.98E+00
HHS101DC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.53E-05	0.00E+00	4.15E+03	6.68E-04	1.26E-02	1.28E-01	1.27E-02	5.29E+01	4.12E-07	9.76E-07	9.50E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.68E-06	9.85E-07	4.02E-02	1.80E-03	6.70E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HHS101DR	1.30E-01	1.53E+01	-1.14E-01	1.53E+01	5.76E-05	0.00E+00	3.85E+03	1.02E-03	2.07E-02	2.24E-01	1.58E-02	7.68E+01	5.66E-07	1.13E-06	1.02E+02	2.75E+00	2.15E-02	4.72E-01	1.58E-01	3.47E+00	3.60E+02	1.45E+01	4.04E-06	1.29E-06	7.46E-02	1.73E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HHS102DC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.53E-05	0.00E+00	4.15E+03	6.68E-04	1.26E-02	1.28E-01	1.27E-02	5.29E+01	4.12E-07	9.76E-07	9.50E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.68E-06	9.85E-07	4.02E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HHS123EC	6.22E-02	6.73E+00	-1.04E-01	6.80E+00	1.45E-06	0.00E+00	1.59E+03	4.58E-04	1.00E-02	9.45E-02	4.57E-03	1.49E+01	6.07E-07	3.83E-07	3.24E+01	1.34E+00	6.03E-03	2.00E-01	5.30E-02	1.29E+00	1.71E+02	5.35E+00	3.32E-06	3.91E-07	2.86E-02	5.09E-04	2.13E+00	2.27E+00	1.75E+02	2.55E-04	1.75E+02	1.94E+02	4.53E+00	0.00E+00	0.00E+00	8.16E-06	2.20E+00
HHS125BC	1.18E-01	1.12E+01	-1.97E-01	1.14E+01	3.04E-05	0.00E+00	4.18E+03	6.63E-04	1.27E-02	1.27E-01	1.10E-02	4.20E+01	4.64E-07	7.44E-07	6.57E+01	1.96E+00	1.47E-02	3.17E-01	1.05E-01	3.25E+00	2.86E+02	1.27E+01	3.51E-06	8.52E-07	4.12E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.36E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HHS125DC	1.18E-01	1.12E+01	-1.78E-01	1.14E+01	2.87E-05	0.00E+00	4.16E+03	6.63E-04	1.27E-02	1.27E-01	1.10E-02	4.21E+01	4.64E-07	7.44E-07	6.57E+01	1.96E+00	1.47E-02	3.17E-01	1.05E-01	3.25E+00	2.85E+02	1.27E+01	3.51E-06	8.52E-07	4.12E-02	1.33E-03	6.28E+00	5.19E+00	2.99E+02	2.20E-03	2.99E+02	3.09E+02	1.19E+01	0.00E+00	0.00E+00	2.17E-04	4.56E+00
HHS125DR	1.25E-01	1.52E+01	-9.59E-02	1.51E+01	1.95E-05	0.00E+00	3.82E+03	1.02E-03	2.01E-02	2.12E-01	1.19E-02	5.30E+01	6.20E-07	1.06E-06	8.00E+01	2.70E+00	1.68E-02	4.65E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.03E-06	1.02E-06	7.34E-02	1.21E-03	5.97E+00	4.76E+00	3.67E+02	1.47E-03	3.67E+02	3.77E+02	1.10E+01	0.00E+00	0.00E+00	1.31E-04	5.66E+00
HHS126BC	1.20E-01	1.12E+01	-1.94E-01	1.14E+01	6.52E-05	0.00E+00	4.20E+03	6.68E-04	1.28E-02	1.28E-01	1.27E-02	5.39E+01	4.16E-07	9.77E-07	9.51E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.81E-07	4.11E-02	1.80E-03	6.71E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.16E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.99E+00
HHS126DC	1.20E-01	1.12E+01	-1.91E-01	1.14E+01	6.52E-05	0.00E+00	4.20E+03	6.68E-04	1.28E-02	1.30E-01	1.27E-02	5.39E+01	4.12E-07	9.77E-07	9.51E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.68E-06	9.81E-07	4.13E-02	1.80E-03	6.72E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.16E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.99E+00
HHS126DR	1.30E-01	1.53E+01	-9.08E-02	1.53E+01	5.76E-05	0.00E+00	3.88E+03	1.02E-03	2.08E-02	2.24E-01	1.58E-02	7.72E+01	5.62E-07	1.13E-06	1.02E+02	2.76E+00	2.15E-02	4.72E-01	1.58E-01	3.48E+00	3.60E+02	1.45E+01	4.05E-06	1.29E-06	7.40E-02	1.73E-03	6.82E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HHS127DC	1.20E-01	1.12E+01	-1.91E-01	1.14E+01	6.53E-05	0.00E+00	4.20E+03	6.68E-04	1.28E-02	1.30E-01	1.27E-02	5.41E+01	4.12E-07	9.77E-07	9.51E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.68E-06	9.81E-07	4.13E-02	1.80E-03	6.72E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.16E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.99E+00
HHS160BC	1.17E-01	1.12E+01	-1.94E-01	1.14E+01	3.04E-05	0.00E+00	4.32E+03	6.65E-04	1.28E-02	1.28E-01	1.10E-02	4.40E+01	4.64E-07	7.40E-07	6.63E+01	1.97E+00	1.46E-02	3.17E-01	1.05E-01	3.20E+00	2.85E+02	1.27E+01	3.51E-06	8.28E-07	4.12E-02	1.33E-03	6.54E+00	5.22E+00	3.00E+02	2.36E-03	3.00E+02	3.10E+02	1.21E+01	0.00E+00	0.00E+00	2.17E-04	4.57E+00
HHS160DC	1.17E-01	1.12E+01	-1.94E-01	1.14E+01	3.04E-05	0.00E+00	4.32E+03	6.65E-04	1.28E-02	1.28E-01	1.10E-02	4.40E+01	4.64E-07	7.40E-07	6.63E+01	1.97E+00	1.46E-02	3.17E-01	1.05E-01	3.20E+00	2.85E+02	1.27E+01	3.51E-06	8.28E-07	4.12E-02	1.33E-03	6.54E+00	5.22E+00	3.00E+02	2.36E-03	3.00E+02	3.10E+02	1.21E+01	0.00E+00	0.00E+00	2.17E-04	4.57E+00
HHS160DR	1.25E-01	1.50E+01	-8.80E-02	1.50E+01	1.94E-05	0.00E+00	3.93E+03	1.02E-03	1.99E-02	2.09E-01	1.19E-02	5.50E+01	5.90E-07	1.06E-06	8.06E+01	2.71E+00	1.68E-02	4.59E-01	1.31E-01	2.65E+00	3.44E+02	1.22E+01	4.03E-06	1.02E-06	6.93E-02	1.21E-03	6.07E+00	4.62E+00	3.62E+02	1.44E-03	3.62E+02	3.71E+02	1.09E+01	0.00E+00	0.00E+00	1.24E-04	5.65E+00
HHS161BC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.52E-05	0.00E+00	4.35E+03	6.70E-04	1.30E-02	1.30E-01	1.27E-02	5.62E+01	4.16E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.68E-06	9.63E-07	4.11E-02	1.80E-03	6.74E+00	5.37E+00	3.03E+02	2.18E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HHS161DC	1.19E-01	1.12E+01	-2.02E-01	1.14E+01	6.50E-05	0.00E+00	4.78E+03	6.72E-04	1.32E-02	1.32E-01	1.27E-02	5.60E+01	4.18E-07	9.76E-07	9.53E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.66E+00	2.88E+02	1.40E+01	3.69E-06	9.63E-07	4.00E-02	1.81E-03	6.75E+00	5.73E+00	3.03E+02	2.06E-03	3.03E+02	3.15E+02	1.28E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HHS161DR	1.30E-01	1.51E+01	-8.35E-02	1.52E+01	5.76E-05	0.00E+00	3.96E+03	1.02E-03	2.06E-02	2.22E-01	1.58E-02	7.89E+01	5.39E-07	1.12E-06	1.02E+02	2.76E+00	2.15E-02	4.63E-01	1.58E-01	3.47E+00	3.55E+02	1.46E+01	4.05E-06	1.29E-06	6.98E-02	1.73E-03	6.88E+00	5.05E+00	3.71E+02	1.65E-03	3.71E+02	3.79E+02	1.24E+01	0.00E+00	0.00E+00	1.26E-04	6.86E+00
HHS162DC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.53E-05	0.00E+00	4.35E+03	6.70E-04	1.31E-02	1.32E-01	1.27E-02	5.63E+01	4.12E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.69E-06	9.63E-07	4.14E-02	1.80E-03	6.75E+00	5.37E+00	3.03E+02	2.08E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HHT050DR	1.69E-01	1.62E+01	-1.93E-01	1.62E+01	5.61E-05	0.00E+00	6.21E+03	9.04E-04	1.79E-02	1.87E-01	1.68E-02	7.97E+01	3.55E-07	1.37E-06	1.28E+02	2.67E+00	2.28E-02	4.69E-01	1.89E-01	3.94E+00	3.75E+02	1.59E+01	4.01E-06	1.36E-06	6.95E-02	2.06E-03	7.48E+00	6.28E+00	3.91E+02	1.78E-03	3.91E+02	4.15E+02	1.35E+01	0.00E+00	0.00E+00	4.12E-05	8.02E+00
HHT051DR	1.79E-01	1.61E+01	-2.48E-01	1.61E+01	5.51E-05	0.00E+00	6.97E+03	1.13E-03	1.89E-02	1.94E-01	1.93E-02	7.91E+01	3.66E-07	1.55E-06	1.49E+02	3.36E+00	2.59E-02	4.70E-01	2.09E-01	4.01E+00	3.73E+02	1.77E+01	3.97E-06	1.35E-06	6.94E-02	2.09E-03	8.01E+00	6.84E+00	3.91E+02	1.61E-03	3.91E+02	4.09E+02	1.50E+01	0.00E+00	0.00E+00	3.69E-05	8.95E+00
HHT063DR	1.68E-01	1.62E+01	-1.93E-01	1.62E+01	5.61E-05	0.00E+00	6.21E+03	9.04E-04	1.79E-02	1.87E-01	1.68E-02	7.97E+01	3.55E-07	1.37E-06	1.28E+02	2.67E+00	2.28E-02	4.69E-01	1.89E-01	3.94E+00	3.75E+02	1.59E+01	4.01E-06	1.36E-06	6.95E-02	2.05E-03	7.48E+00	6.28E+00	3.91E+02	1.78E-03	3.91E+02	4.15E+02	1.35E+01	0.00E+00	0.00E+00	4.12E-05	8.02E+00
HHT064DR	1.78E-01	1.61E+01	-2.18E-01	1.61E+01	5.55E-05	0.00E+00	6.54E+03	1.13E-03	1.89E-02	1.94E-01	1.92E-02	7.96E+01	3.60E-07	1.55E-06	1.49E+02	3.35E+00	2.59E-02	4.71E-01	2.10E-01	3.97E+00	3.75E+02	1.68E+01	3.97E-06	1.36E-06	6.95E-02	2.07E-03	7.83E+00	6.50E+00	3.91E+02	1.48E-03	3.91E+02	4.09E+02	1.47E+01	0.00E+00	0.00E+00	3.39E-05	8.96E+00
HHT100BR	1.84E-01	1.67E+01	-1.89E-01	1.89E+01	5.82E-05	0.00E+00	6.23E+03	9.24E-04	1.91E-02	2.04E-01	2.06E-02	8.39E+01	1.08E-06	1.65E-06	1.56E+02	2.69E+00	3.03E-02	5.00E-01	2.09E-01	4.64E+00	4.04E+02	1.68E+01	4.50E-06	1.41E-06	7.63E-02	2.06E-03	8.13E+00	6.72E+00	4.25E+02	2.17E-03	4.25E+02	4.34E+02	1.46E+01	0.00E+00	0.00E+00	6.32E-05	8.99E+00
HHT100DR	1.69E-01	1.62E+01	-1.93E-01	1.64E+01	5.61E-05	0.00E+00	6.21E+03	9.11E-04	1.79E-02	1.89E-01	1.69E-02	7.97E+01	3.56E-07	1.40E-06	1.30E+02	2.68E+00	2.34E-02	4.79E-01	1.91E-01	4.00E+00	3.77E+02	1.61E+01	4.02E-06	1.37E-06	7.04E-02	2.06E-03	7.48E+00	6.34E+00	3.91E+02	1.89E-03	3.91E+02	4.15E+02	1.35E+01	0.00E+00	0.00E+00	4.13E-05	8.10E+00
HHT101BR	1.80E-01	1.62E+01	-2.48E-01	1.64E+01	5.51E-05	0.00E+00	6.97E+03	1.13E-03	1.89E-02	1.98E-01	1.95E-02	7.91E+01	3.67E-07	1.58E-06	1.51E+02	3.37E+00	2.70E-02	4.79E-01	2.12E-01	4.10E+00	3.76E+02	1.80E+01	4.05E-06	1.37E-06	7.08E-02	2.09E-03	8.06E+00	6.90E+00	3.91E+02	1.90E-03	3.91E+02	4.15E+02	1.50E+01	0.00E+00	0.00E+00	3.81E-05	9.06E+00
HHT101DR	1.80E-01	1.62E+01	-2.48E-01	1.62E+01	5.51E-05	0.00E+00	6.97E+03	1.13E-03	1.89E-02	1.96E-01	1.94E-02	7.91E+01	3.66E-07	1.56E-06	1.49E+02	3.36E+00	2.63E-02	4.70E-01	2.10E-01	4.05E+00	3.75E+02	1.78E+01	4.05E-06	1.35E-06	6.99E-02	2.09E-03	8.06E+00	6.84E+00	3.91E+02	1.79E-03	3.91E+02	4.15E+02	1.50E+01	0.00E+00	0.00E+00	3.80E-05	8.99E+00
HHT102DR	1.97E-01	1.67E+01	-2.42E-01	1.92E+01	6.22E-05	0.00E+00	7.06E+03	1.13E-03	2.02E-02	2.16E-01	2.24E-02	7.36E+01	1.13E-06	1.80E-06	1.80E+02	3.39E+00	3.27E-02	5.04E-01	2.36E-01	4.87E+00	4.06E+02	1.86E+01	4.53E-06	1.27E-06	7.74E-02	2.06E-03	8.63E+00	7.23E+00	4.32E+02	2.40E-03	4.32E+02	4.37E+02	1.61E+01	0.00E+00	0.00E+00	1.05E-04	9.94E+00
HHT125BR	1.84E-01	1.67E+01	-1.89E-01	1.89E+01	5.82E-05	0.00E+00	6.23E+03	9.24E-04	1.91E-02	2.04E-01	2.06E-02	8.39E+01	1.07E-06	1.65E-06	1.56E+02	2.69E+00	3.03E-02	5.00E-01	2.09E-01	4.64E+00	4.04E+02	1.68E+01	4.52E-06	1.41E-06	7.62E-02	2.06E-03	8.13E+00	6.72E+00	4.25E+02	2.17E-03	4.25E+02	4.34E+02	1.46E+01	0.00E+00	0.00E+00	6.32E-05	8.99E+00
HHT125DR	1.60E-01	1.61E+01	-1.71E-01	1.61E+01	5.57E-05	0.00E+00	5.71E+03	8.90E-04	1.70E-02	1.68E-01	1.59E-02	8.04E+01	3.42E-07	1.34E-06	1.27E+02	2.65E+00	2.13E-02	4.70E-01	1.86E-01	3.73E+00	3.69E+02	1.22E+01	3.96E-06	1.40E-06	6.89E-02	1.97E-03	6.50E+00	5.56E+00	3.84E+02	1.46E-03	3.84E+02	4.05E+02	1.21E+01	0.00E+00	0.00E+00	3.70E-05	7.92E+00
HHT126BR	1.80E-01	1.62E+01	-2.48E-01	1.64E+01	5.51E-05	0.00E+00	6.97E+03	1.13E-03	1.89E-02	1.98E-01	1.95E-02	7.91E+01	3.61E-07	1.58E-06	1.51E+02	3.37E+00	2.70E-02	4.79E-01	2.12E-01	4.10E+00	3.76E+02	1.80E+01	4.06E-06	1.37E-06	7.08E-02	2.09E-03	8.06E+00	6.90E+00	3.91E+02	1.90E-03	3.91E+02	4.15E+02	1.50E+01	0.00E+00	0.00E+00	3.81E-05	9.06E+00
HHT126DR	1.79E-01	1.61E+01	-2.14E-01	1.61E+01	5.57E-05	0.00E+00	6.57E+03	1.13E-03	1.89E-02	1.93E-01	1.92E-02	7.96E+01	3.54E-07	1.55E-06	1.49E+02	3.36E+00	2.59E-02	4.71E-01	2.10E-01	3.96E+00	3.75E+02	1.68E+01	3.99E-06	1.35E-06	6.94E-02	2.06E-03	7.83E+00	6.42E+00	3.91E+02	1.49E-03	3.91E+02	4.10E+02	1.46E+01	0.00E+00	0.00E+00	3.39E-05	8.96E+00
HHT127DR	1.97E-01	1.67E+01	-2.39E-01	1.92E+01	6.24E-05	0.00E+00	7.09E+03	1.13E-03	2.02E-02	2.15E-01	2.24E-02	7.38E+01	1.12E-06	1.80E-06	1.80E+02	3.40E+00	3.27E-02	5.04E-01	2.36E-01	4.86E+00	4.06E+02	1.86E+01	4.54E-06	1.27E-06	7.74E-02	2.05E-03	8.63E+00	7.14E+00	4.32E+02	2.42E-03	4.32E+02	4.37E+02	1.60E+01	0.00E+00	0.00E+00	1.05E-04	9.94E+00
HHT160BR	1.84E-01	1.67E+01	-1.83E-01	1.89E+01	5.83E-05	0.00E+00	6.25E+03	9.24E-04	1.91E-02	2.04E-01	2.06E-02	8.41E+01	1.07E-06	1.65E-06	1.56E+02	2.69E+00	3.03E-02	5.00E-01	2.09E-01	4.64E+00	4.04E+02	1.68E+01	4.52E-06	1.41E-06	7.63E-02	2.06E-03	8.14E+00	6.72E+00	4.25E+02	2.17E-03	4.25E+02	4.34E+02	1.46E+01	0.00E+00	0.00E+00	6.32E-05	8.99E+00
HHT160DR	1.69E-01	1.62E+01	-1.88E-01	1.64E+01	5.61E-05	0.00E+00	6.23E+03	9.11E-04	1.79E-02	1.89E-01	1.69E-02	7.99E+01	3.50E-07	1.40E-06	1.30E+02	2.68E+00	2.34E-02	4.79E-01	1.91E-01	4.00E+00	3.77E+02	1.61E+01	4.03E-06	1.37E-06	7.05E-02	2.06E-03	7.50E+00	6.34E+00	3.91E+02	1.88E-03	3.91E+02	4.15E+02	1.35E+01	0.00E+00	0.00E+00	4.13E-05	8.10E+00
HHT161BR	1.80E-01	1.62E+01	-2.47E-01	1.64E+01	5.51E-05	0.00E+00	6.97E+03	1.13E-03	1.89E-02	1.99E-01	1.95E-02	7.91E+01	3.61E-07	1.58E-06	1.51E+02	3.37E+00	2.69E-02	4.79E-01	2.12E-01	4.10E+00	3.76E+02	1.80E+01	4.06E-06	1.37E-06	7.09E-02	2.09E-03	8.06E+00	6.90E+00	3.91E+02	1.90E-03	3.91E+02	4.15E+02	1.50E+01	0.00E+00	0.00E+00	3.81E-05	9.06E+00
HHT161DR	1.71E-01	1.61E+01	-2.16E-01	1.61E+01	5.48E-05	0.00E+00	6.47E+03	1.12E-03	1.80E-02	1.75E-01	1.82E-02	7.98E+01	3.54E-07	1.53E-06	1.48E+02	3.34E+00	2.46E-02	4.56E-01	2.07E-01	3.84E+00	3.63E+02	1.39E+01	3.99E-06	1.41E-06	6.94E-02	2.00E-03	6.96E+00	3.98E+00	3.78E+02	1.40E-03	3.78E+02	3.95E+02	1.02E+01	0.00E+00	0.00E+00	3.39E-05	8.87E+00
HHT162DR	1.98E-01	1.67E+01	-2.40E-01	1.92E+01	6.22E-05	0.00E+00	7.06E+03	1.13E-03	2.02E-02	2.16E-01	2.24E-02	7.38E+01	1.12E-06	1.80E-06	1.80E+02	3.39E+00	3.27E-02	5.04E-01	2.36E-01	4.87E+00	4.06E+02	1.86E+01	4.54E-06	1.27E-06	7.75E-02	2.06E-03	8.63E+00	7.23E+00	4.32E+02	2.40E-03	4.32E+02	4.37E+02	1.61E+01	0.00E+00	0.00E+00	1.05E-04	9.94E+00
HHT200BR	1.83E-01	1.65E+01	-1.68E-01	1.88E+01	5.84E-05	0.00E+00	6.00E+03	9.27E-04	1.87E-02	2.00E-01	2.06E-02	8.49E+01	9.74E-07	1.65E-06	1.56E+02	2.71E+00	3.03E-02	4.88E-01	2.09E-01	4.63E+00	3.98E+02	1.66E+01	4.53E-06	1.41E-06	6.88E-02	2.03E-03	8.07E+00	6.54E+00	4.17E+02	2.17E-03	4.17E+02	4.25E+02	1.43E+01	0.00E+00	0.00E+00	6.13E-05	9.00E+00
HHT200DR	1.68E-01	1.60E+01	-1.70E-01	1.63E+01	5.63E-05	0.00E+00	6.27E+03	9.13E-04	1.74E-02	1.85E-01	1.69E-02	8.07E+01	2.53E-07	1.40E-06	1.30E+02	2.69E+00	2.33E-02	4.66E-01	1.91E-01	3.99E+00	3.71E+02	1.61E+01	4.04E-06	1.38E-06	6.21E-02	2.05E-03	7.43E+00	6.16E+00	3.82E+02	1.89E-03	3.82E+02	4.06E+02	1.31E+01	0.00E+00	0.00E+00	4.81E-05	8.11E+00
HHT201BR	1.80E-01	1.60E+01	-2.26E-01	1.63E+01	5.55E-05	0.00E+00	6.74E+03	1.14E-03	1.85E-02	1.94E-01	1.94E-02	7.99E+01	2.61E-07	1.58E-06	1.51E+02	3.38E+00	2.69E-02	4.66E-01	2.13E-01	4.09E+00	3.71E+02	1.78E+01	4.07E-06	1.37E-06	6.25E-02	2.07E-03	8.01E+00	6.73E+00	3.82E+02	1.90E-03	3.82E+02	4.05E+02	1.46E+01	0.00E+00	0.00E+00	3.57E-05	9.08E+00
HHT201DR	1.81E-01	1.61E+01	-2.65E-01	1.64E+01	5.28E-05	0.00E+00	8.26E+03	1.15E-03	1.76E-02	1.92E-01	1.96E-02	7.36E+01	1.56E-07	1.52E-06	1.49E+02	3.43E+00	2.65E-02	4.61E-01	2.05E-01	3.92E+00	3.76E+02	1.99E+01	3.90E-06	1.23E-06	6.19E-02	1.97E-03	8.13E+00	7.14E+00	3.96E+02	1.20E-03	3.96E+02	4.11E+02	1.53E+01	0.00E+00	0.00E+00	0.00E+00	8.80E+00
HHT202DR	1.97E-01	1.65E+01	-2.21E-01	1.91E+01	6.26E-05	0.00E+00	7.10E+03	1.13E-03	1.98E-02	2.11E-01	2.23E-02	7.53E+01	1.03E-06	1.80E-06	1.79E+02	3.41E+00	3.27E-02	4.92E-01	2.36E-01	4.86E+00	4.00E+02	1.85E+01	4.55E-06	1.26E-06	7.00E-02	2.05E-03	8.59E+00	7.06E+00	4.24E+02	2.40E-03	4.24E+02	4.29E+02	1.57E+01	0.00E+00	0.00E+00	1.12E-04	9.95E+00
HHT250BR	1.86E-01	1.65E+01	-1.81E-01	1.88E+01	5.79E-05	0.00E+00	6.67E+03	9.27E-04	1.86E-02	2.00E-01	2.07E-02	8.39E+01	1.07E-06	1.65E-06	1.56E+02	2.72E+00	3.03E-02	4.85E-01	2.09E-01	4.65E+00	3.95E+02	1.74E+01	4.53E-06	1.41E-06	6.87E-02	2.08E-03	8.18E+00	6.88E+00	4.15E+02	2.17E-03	4.15E+02	4.24E+02	1.46E+01	0.00E+00	0.00E+00	6.32E-05	9.00E+00
HHT250DR	1.71E-01	1.61E+01	-1.86E-01	1.63E+01	5.57E-05	0.00E+00	6.65E+03	9.13E-04	1.73E-02	1.85E-01	1.70E-02	7.97E+01	3.49E-07	1.40E-06	1.31E+02	2.71E+00	2.34E-02	4.64E-01	1.91E-01	4.01E+00	3.67E+02	1.67E+01	4.04E-06	1.37E-06	6.19E-02	2.08E-03	7.55E+00	6.49E+00	3.80E+02	1.89E-03	3.80E+02	4.04E+02	1.35E+01	0.00E+00	0.00E+00	4.13E-05	8.11E+00
HHT251BR	1.83E-01	1.61E+01	-2.49E-01	1.63E+01	5.47E-05	0.00E+00	7.38E+03	1.14E-03	1.84E-02	1.94E-01	1.96E-02	7.90E+01	3.61E-07	1.59E-06	1.52E+02	3.37E+00	2.71E-02	4.64E-01	2.12E-01	4.12E+00	3.67E+02	1.85E+01	4.07E-06	1.36E-06	6.23E-02	2.11E-03	8.11E+00	7.05E+00	3.80E+02	1.91E-03	3.80E+02	4.04E+02	1.51E+01	0.00E+00	0.00E+00	3.81E-05	9.07E+00
HHT251DR	1.82E-01	1.61E+01	-2.69E-01	1.64E+01	5.28E-05	0.00E+00	7.71E+03	1.15E-03	1.75E-02	1.91E-01	1.95E-02	7.75E+01	1.61E-07	1.53E-06	1.48E+02	3.41E+00	2.64E-02	4.66E-01	2.06E-01	3.80E+00	3.70E+02	1.94E+01	4.01E-06	1.32E-06	6.17E-02	1.85E-03	8.01E+00	7.13E+00	3.89E+02	1.36E-03	3.89E+02	4.04E+02	1.51E+01	0.00E+00	0.00E+00	0.00E+00	8.86E+00
HHT252DR	2.00E-01	1.66E+01	-2.42E-01	1.91E+01	6.19E-05	0.00E+00	7.47E+03	1.13E-03	1.97E-02	2.12E-01	2.24E-02	7.51E+01	1.12E-06	1.80E-06	1.80E+02	3.40E+00	3.28E-02	4.89E-01	2.36E-01	4.88E+00	3.97E+02	1.91E+01	4.55E-06	1.26E-06	7.00E-02	2.08E-03	8.69E+00	7.38E+00	4.22E+02	2.41E-03	4.22E+02	4.27E+02	1.62E+01	0.00E+00	0.00E+00	1.05E-04	9.94E+00
HHW250DR	4.51E-01	3.80E+01	6.47E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.27E-02	4.55E-01	4.84E-02	2.17E+02	9.79E-06	3.95E-06	3.62E+02	4.26E+00	6.54E-02	9.52E-01	4.90E-01	1.51E+01	7.70E+02	2.69E+01	8.51E-06	3.30E-06	1.53E-01	6.52E-03	2.14E+01	1.15E+01	8.01E+02	1.45E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.15E-04	2.10E+01
HHW251DR	5.68E-01	4.76E+01	8.71E-02	4.75E+01	1.44E-04	0.00E+00	1.21E+04	2.72E-03	5.32E-02	5.70E-01	6.07E-02	2.78E+02	9.85E-06	5.03E-06	4.59E+02	8.31E+00	8.19E-02	1.27E+00	6.16E-01	1.87E+01	9.74E+02	3.46E+01	1.00E-05	4.08E-06	1.93E-01	8.02E-03	2.66E+01	1.35E+01	1.01E+03	1.83E-02	1.01E+03	1.04E+03	4.01E+01	0.00E+00	0.00E+00	6.47E-04	2.65E+01
HHW320DR	4.51E-01	3.80E+01	6.47E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.27E-02	4.55E-01	4.84E-02	2.17E+02	9.79E-06	3.95E-06	3.62E+02	4.26E+00	6.54E-02	9.52E-01	4.90E-01	1.51E+01	7.70E+02	2.69E+01	8.51E-06	3.30E-06	1.53E-01	6.52E-03	2.14E+01	1.15E+01	8.01E+02	1.45E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.15E-04	2.10E+01
HHW321DR	5.67E-01	4.75E+01	8.58E-02	4.75E+01	1.45E-04	0.00E+00	1.22E+04	2.72E-03	5.31E-02	5.70E-01	6.07E-02	2.78E+02	9.85E-06	5.04E-06	4.59E+02	8.32E+00	8.18E-02	1.26E+00	6.15E-01	1.86E+01	9.73E+02	3.46E+01	1.00E-05	4.08E-06	1.92E-01	8.03E-03	2.66E+01	1.35E+01	1.01E+03	1.83E-02	1.01E+03	1.04E+03	4.00E+01	0.00E+00	0.00E+00	6.47E-04	2.65E+01
HHW400DR	4.52E-01	3.79E+01	4.78E-03	3.78E+01	1.04E-04	0.00E+00	8.85E+03	1.50E-03	4.26E-02	4.55E-01	4.83E-02	2.18E+02	9.79E-06	3.93E-06	3.59E+02	4.67E+00	6.51E-02	9.54E-01	4.89E-01	1.51E+01	7.69E+02	2.68E+01	8.42E-06	3.30E-06	1.53E-01	6.51E-03	2.15E+01	1.15E+01	8.00E+02	1.46E-02	8.00E+02	8.34E+02	3.30E+01	0.00E+00	0.00E+00	4.81E-04	2.09E+01
HHW401DR	5.71E-01	4.76E+01	8.63E-02	4.76E+01	1.43E-04	0.00E+00	1.20E+04	2.72E-03	5.32E-02	5.72E-01	6.06E-02	2.78E+02	9.85E-06	5.03E-06	4.59E+02	8.31E+00	8.19E-02	1.26E+00	6.16E-01	1.86E+01	9.73E+02	3.40E+01	9.98E-06	4.11E-06	1.93E-01	8.02E-03	2.66E+01	1.34E+01	1.01E+03	1.85E-02	1.01E+03	1.04E+03	4.02E+01	0.00E+00	0.00E+00	6.34E-04	2.65E+01
HMJ250DR	4.48E-01	3.79E+01	2.51E-02	3.77E+01	1.04E-04	0.00E+00	8.95E+03	1.94E-03	4.25E-02	4.53E-01	4.82E-02	2.13E+02	9.79E-06	3.89E-06	3.56E+02	5.94E+00	6.50E-02	9.76E-01	4.88E-01	1.51E+01	7.67E+02	2.70E+01	8.46E-06	3.28E-06	1.52E-01	6.49E-03	2.13E+01	1.14E+01	7.99E+02	1.39E-02	7.99E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.57E-04	2.09E+01
HMJ251DR	5.65E-01	4.76E+01	1.11E-01	4.74E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.30E-02	5.68E-01	6.06E-02	2.75E+02	9.85E-06	4.97E-06	4.54E+02	8.30E+00	8.17E-02	1.29E+00	6.16E-01	1.87E+01	9.70E+02	3.48E+01	1.00E-05	4.06E-06	1.92E-01	7.99E-03	2.66E+01	1.34E+01	1.00E+03	1.77E-02	1.00E+03	1.04E+03	4.02E+01	0.00E+00	0.00E+00	6.73E-04	2.65E+01

HMJ320BR	4.28E-01	3.74E+01	2.24E-02	3.74E+01	1.03E-04	0.00E+00	8.89E+03	1.38E-03	4.23E-02	4.55E-01	4.76E-02	2.15E+02	9.33E-06	3.90E-06	3.59E+02	4.27E+00	6.50E-02	9.47E-01	4.83E-01	1.50E+01	7.68E+02	2.67E+01	8.51E-06	3.24E-06	1.51E-01	6.47E-03	2.13E+01	1.14E+01	7.99E+02	1.40E-02	7.99E+02	8.30E+02	3.22E+01	0.00E+00	0.00E+00	5.17E-04	2.07E+01
HMJ320DR	4.48E-01	3.79E+01	2.51E-02	3.77E+01	1.04E-04	0.00E+00	8.95E+03	1.94E-03	4.25E-02	4.53E-01	4.82E-02	2.13E+02	9.79E-06	3.89E-06	3.56E+02	5.94E+00	6.50E-02	9.76E-01	4.88E-01	1.51E+01	7.67E+02	2.70E+01	8.46E-06	3.28E-06	1.52E-01	6.49E-03	2.13E+01	1.14E+01	7.99E+02	1.39E-02	7.99E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.57E-04	2.09E+01
HMJ321DR	5.64E-01	4.75E+01	1.10E-01	4.74E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.31E-02	5.69E-01	6.05E-02	2.75E+02	9.85E-06	4.97E-06	4.54E+02	8.30E+00	8.16E-02	1.28E+00	6.16E-01	1.87E+01	9.71E+02	3.47E+01	1.00E-05	4.06E-06	1.92E-01	7.99E-03	2.67E+01	1.34E+01	1.00E+03	1.77E-02	1.00E+03	1.04E+03	4.02E+01	0.00E+00	0.00E+00	6.73E-04	2.65E+01
HMJ400DR	4.35E-01	3.67E+01	9.62E-03	3.67E+01	9.94E-05	0.00E+00	8.42E+03	2.06E-03	4.11E-02	4.40E-01	4.68E-02	2.05E+02	9.79E-06	3.72E-06	3.42E+02	6.35E+00	6.34E-02	9.70E-01	4.73E-01	1.46E+01	7.50E+02	2.62E+01	8.11E-06	3.15E-06	1.48E-01	6.27E-03	2.07E+01	1.11E+01	7.76E+02	1.31E-02	7.76E+02	8.08E+02	3.19E+01	0.00E+00	0.00E+00	5.54E-04	2.03E+01
HMJ401DR	5.68E-01	4.76E+01	1.11E-01	4.75E+01	1.41E-04	0.00E+00	1.19E+04	2.72E-03	5.32E-02	5.70E-01	6.04E-02	2.75E+02	9.85E-06	4.96E-06	4.55E+02	8.30E+00	8.17E-02	1.28E+00	6.17E-01	1.87E+01	9.71E+02	3.40E+01	9.96E-06	4.09E-06	1.92E-01	7.97E-03	2.67E+01	1.34E+01	1.00E+03	1.78E-02	1.00E+03	1.04E+03	4.03E+01	0.00E+00	0.00E+00	6.60E-04	2.65E+01
HMJ500BR	4.36E-01	3.78E+01	3.20E-02	3.77E+01	1.03E-04	0.00E+00	8.87E+03	1.38E-03	4.27E-02	4.58E-01	4.80E-02	2.22E+02	9.33E-06	3.96E-06	3.68E+02	4.28E+00	6.52E-02	9.23E-01	4.86E-01	1.52E+01	7.68E+02	2.68E+01	8.61E-06	3.30E-06	1.52E-01	6.51E-03	2.15E+01	1.15E+01	8.05E+02	1.57E-02	8.05E+02	8.33E+02	3.24E+01	0.00E+00	0.00E+00	4.18E-04	2.07E+01
HMJ630DE	4.58E-01	3.75E+01	2.73E-02	3.75E+01	9.89E-05	0.00E+00	8.53E+03	1.22E-03	4.24E-02	4.53E-01	4.83E-02	2.30E+02	9.79E-06	3.96E-06	3.73E+02	3.78E+00	6.54E-02	8.59E-01	4.81E-01	1.50E+01	7.62E+02	2.64E+01	8.58E-06	3.31E-06	1.53E-01	6.47E-03	2.16E+01	1.13E+01	7.89E+02	1.76E-02	7.89E+02	8.21E+02	3.28E+01	0.00E+00	0.00E+00	3.32E-04	2.07E+01
HMS025BC	1.16E-01	1.12E+01	-1.86E-01	1.13E+01	2.83E-05	0.00E+00	3.99E+03	6.33E-04	1.09E-02	1.05E-01	1.08E-02	4.09E+01	4.63E-07	7.48E-07	6.59E+01	1.92E+00	1.45E-02	2.67E-01	1.05E-01	3.15E+00	2.22E+02	1.07E+01	3.50E-06	8.66E-07	3.95E-02	1.29E-03	5.59E+00	4.78E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	1.11E+01	0.00E+00	0.00E+00	2.09E-04	4.56E+00
HMS025BR	1.25E-01	1.51E+01	-1.22E-01	1.50E+01	1.95E-05	0.00E+00	3.79E+03	1.01E-03	1.99E-02	2.10E-01	1.17E-02	5.27E+01	6.51E-07	1.05E-06	7.86E+01	2.70E+00	1.65E-02	4.62E-01	1.29E-01	2.71E+00	3.46E+02	1.22E+01	4.02E-06	1.03E-06	7.40E-02	1.20E-03	5.73E+00	4.63E+00	3.65E+02	1.47E-03	3.65E+02	3.75E+02	1.09E+01	0.00E+00	0.00E+00	1.23E-04	5.60E+00
HMS025DC	1.16E-01	1.12E+01	-1.83E-01	1.13E+01	2.83E-05	0.00E+00	3.99E+03	6.33E-04	1.09E-02	1.05E-01	1.08E-02	4.09E+01	4.63E-07	7.57E-07	6.59E+01	1.92E+00	1.45E-02	2.68E-01	1.05E-01	3.15E+00	2.22E+02	1.07E+01	3.49E-06	8.66E-07	3.95E-02	1.29E-03	5.59E+00	4.78E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	1.11E+01	0.00E+00	0.00E+00	2.17E-04	4.56E+00
HMS025DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.23E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.67E-01	1.31E-01	2.71E+00	3.49E+02	1.22E+01	4.01E-06	1.03E-06	7.40E-02	1.20E-03	5.96E+00	4.62E+00	3.67E+02	1.44E-03	3.67E+02	3.77E+02	1.09E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HMS026BC	1.20E-01	1.12E+01	-1.97E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.26E-01	1.27E-02	5.29E+01	4.12E-07	9.76E-07	9.50E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.27E+01	3.67E-06	9.85E-07	4.02E-02	1.78E-03	6.68E+00	5.30E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.14E-04	5.98E+00
HMS026BR	1.31E-01	1.54E+01	-1.33E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.60E-02	7.66E+01	5.69E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.61E-01	3.64E+00	3.62E+02	1.57E+01	4.10E-06	1.30E-06	7.60E-02	1.75E-03	7.07E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.28E-04	7.01E+00
HMS026DC	1.17E-01	1.12E+01	-1.81E-01	1.13E+01	6.41E-05	0.00E+00	4.02E+03	6.37E-04	1.10E-02	1.05E-01	1.24E-02	5.30E+01	4.11E-07	9.69E-07	9.46E+01	1.93E+00	1.63E-02	2.68E-01	1.40E-01	3.51E+00	2.24E+02	1.08E+01	3.67E-06	1.00E-06	3.95E-02	1.74E-03	5.77E+00	4.91E+00	2.30E+02	1.89E-03	2.30E+02	2.54E+02	1.14E+01	0.00E+00	0.00E+00	2.15E-04	5.95E+00
HMS026DR	1.31E-01	1.54E+01	-1.29E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.60E-02	7.63E+01	5.69E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.61E-01	3.64E+00	3.62E+02	1.57E+01	4.10E-06	1.30E-06	7.60E-02	1.75E-03	7.07E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.38E-04	7.01E+00
HMS040BC	1.16E-01	1.12E+01	-1.86E-01	1.13E+01	2.83E-05	0.00E+00	3.91E+03	6.33E-04	1.09E-02	1.05E-01	1.05E-02	4.14E+01	4.62E-07	7.61E-07	6.64E+01	1.92E+00	1.40E-02	2.67E-01	1.04E-01	3.14E+00	2.21E+02	1.07E+01	3.50E-06	8.59E-07	3.95E-02	1.29E-03	5.55E+00	4.65E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	1.04E+01	0.00E+00	0.00E+00	2.09E-04	4.54E+00
HMS040BR	1.25E-01	1.51E+01	-1.22E-01	1.50E+01	1.95E-05	0.00E+00	3.79E+03	1.01E-03	2.00E-02	2.11E-01	1.19E-02	5.32E+01	6.51E-07	1.05E-06	7.98E+01	2.70E+00	1.67E-02	4.65E-01	1.31E-01	2.71E+00	3.48E+02	1.22E+01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.85E+00	4.66E+00	3.67E+02	1.47E-03	3.67E+02	3.76E+02	1.09E+01	0.00E+00	0.00E+00	1.23E-04	5.65E+00
HMS040DC	1.16E-01	1.12E+01	-1.83E-01	1.13E+01	2.83E-05	0.00E+00	3.99E+03	6.33E-04	1.09E-02	1.05E-01	1.08E-02	4.15E+01	4.63E-07	7.48E-07	6.61E+01	1.92E+00	1.45E-02	2.67E-01	1.05E-01	3.15E+00	2.22E+02	1.07E+01	3.50E-06	8.59E-07	3.95E-02	1.29E-03	5.59E+00	4.78E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	1.11E+01	0.00E+00	0.00E+00	2.17E-04	4.56E+00
HMS040DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.01E-03	2.00E-02	2.11E-01	1.19E-02	5.29E+01	6.23E-07	1.06E-06	8.00E+01	2.70E+00	1.68E-02	4.67E-01	1.31E-01	2.71E+00	3.49E+02	1.22E+01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.96E+00	4.62E+00	3.67E+02	1.44E-03	3.67E+02	3.77E+02	1.09E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HMS041BC	1.17E-01	1.11E+01	-1.84E-01	1.12E+01	6.41E-05	0.00E+00	3.94E+03	6.38E-04	1.10E-02	1.05E-01	1.21E-02	5.32E+01	4.10E-07	9.70E-07	9.47E+01	1.93E+00	1.59E-02	2.66E-01	1.39E-01	3.50E+00	2.23E+02	1.08E+01	3.67E-06	9.95E-07	3.96E-02	1.74E-03	5.75E+00	4.78E+00	2.30E+02	1.98E-03	2.30E+02	2.54E+02	1.07E+01	0.00E+00	0.00E+00	2.07E-04	5.93E+00
HMS041BR	1.31E-01	1.54E+01	-1.32E-01	1.55E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.51E-02	6.55E+01	6.08E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.80E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.59E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HMS041DC	1.19E-01	1.11E+01	-1.80E-01	1.12E+01	6.41E-05	0.00E+00	4.03E+03	6.46E-04	1.15E-02	1.14E-01	1.25E-02	5.34E+01	4.12E-07	9.72E-07	9.50E+01	1.94E+00	1.65E-02	2.86E-01	1.40E-01	3.51E+00	2.44E+02	1.08E+01	3.67E-06	9.79E-07	3.97E-02	1.74E-03	5.93E+00	5.26E+00	2.53E+02	1.89E-03	2.53E+02	2.73E+02	1.17E+01	0.00E+00	0.00E+00	2.15E-04	5.95E+00
HMS041DR	1.29E-01	1.52E+01	-1.14E-01	1.53E+01	5.54E-05	0.00E+00	3.87E+03	1.02E-03	2.07E-02	2.24E-01	1.57E-02	7.68E+01	5.66E-07	1.12E-06	1.02E+02	2.76E+00	2.15E-02	4.72E-01	1.58E-01	3.47E+00	3.59E+02	1.45E+01	4.05E-06	1.29E-06	7.45E-02	1.73E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HMS050BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.55E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HMS050BR	1.25E-01	1.52E+01	-1.22E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.30E+01	6.52E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.65E-01	1.31E-01	2.71E+00	3.49E+02	1.22E+01	4.02E-06	1.03E-06	7.40E-02	1.20E-03	5.92E+00	4.76E+00	3.68E+02	1.47E-03	3.68E+02	3.77E+02	1.10E+01	0.00E+00	0.00E+00	1.23E-04	5.65E+00
HMS051BC	1.20E-01	1.12E+01	-1.98E-01	1.14E+01	6.53E-05	0.00E+00	4.15E+03	6.68E-04	1.26E-02	1.27E-01	1.27E-02	5.29E+01	4.12E-07	9.76E-07	9.50E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.82E-07	4.02E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.98E+00
HMS051BR	1.31E-01	1.54E+01	-1.32E-01	1.56E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.54E+01	6.08E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.60E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HMS063BC	1.18E-01	1.12E+01	-1.99E-01	1.13E+01	3.03E-05	0.00E+00	4.12E+03	6.50E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.70E-07	7.44E-07	6.55E+01	1.92E+00	1.47E-02	3.13E-01	1.05E-01	3.25E+00	2.85E+02	1.26E+01	3.48E-06	8.75E-07	4.00E-02	1.32E-03	6.50E+00	5.20E+00	3.01E+02	2.35E-03	3.01E+02	3.11E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.55E+00
HMS063BR	1.28E-01	1.51E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.01E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.56E-07	1.06E-06	8.01E+01	2.69E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.54E+02	1.42E+01	3.99E-06	1.02E-06	7.40E-02	1.23E-03	6.79E+00	5.16E+00	3.74E+02	1.65E-03	3.74E+02	3.81E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.66E+00
HMS063DC	1.18E-01	1.12E+01	-1.81E-01	1.13E+01	2.87E-05	0.00E+00	4.11E+03	6.50E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.70E-07	7.44E-07	6.55E+01	1.92E+00	1.47E-02	3.13E-01	1.05E-01	3.25E+00	2.84E+02	1.26E+01	3.48E-06	8.75E-07	4.00E-02	1.32E-03	6.26E+00	5.18E+00	2.99E+02	2.20E-03	2.99E+02	3.08E+02	1.19E+01	0.00E+00	0.00E+00	2.17E-04	4.55E+00
HMS063DR	1.25E-01	1.51E+01	-1.19E-01	1.51E+01	1.94E-05	0.00E+00	3.79E+03	1.00E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.29E-07	1.06E-06	7.99E+01	2.65E+00	1.68E-02	4.66E-01	1.31E-01	2.71E+00	3.49E+02	1.21E+01	3.99E-06	1.03E-06	7.40E-02	1.20E-03	6.00E+00	4.65E+00	3.67E+02	1.44E-03	3.67E+02	3.76E+02	1.10E+01	0.00E+00	0.00E+00	1.31E-04	5.64E+00
HMS064BC	1.20E-01	1.12E+01	-1.98E-01	1.13E+01	6.52E-05	0.00E+00	4.15E+03	6.56E-04	1.26E-02	1.27E-01	1.27E-02	5.28E+01	4.22E-07	9.76E-07	9.50E+01	1.94E+00	1.68E-02	3.13E-01	1.40E-01	3.62E+00	2.88E+02	1.30E+01	3.64E-06	9.91E-07	3.98E-02	1.79E-03	6.69E+00	5.36E+00	3.04E+02	2.17E-03	3.04E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.97E+00
HMS064BR	1.31E-01	1.54E+01	-1.33E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.01E-03	2.07E-02	2.28E-01	1.60E-02	7.66E+01	5.75E-07	1.17E-06	1.05E+02	2.70E+00	2.28E-02	4.79E-01	1.61E-01	3.63E+00	3.62E+02	1.56E+01	4.07E-06	1.30E-06	7.59E-02	1.74E-03	7.06E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.89E+02	1.27E+01	0.00E+00	0.00E+00	1.28E-04	7.00E+00
HMS064DC	1.19E-01	1.12E+01	-2.03E-01	1.14E+01	6.50E-05	0.00E+00	4.25E+03	6.58E-04	1.25E-02	1.28E-01	1.27E-02	5.26E+01	4.24E-07	9.77E-07	9.50E+01	1.94E+00	1.69E-02	3.13E-01	1.40E-01	3.63E+00	2.88E+02	1.31E+01	3.65E-06	9.91E-07	3.88E-02	1.79E-03	6.70E+00	5.51E+00	3.04E+02	2.10E-03	3.04E+02	3.15E+02	1.27E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HMS064DR	1.30E-01	1.52E+01	-1.14E-01	1.53E+01	5.76E-05	0.00E+00	3.85E+03	1.01E-03	2.07E-02	2.24E-01	1.58E-02	7.68E+01	5.71E-07	1.13E-06	1.02E+02	2.70E+00	2.15E-02	4.71E-01	1.58E-01	3.46E+00	3.59E+02	1.46E+01	4.01E-06	1.29E-06	7.45E-02	1.72E-03	6.83E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.34E-04	6.86E+00
HMS080BC	1.19E-01	1.12E+01	-1.84E-01	1.14E+01	2.85E-05	0.00E+00	4.11E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.70E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.85E+02	1.26E+01	3.50E-06	8.60E-07	4.01E-02	1.33E-03	6.26E+00	5.18E+00	2.99E+02	2.20E-03	2.99E+02	3.10E+02	1.19E+01	0.00E+00	0.00E+00	2.09E-04	4.56E+00
HMS080BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.56E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.01E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HMS080DC	1.18E-01	1.12E+01	-1.81E-01	1.14E+01	2.87E-05	0.00E+00	4.11E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.70E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.85E+02	1.26E+01	3.50E-06	8.60E-07	4.01E-02	1.33E-03	6.26E+00	5.18E+00	2.99E+02	2.20E-03	2.99E+02	3.10E+02	1.19E+01	0.00E+00	0.00E+00	2.17E-04	4.56E+00
HMS080DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.58E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.65E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.01E-06	1.03E-06	7.40E-02	1.20E-03	5.93E+00	4.65E+00	3.68E+02	1.47E-03	3.68E+02	3.77E+02	1.10E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HMS081BC	1.20E-01	1.12E+01	-1.98E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.26E-02	1.27E-01	1.27E-02	5.28E+01	4.22E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.66E-06	9.85E-07	3.99E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.98E+00
HMS081BR	1.31E-01	1.54E+01	-1.32E-01	1.56E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.54E+01	6.14E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.09E-06	1.12E-06	7.60E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HMS081DC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.53E-05	0.00E+00	4.15E+03	6.68E-04	1.26E-02	1.28E-01	1.27E-02	5.29E+01	4.18E-07	9.76E-07	9.50E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.85E-07	4.02E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HMS081DR	1.30E-01	1.53E+01	-1.14E-01	1.53E+01	5.76E-05	0.00E+00	3.85E+03	1.02E-03	2.07E-02	2.24E-01	1.58E-02	7.68E+01	5.71E-07	1.13E-06	1.02E+02	2.75E+00	2.15E-02	4.72E-01	1.58E-01	3.47E+00	3.60E+02	1.46E+01	4.03E-06	1.29E-06	7.46E-02	1.73E-03	6.83E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.34E-04	6.87E+00
HMS100BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.60E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HMS100BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.50E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.02E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HMS100DC	1.18E-01	1.12E+01	-1.97E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.22E+01	4.64E-07	7.44E-07	7.67E+01	1.95E+00	1.47E-02	3.17E-01	1.19E-01	3.26E+00	2.87E+02	1.26E+01	3.51E-06	8.73E-07	4.01E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.25E-04	5.12E+00
HMS100DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.24E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.65E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.02E-06	1.03E-06	7.40E-02	1.20E-03	5.92E+00	4.76E+00	3.68E+02	1.47E-03	3.68E+02	3.77E+02	1.10E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HMS101BC	1.20E-01	1.11E+01	-1.83E-01	1.13E+01	6.49E-05	0.00E+00	4.13E+03	6.67E-04	1.26E-02	1.27E-01	1.27E-02	5.30E+01	4.12E-07	9.74E-07	9.51E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.87E+02	1.30E+01	3.67E-06	9.84E-07	4.02E-02	1.80E-03	6.44E+00	5.34E+00	3.02E+02	2.01E-03	3.02E+02	3.13E+02	1.25E+01	0.00E+00	0.00E+00	2.06E-04	5.98E+00
HMS101BR	1.31E-01	1.54E+01	-1.32E-01	1.56E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.54E+01	6.08E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.60E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HMS101DC	1.20E-01	1.12E+01	-2.04E-01	1.14E+01	6.50E-05	0.00E+00	4.63E+03	6.70E-04	1.27E-02	1.29E-01	1.27E-02	5.26E+01	4.18E-07	9.77E-07	9.50E+01	1.98E+00	1.69E-02	3.17E-01	1.40E-01	3.66E+00	2.89E+02	1.40E+01	3.68E-06	9.85E-07	3.90E-02	1.81E-03	6.70E+00	5.72E+00	3.05E+02	2.05E-03	3.05E+02	3.17E+02	1.28E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HMS101DR	1.30E-01	1.53E+01	-1.14E-01	1.53E+01	5.76E-05	0.00E+00	3.85E+03	1.02E-03	2.07E-02	2.24E-01	1.58E-02	7.68E+01	5.66E-07	1.13E-06	1.02E+02	2.75E+00	2.15E-02	4.72E-01	1.58E-01	3.47E+00	3.60E+02	1.46E+01	4.04E-06	1.29E-06	7.46E-02	1.73E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HMS102DC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.28E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.68E-06	9.85E-07	3.99E-02	1.80E-03	6.70E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HMS125BC	1.18E-01	1.12E+01	-1.97E-01	1.14E+01	3.04E-05	0.00E+00	4.18E+03	6.63E-04	1.27E-02	1.27E-01	1.10E-02	4.20E+01	4.64E-07	7.44E-07	6.57E+01	1.96E+00	1.47E-02	3.17E-01	1.05E-01	3.25E+00	2.86E+02	1.27E+01	3.51E-06	8.52E-07	4.12E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.36E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HMS125BR	1.28E-01	1.52E+01	-1.14E-01	1.51E+01	2.13E-05	0.00E+00	4.03E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.30E+01	6.46E-07	1.06E-06	8.02E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.03E-06	1.01E-06	7.34E-02	1.24E-03	6.82E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HMS125DC	1.18E-01	1.12E+01	-1.95E-01	1.14E+01	3.03E-05	0.00E+00	4.18E+03	6.65E-04	1.27E-02	1.27E-01	1.10E-02	4.36E+01	4.69E-07	7.45E-07	7.68E+01	1.96E+00	1.47E-02	3.17E-01	1.19E-01	3.26E+00	2.86E+02	1.27E+01	3.54E-06	8.65E-07	4.12E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.36E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.25E-04	5.13E+00
HMS125DR	1.25E-01	1.52E+01	-9.59E-02	1.51E+01	1.95E-05	0.00E+00	3.82E+03	1.02E-03	2.01E-02	2.12E-01	1.19E-02	5.30E+01	6.19E-07	1.06E-06	8.00E+01	2.70E+00	1.68E-02	4.66E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.03E-06	1.02E-06	7.34E-02	1.21E-03	6.03E+00	4.65E+00	3.67E+02	1.44E-03	3.67E+02	3.76E+02	1.09E+01	0.00E+00	0.00E+00	1.31E-04	5.66E+00
HMS126BC	1.20E-01	1.12E+01	-1.94E-01	1.14E+01	6.52E-05	0.00E+00	4.20E+03	6.68E-04	1.28E-02	1.28E-01	1.27E-02	5.39E+01	4.16E-07	9.77E-07	9.51E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.81E-07	4.11E-02	1.80E-03	6.71E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.16E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.99E+00
HMS126BR	1.31E-01	1.54E+01	-1.10E-01	1.56E+01	6.09E-05	0.00E+00	4.52E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.57E+01	6.04E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.54E-02	1.73E-03	7.07E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HMS126DC	1.20E-01	1.12E+01	-2.00E-01	1.14E+01	6.50E-05	0.00E+00	4.68E+03	6.71E-04	1.30E-02	1.31E-01	1.27E-02	5.37E+01	4.18E-07	9.78E-07	9.52E+01	1.98E+00	1.69E-02	3.17E-01	1.40E-01	3.66E+00	2.89E+02	1.40E+01	3.68E-06	9.80E-07	4.00E-02	1.81E-03	6.72E+00	5.72E+00	3.05E+02	2.05E-03	3.05E+02	3.16E+02	1.28E+01	0.00E+00	0.00E+00	2.22E-04	5.99E+00
HMS126DR	1.30E-01	1.53E+01	-9.08E-02	1.53E+01	5.76E-05	0.00E+00	3.88E+03	1.02E-03	2.07E-02	2.24E-01	1.58E-02	7.72E+01	5.62E-07	1.13E-06	1.02E+02	2.76E+00	2.15E-02	4.72E-01	1.58E-01	3.48E+00	3.60E+02	1.45E+01	4.05E-06	1.29E-06	7.40E-02	1.73E-03	6.82E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HMS127DC	1.20E-01	1.12E+01	-1.91E-01	1.14E+01	6.52E-05	0.00E+00	4.20E+03	6.68E-04	1.28E-02	1.30E-01	1.27E-02	5.39E+01	4.16E-07	9.77E-07	9.51E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.68E-06	9.81E-07	4.11E-02	1.80E-03	6.72E+00	5.36E+00	3.05E+02	2.08E-03	3.05E+02	3.16E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.99E+00
HMS160BC	1.17E-01	1.12E+01	-1.94E-01	1.14E+01	3.04E-05	0.00E+00	4.32E+03	6.65E-04	1.28E-02	1.28E-01	1.10E-02	4.40E+01	4.64E-07	7.40E-07	6.63E+01	1.97E+00	1.46E-02	3.17E-01	1.05E-01	3.20E+00	2.85E+02	1.27E+01	3.51E-06	8.28E-07	4.12E-02	1.33E-03	6.54E+00	5.22E+00	3.00E+02	2.36E-03	3.00E+02	3.10E+02	1.21E+01	0.00E+00	0.00E+00	2.17E-04	4.57E+00
HMS160BR	1.25E-01	1.50E+01	-8.80E-02	1.50E+01	1.95E-05	0.00E+00	3.93E+03	1.02E-03	1.99E-02	2.09E-01	1.19E-02	5.50E+01	6.19E-07	1.06E-06	8.06E+01	2.71E+00	1.68E-02	4.56E-01	1.31E-01	2.65E+00	3.45E+02	1.22E+01	4.03E-06	1.02E-06	6.93E-02	1.20E-03	6.00E+00	4.74E+00	3.62E+02	1.46E-03	3.62E+02	3.71E+02	1.10E+01	0.00E+00	0.00E+00	1.24E-04	5.65E+00
HMS160DC	1.08E-01	1.14E+01	-2.28E-01	1.16E+01	2.42E-05	0.00E+00	3.84E+03	6.02E-04	1.21E-02	1.32E-01	1.16E-02	3.61E+01	1.27E-06	7.27E-07	6.42E+01	1.84E+00	1.57E-02	3.26E-01	1.10E-01	3.41E+00	3.09E+02	1.24E+01	3.65E-06	7.50E-07	4.13E-02	1.47E-03	7.60E+00	5.14E+00	3.21E+02	2.57E-03	3.21E+02	3.34E+02	1.27E+01	0.00E+00	0.00E+00	3.02E-04	4.73E+00
HMS160DR	1.25E-01	1.50E+01	-8.80E-02	1.50E+01	1.94E-05	0.00E+00	3.93E+03	1.02E-03	1.99E-02	2.09E-01	1.19E-02	5.50E+01	5.90E-07	1.05E-06	8.04E+01	2.71E+00	1.68E-02	4.60E-01	1.31E-01	2.65E+00	3.44E+02	1.22E+01	4.03E-06	1.02E-06	6.93E-02	1.21E-03	6.07E+00	4.62E+00	3.62E+02	1.44E-03	3.62E+02	3.72E+02	1.10E+01	0.00E+00	0.00E+00	1.24E-04	5.65E+00
HMS161BC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.52E-05	0.00E+00	4.35E+03	6.70E-04	1.30E-02	1.30E-01	1.27E-02	5.62E+01	4.16E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.68E-06	9.63E-07	4.11E-02	1.80E-03	6.74E+00	5.37E+00	3.03E+02	2.18E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HMS161BR	1.31E-01	1.53E+01	-9.97E-02	1.55E+01	6.09E-05	0.00E+00	4.58E+03	1.03E-03	2.06E-02	2.26E-01	1.52E-02	6.83E+01	5.81E-07	1.17E-06	1.06E+02	2.77E+00	2.17E-02	4.71E-01	1.60E-01	3.62E+00	3.57E+02	1.56E+01	4.11E-06	1.12E-06	7.11E-02	1.73E-03	7.11E+00	5.49E+00	3.72E+02	2.14E-03	3.72E+02	3.85E+02	1.27E+01	0.00E+00	0.00E+00	1.30E-04	6.88E+00
HMS161DC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.52E-05	0.00E+00	4.35E+03	6.70E-04	1.31E-02	1.32E-01	1.27E-02	5.62E+01	4.16E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.69E-06	9.63E-07	4.11E-02	1.80E-03	6.75E+00	5.37E+00	3.03E+02	2.08E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HMS161DR	1.30E-01	1.51E+01	-8.35E-02	1.52E+01	5.76E-05	0.00E+00	3.96E+03	1.02E-03	2.06E-02	2.22E-01	1.58E-02	7.89E+01	5.39E-07	1.12E-06	1.02E+02	2.76E+00	2.15E-02	4.63E-01	1.58E-01	3.47E+00	3.55E+02	1.46E+01	4.05E-06	1.29E-06	6.98E-02	1.73E-03	6.84E+00	5.05E+00	3.71E+02	1.65E-03	3.71E+02	3.79E+02	1.24E+01	0.00E+00	0.00E+00	1.23E-04	6.86E+00
HMS162DC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.52E-05	0.00E+00	4.35E+03	6.70E-04	1.31E-02	1.32E-01	1.27E-02	5.62E+01	4.16E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.69E-06	9.63E-07	4.11E-02	1.80E-03	6.75E+00	5.37E+00	3.03E+02	2.08E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HMT050DR	1.84E-01	1.67E+01	-1.89E-01	1.89E+01	5.82E-05	0.00E+00	6.23E+03	9.24E-04	1.91E-02	2.04E-01	2.06E-02	8.39E+01	1.08E-06	1.65E-06	1.56E+02	2.69E+00	3.03E-02	4.99E-01	2.09E-01	4.64E+00	4.04E+02	1.68E+01	4.50E-06	1.41E-06	7.63E-02	2.06E-03	8.13E+00	6.72E+00	4.25E+02	2.17E-03	4.25E+02	4.34E+02	1.46E+01	0.00E+00	0.00E+00	6.32E-05	8.99E+00
HMT051DR	1.85E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.20E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.77E-06	1.91E-06	1.91E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	4.97E-06	1.40E-06	9.10E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.72E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HMT063DR	1.84E-01	1.67E+01	-1.89E-01	1.89E+01	5.82E-05	0.00E+00	6.23E+03	9.15E-04	1.91E-02	2.04E-01	2.06E-02	8.39E+01	1.08E-06	1.65E-06	1.56E+02	2.69E+00	3.03E-02	4.99E-01	2.09E-01	4.64E+00	4.04E+02	1.68E+01	4.50E-06	1.41E-06	7.63E-02	2.05E-03	8.13E+00	6.72E+00	4.25E+02	2.17E-03	4.25E+02	4.34E+02	1.46E+01	0.00E+00	0.00E+00	6.32E-05	8.99E+00
HMT064DR	1.97E-01	1.67E+01	-2.42E-01	1.92E+01	5.74E-05	0.00E+00	6.99E+03	1.14E-03	2.01E-02	2.16E-01	2.32E-02	8.36E+01	1.09E-06	1.81E-06	1.80E+02	3.39E+00	3.40E-02	5.03E-01	2.37E-01	4.89E+00	4.06E+02	1.87E+01	4.53E-06	1.42E-06	7.74E-02	2.08E-03	8.66E+00	7.23E+00	4.32E+02	2.34E-03	4.32E+02	4.36E+02	1.61E+01	0.00E+00	0.00E+00	6.15E-05	1.01E+01
HMT100BR	1.78E-01	1.76E+01	-8.23E-02	2.05E+01	6.59E-05	0.00E+00	5.85E+03	1.11E-03	2.41E-02	2.61E-01	2.05E-02	9.10E+01	1.76E-06	1.81E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.31E-01	5.01E+00	4.21E+02	1.74E+01	4.96E-06	1.37E-06	8.70E-02	1.85E-03	8.71E+00	6.69E+00	4.59E+02	3.42E-03	4.59E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HMT100DR	1.60E-01	1.70E+01	-8.63E-02	1.76E+01	6.42E-05	0.00E+00	5.19E+03	1.09E-03	2.29E-02	2.45E-01	1.67E-02	8.77E+01	1.05E-06	1.52E-06	1.47E+02	3.31E+00	2.33E-02	5.31E-01	2.10E-01	4.22E+00	3.93E+02	1.55E+01	4.37E-06	1.32E-06	7.99E-02	1.84E-03	7.94E+00	5.83E+00	4.19E+02	2.81E-03	4.19E+02	4.19E+02	1.37E+01	0.00E+00	0.00E+00	7.39E-05	8.73E+00
HMT101BR	1.86E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.20E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.77E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	4.99E-06	1.40E-06	9.11E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HMT101DR	1.98E-01	1.67E+01	-2.42E-01	1.92E+01	5.74E-05	0.00E+00	6.99E+03	1.14E-03	2.01E-02	2.16E-01	2.32E-02	8.36E+01	1.09E-06	1.81E-06	1.80E+02	3.39E+00	3.40E-02	5.03E-01	2.37E-01	4.89E+00	4.06E+02	1.87E+01	4.53E-06	1.42E-06	7.74E-02	2.09E-03	8.66E+00	7.23E+00	4.32E+02	2.34E-03	4.32E+02	4.36E+02	1.61E+01	0.00E+00	0.00E+00	6.15E-05	1.01E+01
HMT102DR	1.98E-01	1.68E+01	-2.42E-01	1.93E+01	6.70E-05	0.00E+00	7.19E+03	1.17E-03	2.04E-02	2.16E-01	2.25E-02	7.45E+01	1.13E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.04E-01	2.36E-01	4.87E+00	4.06E+02	1.87E+01	4.55E-06	1.27E-06	7.74E-02	2.06E-03	8.65E+00	7.23E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.62E+01	0.00E+00	0.00E+00	1.12E-04	9.96E+00
HMT125BR	1.78E-01	1.76E+01	-8.23E-02	2.05E+01	6.59E-05	0.00E+00	5.85E+03	1.11E-03	2.41E-02	2.61E-01	2.05E-02	9.10E+01	1.75E-06	1.81E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.31E-01	5.01E+00	4.21E+02	1.74E+01	4.98E-06	1.37E-06	8.70E-02	1.85E-03	8.71E+00	6.69E+00	4.58E+02	3.42E-03	4.58E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HMT125DR	1.60E-01	1.70E+01	-7.81E-02	1.76E+01	6.43E-05	0.00E+00	5.19E+03	1.09E-03	2.29E-02	2.45E-01	1.67E-02	8.78E+01	1.05E-06	1.52E-06	1.47E+02	3.31E+00	2.33E-02	5.31E-01	2.10E-01	4.21E+00	3.93E+02	1.54E+01	4.39E-06	1.32E-06	7.98E-02	1.83E-03	7.74E+00	5.75E+00	4.19E+02	2.72E-03	4.19E+02	4.19E+02	1.34E+01	0.00E+00	0.00E+00	6.79E-05	8.73E+00
HMT126BR	1.85E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.21E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.76E-06	1.91E-06	1.91E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	5.00E-06	1.40E-06	9.09E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.72E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HMT126DR	1.98E-01	1.67E+01	-2.39E-01	1.92E+01	5.76E-05	0.00E+00	7.02E+03	1.15E-03	2.01E-02	2.15E-01	2.32E-02	8.36E+01	1.08E-06	1.81E-06	1.80E+02	3.40E+00	3.40E-02	5.03E-01	2.37E-01	4.88E+00	4.06E+02	1.86E+01	4.55E-06	1.42E-06	7.74E-02	2.08E-03	8.66E+00	7.14E+00	4.32E+02	2.36E-03	4.32E+02	4.36E+02	1.61E+01	0.00E+00	0.00E+00	6.15E-05	1.01E+01
HMT127DR	1.98E-01	1.68E+01	-2.39E-01	1.93E+01	6.72E-05	0.00E+00	7.22E+03	1.17E-03	2.04E-02	2.15E-01	2.25E-02	7.48E+01	1.12E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.04E-01	2.36E-01	4.86E+00	4.06E+02	1.86E+01	4.56E-06	1.27E-06	7.74E-02	2.05E-03	8.65E+00	7.14E+00	4.32E+02	2.42E-03	4.32E+02	4.38E+02	1.61E+01	0.00E+00	0.00E+00	1.12E-04	9.96E+00
HMT160BR	1.78E-01	1.76E+01	-4.89E-02	2.05E+01	6.59E-05	0.00E+00	5.86E+03	1.11E-03	2.41E-02	2.61E-01	2.05E-02	9.11E+01	1.75E-06	1.82E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.32E-01	5.01E+00	4.21E+02	1.74E+01	4.98E-06	1.37E-06	8.70E-02	1.85E-03	8.73E+00	6.69E+00	4.59E+02	3.42E-03	4.59E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00

HMT160DR	1.84E-01	1.67E+01	-1.83E-01	1.89E+01	5.83E-05	0.00E+00	6.25E+03	9.24E-04	1.91E-02	2.04E-01	2.06E-02	8.41E+01	1.07E-06	1.65E-06	1.56E+02	2.69E+00	3.03E-02	5.00E-01	2.09E-01	4.64E+00	4.04E+02	1.68E+01	4.52E-06	1.41E-06	7.63E-02	2.06E-03	8.14E+00	6.72E+00	4.25E+02	2.17E-03	4.25E+02	4.34E+02	1.46E+01	0.00E+00	0.00E+00	6.32E-05	8.99E+00
HMT161BR	1.86E-01	1.77E+01	-4.96E-02	2.10E+01	7.01E-05	0.00E+00	6.34E+03	1.21E-03	2.57E-02	2.71E-01	2.18E-02	9.31E+01	1.76E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	5.00E-06	1.40E-06	9.11E-02	1.87E-03	9.04E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HMT161DR	1.98E-01	1.67E+01	-2.40E-01	1.92E+01	5.74E-05	0.00E+00	7.00E+03	1.14E-03	2.02E-02	2.16E-01	2.32E-02	8.36E+01	1.08E-06	1.81E-06	1.80E+02	3.39E+00	3.40E-02	5.03E-01	2.37E-01	4.89E+00	4.06E+02	1.87E+01	4.55E-06	1.42E-06	7.75E-02	2.09E-03	8.66E+00	7.23E+00	4.32E+02	2.34E-03	4.32E+02	4.36E+02	1.61E+01	0.00E+00	0.00E+00	6.15E-05	1.01E+01
HMT162DR	1.98E-01	1.68E+01	-2.40E-01	1.93E+01	6.70E-05	0.00E+00	7.20E+03	1.17E-03	2.04E-02	2.16E-01	2.25E-02	7.48E+01	1.12E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.04E-01	2.36E-01	4.87E+00	4.06E+02	1.87E+01	4.56E-06	1.27E-06	7.75E-02	2.06E-03	8.65E+00	7.23E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.62E+01	0.00E+00	0.00E+00	1.12E-04	9.96E+00
HMT200BR	1.78E-01	1.74E+01	-4.01E-02	2.05E+01	6.61E-05	0.00E+00	5.57E+03	1.11E-03	2.40E-02	2.59E-01	2.05E-02	9.28E+01	1.65E-06	1.81E-06	1.76E+02	3.34E+00	3.19E-02	5.53E-01	2.31E-01	5.00E+00	4.18E+02	1.72E+01	4.98E-06	1.37E-06	8.30E-02	1.83E-03	8.67E+00	6.59E+00	4.54E+02	3.43E-03	4.54E+02	4.43E+02	1.46E+01	0.00E+00	0.00E+00	9.83E-05	9.70E+00
HMT200DR	1.59E-01	1.68E+01	-3.64E-02	1.75E+01	6.45E-05	0.00E+00	5.26E+03	1.09E-03	2.28E-02	2.43E-01	1.67E-02	8.96E+01	9.50E-07	1.53E-06	1.47E+02	3.31E+00	2.32E-02	5.21E-01	2.11E-01	4.21E+00	3.90E+02	1.54E+01	4.39E-06	1.32E-06	7.53E-02	1.83E-03	7.71E+00	5.72E+00	4.14E+02	2.70E-03	4.14E+02	4.15E+02	1.31E+01	0.00E+00	0.00E+00	7.72E-05	8.73E+00
HMT201BR	1.85E-01	1.75E+01	-4.15E-02	2.09E+01	7.05E-05	0.00E+00	6.05E+03	1.21E-03	2.58E-02	2.69E-01	2.18E-02	9.48E+01	1.66E-06	1.91E-06	1.91E+02	3.69E+00	3.42E-02	5.58E-01	2.53E-01	5.21E+00	4.21E+02	1.83E+01	5.00E-06	1.40E-06	8.82E-02	1.86E-03	9.00E+00	6.91E+00	4.62E+02	3.73E-03	4.62E+02	4.50E+02	1.55E+01	0.00E+00	0.00E+00	1.01E-04	1.04E+01
HMT201DR	1.98E-01	1.65E+01	-2.20E-01	1.91E+01	5.78E-05	0.00E+00	7.04E+03	1.15E-03	1.97E-02	2.11E-01	2.31E-02	8.44E+01	9.87E-07	1.81E-06	1.79E+02	3.41E+00	3.40E-02	4.91E-01	2.38E-01	4.88E+00	4.00E+02	1.86E+01	4.56E-06	1.42E-06	7.00E-02	2.08E-03	8.62E+00	7.06E+00	4.23E+02	2.34E-03	4.23E+02	4.27E+02	1.57E+01	0.00E+00	0.00E+00	6.91E-05	1.01E+01
HMT202DR	1.98E-01	1.66E+01	-2.21E-01	1.92E+01	6.74E-05	0.00E+00	7.24E+03	1.17E-03	2.00E-02	2.12E-01	2.25E-02	7.63E+01	1.03E-06	1.81E-06	1.80E+02	3.56E+00	3.28E-02	4.92E-01	2.37E-01	4.86E+00	4.00E+02	1.86E+01	4.57E-06	1.26E-06	7.00E-02	2.05E-03	8.61E+00	7.06E+00	4.24E+02	2.40E-03	4.24E+02	4.29E+02	1.58E+01	0.00E+00	0.00E+00	1.18E-04	9.97E+00
HMT250BR	1.80E-01	1.75E+01	-3.91E-02	2.04E+01	6.58E-05	0.00E+00	6.44E+03	1.11E-03	2.41E-02	2.59E-01	2.06E-02	9.29E+01	1.72E-06	1.82E-06	1.76E+02	3.35E+00	3.19E-02	5.51E-01	2.32E-01	5.00E+00	4.16E+02	1.79E+01	4.98E-06	1.36E-06	8.30E-02	1.87E-03	8.78E+00	6.77E+00	4.52E+02	3.42E-03	4.52E+02	4.42E+02	1.49E+01	0.00E+00	0.00E+00	9.80E-05	9.71E+00
HMT250DR	1.48E-01	1.37E+01	-2.88E-01	1.39E+01	2.51E-05	0.00E+00	6.24E+03	8.73E-04	1.50E-02	1.64E-01	1.60E-02	5.56E+01	1.36E-07	1.16E-06	1.13E+02	2.58E+00	2.16E-02	3.83E-01	1.59E-01	3.40E+00	3.23E+02	1.67E+01	3.20E-06	9.89E-07	5.22E-02	1.68E-03	7.29E+00	6.71E+00	3.39E+02	9.04E-04	3.39E+02	3.53E+02	1.40E+01	0.00E+00	0.00E+00	0.00E+00	6.82E+00
HMT251BR	1.87E-01	1.76E+01	-4.06E-02	2.09E+01	7.01E-05	0.00E+00	6.94E+03	1.21E-03	2.58E-02	2.69E-01	2.19E-02	9.49E+01	1.72E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.56E-01	2.53E-01	5.22E+00	4.19E+02	1.91E+01	5.00E-06	1.40E-06	8.81E-02	1.89E-03	9.08E+00	7.10E+00	4.61E+02	3.72E-03	4.61E+02	4.49E+02	1.59E+01	0.00E+00	0.00E+00	1.01E-04	1.04E+01
HMT251DR	2.00E-01	1.65E+01	-2.42E-01	1.91E+01	5.70E-05	0.00E+00	7.40E+03	1.15E-03	1.97E-02	2.11E-01	2.33E-02	8.35E+01	1.08E-06	1.81E-06	1.80E+02	3.40E+00	3.41E-02	4.88E-01	2.37E-01	4.90E+00	3.97E+02	1.92E+01	4.56E-06	1.42E-06	6.99E-02	2.11E-03	8.72E+00	7.38E+00	4.21E+02	2.35E-03	4.21E+02	4.26E+02	1.62E+01	0.00E+00	0.00E+00	6.15E-05	1.01E+01
HMT252DR	2.00E-01	1.67E+01	-2.42E-01	1.92E+01	6.67E-05	0.00E+00	7.66E+03	1.17E-03	2.00E-02	2.12E-01	2.26E-02	7.61E+01	1.12E-06	1.81E-06	1.81E+02	3.55E+00	3.28E-02	4.89E-01	2.36E-01	4.88E+00	3.97E+02	1.92E+01	4.57E-06	1.26E-06	7.00E-02	2.08E-03	8.71E+00	7.38E+00	4.22E+02	2.41E-03	4.22E+02	4.28E+02	1.63E+01	0.00E+00	0.00E+00	1.12E-04	9.96E+00
HMW250DR	4.50E-01	3.80E+01	4.52E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.26E-02	4.54E-01	4.83E-02	2.16E+02	9.79E-06	3.94E-06	3.61E+02	4.26E+00	6.53E-02	9.60E-01	4.89E-01	1.51E+01	7.69E+02	2.69E+01	8.50E-06	3.30E-06	1.53E-01	6.51E-03	2.14E+01	1.15E+01	8.01E+02	1.40E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.16E-04	2.09E+01
HMW251DR	5.65E-01	4.75E+01	8.58E-02	4.74E+01	1.45E-04	0.00E+00	1.22E+04	2.72E-03	5.30E-02	5.68E-01	6.06E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.31E+00	8.17E-02	1.28E+00	6.15E-01	1.86E+01	9.72E+02	3.48E+01	1.00E-05	4.06E-06	1.92E-01	8.01E-03	2.64E+01	1.35E+01	1.01E+03	1.81E-02	1.01E+03	1.04E+03	4.00E+01	0.00E+00	0.00E+00	6.49E-04	2.65E+01
HMW320BR	4.28E-01	3.74E+01	8.76E-03	3.74E+01	1.02E-04	0.00E+00	8.82E+03	1.38E-03	4.23E-02	4.55E-01	4.76E-02	2.15E+02	9.33E-06	3.90E-06	3.59E+02	4.26E+00	6.50E-02	9.47E-01	4.83E-01	1.50E+01	7.68E+02	2.67E+01	8.51E-06	3.24E-06	1.51E-01	6.47E-03	2.13E+01	1.14E+01	7.99E+02	1.40E-02	7.99E+02	8.30E+02	3.22E+01	0.00E+00	0.00E+00	5.16E-04	2.07E+01
HMW320DR	4.50E-01	3.80E+01	4.52E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.26E-02	4.54E-01	4.83E-02	2.16E+02	9.79E-06	3.94E-06	3.61E+02	4.26E+00	6.53E-02	9.60E-01	4.89E-01	1.51E+01	7.69E+02	2.69E+01	8.50E-06	3.30E-06	1.53E-01	6.51E-03	2.14E+01	1.15E+01	8.01E+02	1.40E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.16E-04	2.09E+01
HMW321BR	5.24E-01	4.58E+01	6.34E-02	4.58E+01	1.48E-04	0.00E+00	1.26E+04	2.49E-03	5.06E-02	5.54E-01	5.84E-02	2.68E+02	9.38E-06	4.90E-06	4.45E+02	7.58E+00	7.95E-02	1.24E+00	5.95E-01	1.77E+01	9.52E+02	3.52E+01	9.85E-06	3.89E-06	1.85E-01	7.87E-03	2.53E+01	1.33E+01	9.85E+02	1.70E-02	9.85E+02	1.02E+03	3.77E+01	0.00E+00	0.00E+00	6.44E-04	2.55E+01
HMW321DR	5.64E-01	4.74E+01	8.49E-02	4.74E+01	1.45E-04	0.00E+00	1.22E+04	2.72E-03	5.31E-02	5.70E-01	6.06E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.32E+00	8.16E-02	1.27E+00	6.15E-01	1.86E+01	9.72E+02	3.47E+01	1.00E-05	4.06E-06	1.92E-01	8.01E-03	2.65E+01	1.35E+01	1.01E+03	1.81E-02	1.01E+03	1.04E+03	4.00E+01	0.00E+00	0.00E+00	6.49E-04	2.65E+01
HMW400DR	4.50E-01	3.79E+01	2.83E-03	3.78E+01	1.04E-04	0.00E+00	8.84E+03	1.50E-03	4.25E-02	4.54E-01	4.82E-02	2.17E+02	9.79E-06	3.92E-06	3.58E+02	4.67E+00	6.50E-02	9.62E-01	4.88E-01	1.51E+01	7.68E+02	2.68E+01	8.40E-06	3.30E-06	1.53E-01	6.50E-03	2.14E+01	1.14E+01	7.99E+02	1.41E-02	7.99E+02	8.33E+02	3.30E+01	0.00E+00	0.00E+00	4.81E-04	2.09E+01
HMW401DR	5.68E-01	4.75E+01	8.56E-02	4.75E+01	1.43E-04	0.00E+00	1.20E+04	2.72E-03	5.32E-02	5.71E-01	6.05E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.31E+00	8.17E-02	1.27E+00	6.16E-01	1.86E+01	9.72E+02	3.41E+01	9.97E-06	4.09E-06	1.92E-01	8.00E-03	2.66E+01	1.34E+01	1.01E+03	1.82E-02	1.01E+03	1.04E+03	4.01E+01	0.00E+00	0.00E+00	6.36E-04	2.65E+01
HMW500BR	4.36E-01	3.77E+01	9.82E-03	3.77E+01	1.03E-04	0.00E+00	8.80E+03	1.37E-03	4.26E-02	4.58E-01	4.80E-02	2.22E+02	9.33E-06	3.96E-06	3.68E+02	4.27E+00	6.52E-02	9.23E-01	4.85E-01	1.51E+01	7.69E+02	2.66E+01	8.60E-06	3.30E-06	1.52E-01	6.51E-03	2.15E+01	1.15E+01	8.05E+02	1.57E-02	8.05E+02	8.33E+02	3.24E+01	0.00E+00	0.00E+00	4.18E-04	2.07E+01
HMW501BR	5.35E-01	4.61E+01	6.74E-02	4.63E+01	1.47E-04	0.00E+00	1.25E+04	2.48E-03	5.14E-02	5.57E-01	5.89E-02	2.78E+02	9.38E-06	4.96E-06	4.59E+02	7.58E+00	8.04E-02	1.20E+00	5.96E-01	1.79E+01	9.57E+02	3.47E+01	9.98E-06	3.99E-06	1.87E-01	7.91E-03	2.55E+01	1.33E+01	9.90E+02	1.90E-02	9.90E+02	1.03E+03	3.78E+01	0.00E+00	0.00E+00	5.11E-04	2.55E+01
HNA016M	1.00E-01	1.23E+01	-8.08E-02	1.20E+01	2.83E-06	0.00E+00	2.30E+03	8.92E-04	2.35E-02	2.49E-01	7.78E-03	2.73E+01	7.85E-07	7.20E-07	5.59E+01	2.11E+00	1.04E-02	3.96E-01	9.24E-02	2.35E+00	3.22E+02	9.77E+00	3.31E-06	6.94E-07	7.26E-02	9.37E-04	3.90E+00	3.00E+00	3.36E+02	4.59E-04	3.36E+02	3.42E+02	7.20E+00	0.00E+00	0.00E+00	0.00E+00	3.99E+00
HNA016Z	1.05E-01	1.29E+01	-7.74E-02	1.30E+01	2.76E-06	0.00E+00	2.08E+03	9.09E-04	2.38E-02	2.59E-01	8.18E-03	2.88E+01	9.02E-07	8.08E-07	6.49E+01	2.25E+00	1.11E-02	3.96E-01	1.04E-01	2.53E+00	3.29E+02	9.87E+00	3.26E-06	7.78E-07	7.27E-02	1.10E-03	4.29E+00	3.26E+00	3.38E+02	5.39E-04	3.38E+02	3.47E+02	7.49E+00	0.00E+00	0.00E+00	0.00E+00	4.49E+00
HNA017M	1.34E-01	1.49E+01	-9.28E-02	1.52E+01	3.19E-06	0.00E+00	2.98E+03	1.17E-03	2.61E-02	2.80E-01	1.05E-02	4.07E+01	8.35E-07	1.10E-06	1.06E+02	2.96E+00	1.42E-02	4.68E-01	1.47E-01	2.98E+00	3.84E+02	1.17E+01	3.56E-06	9.70E-07	8.49E-02	1.36E-03	5.49E+00	3.49E+00	4.04E+02	6.29E-04	4.04E+02	4.07E+02	8.30E+00	0.00E+00	0.00E+00	0.00E+00	6.37E+00
HNA017Z	1.34E-01	1.47E+01	-8.99E-02	1.49E+01	2.90E-06	0.00E+00	3.06E+03	1.17E-03	2.63E-02	2.91E-01	1.05E-02	3.83E+01	8.51E-07	1.09E-06	1.04E+02	2.96E+00	1.42E-02	4.80E-01	1.47E-01	2.61E+00	3.91E+02	1.09E+01	3.58E-06	9.44E-07	8.17E-02	1.15E-03	5.45E+00	4.44E+00	4.06E+02	6.82E-04	4.06E+02	4.16E+02	9.98E+00	0.00E+00	0.00E+00	0.00E+00	6.32E+00
HNA020M	9.99E-02	1.22E+01	-5.11E-02	1.19E+01	2.83E-06	0.00E+00	1.91E+03	8.91E-04	2.28E-02	2.42E-01	7.71E-03	2.73E+01	7.85E-07	7.19E-07	5.59E+01	2.11E+00	1.03E-02	3.92E-01	9.24E-02	2.34E+00	3.19E+02	9.66E+00	3.30E-06	6.88E-07	7.09E-02	9.33E-04	3.90E+00	3.00E+00	3.33E+02	4.61E-04	3.33E+02	3.40E+02	7.24E+00	0.00E+00	0.00E+00	0.00E+00	3.99E+00
HNA020Z	1.13E-01	1.34E+01	-7.63E-02	1.36E+01	2.88E-06	0.00E+00	2.14E+03	9.38E-04	2.39E-02	2.59E-01	8.46E-03	3.10E+01	9.07E-07	8.30E-07	6.72E+01	2.62E+00	1.15E-02	3.96E-01	1.08E-01	2.65E+00	3.29E+02	1.06E+01	3.27E-06	8.16E-07	7.27E-02	1.14E-03	4.33E+00	3.29E+00	3.38E+02	5.59E-04	3.38E+02	3.47E+02	7.64E+00	0.00E+00	0.00E+00	0.00E+00	4.64E+00
HNA021M	1.34E-01	1.49E+01	-9.34E-02	1.52E+01	3.26E-06	0.00E+00	2.98E+03	1.17E-03	2.62E-02	2.82E-01	1.05E-02	4.07E+01	8.31E-07	1.10E-06	1.06E+02	2.96E+00	1.42E-02	4.67E-01	1.47E-01	2.99E+00	3.84E+02	1.17E+01	3.58E-06	9.69E-07	8.50E-02	1.37E-03	5.48E+00	3.51E+00	4.04E+02	6.30E-04	4.04E+02	4.07E+02	8.29E+00	0.00E+00	0.00E+00	0.00E+00	6.37E+00
HNA021Z	1.50E-01	1.56E+01	-8.40E-02	1.59E+01	3.17E-06	0.00E+00	3.16E+03	1.21E-03	2.65E-02	2.94E-01	1.12E-02	4.04E+01	7.98E-07	1.10E-06	1.06E+02	3.46E+00	1.52E-02	4.87E-01	1.52E-01	3.12E+00	3.98E+02	1.37E+01	3.59E-06	1.00E-06	8.28E-02	1.43E-03	5.70E+00	4.54E+00	4.11E+02	7.19E-04	4.11E+02	4.21E+02	1.03E+01	0.00E+00	0.00E+00	0.00E+00	6.52E+00
HNA025H	1.23E-01	1.41E+01	-8.12E-02	1.42E+01	5.17E-06	0.00E+00	2.74E+03	9.54E-04	2.46E-02	2.68E-01	9.00E-03	3.07E+01	9.51E-07	8.52E-07	6.91E+01	2.68E+00	1.22E-02	4.04E-01	1.11E-01	2.69E+00	3.35E+02	1.17E+01	3.58E-06	8.55E-07	7.49E-02	1.16E-03	4.49E+00	3.28E+00	3.45E+02	5.62E-04	3.45E+02	3.54E+02	7.83E+00	0.00E+00	0.00E+00	0.00E+00	4.76E+00
HNA025M	1.02E-01	1.25E+01	-8.06E-02	1.25E+01	2.91E-06	0.00E+00	2.43E+03	9.05E-04	2.35E-02	2.48E-01	8.16E-03	2.92E+01	7.85E-07	7.75E-07	6.14E+01	2.22E+00	1.10E-02	3.96E-01	1.00E-01	2.49E+00	3.22E+02	9.98E+00	3.30E-06	7.49E-07	7.26E-02	1.04E-03	3.98E+00	3.14E+00	3.36E+02	4.86E-04	3.36E+02	3.42E+02	7.31E+00	0.00E+00	0.00E+00	0.00E+00	4.36E+00
HNA025U	1.22E-01	1.40E+01	-7.67E-02	1.41E+01	5.17E-06	0.00E+00	2.27E+03	9.49E-04	2.39E-02	2.60E-01	8.71E-03	3.14E+01	9.33E-07	8.52E-07	6.84E+01	2.68E+00	1.18E-02	3.96E-01	1.11E-01	2.70E+00	3.31E+02	1.13E+01	3.62E-06	8.51E-07	7.28E-02	1.17E-03	4.47E+00	3.29E+00	3.41E+02	5.70E-04	3.41E+02	3.49E+02	7.80E+00	0.00E+00	0.00E+00	0.00E+00	4.77E+00
HNA025Z	1.20E-01	1.39E+01	-7.77E-02	1.40E+01	2.93E-06	0.00E+00	2.25E+03	9.48E-04	2.39E-02	2.60E-01	8.65E-03	3.13E+01	9.07E-07	8.51E-07	6.65E+01	2.68E+00	1.17E-02	3.96E-01	1.11E-01	2.71E+00	3.29E+02	1.12E+01	3.31E-06	8.39E-07	7.27E-02	1.16E-03	4.40E+00	3.31E+00	3.39E+02	5.74E-04	3.39E+02	3.47E+02	7.75E+00	0.00E+00	0.00E+00	0.00E+00	4.75E+00
HNA026H	1.56E-01	1.66E+01	-9.14E-02	1.67E+01	5.27E-06	0.00E+00	3.32E+03	1.24E-03	2.74E-02	2.99E-01	1.14E-02	4.27E+01	8.45E-07	1.09E-06	1.06E+02	3.59E+00	1.54E-02	4.88E-01	1.51E-01	3.16E+00	3.99E+02	1.36E+01	3.67E-06	1.05E-06	8.67E-02	1.46E-03	5.61E+00	3.57E+00	4.12E+02	7.11E-04	4.12E+02	4.19E+02	8.72E+00	0.00E+00	0.00E+00	0.00E+00	6.47E+00
HNA026M	1.34E-01	1.49E+01	-9.31E-02	1.52E+01	3.19E-06	0.00E+00	2.98E+03	1.17E-03	2.61E-02	2.80E-01	1.05E-02	4.07E+01	8.35E-07	1.10E-06	1.06E+02	2.96E+00	1.42E-02	4.68E-01	1.47E-01	2.98E+00	3.84E+02	1.17E+01	3.56E-06	9.69E-07	8.49E-02	1.36E-03	5.48E+00	3.51E+00	4.04E+02	6.28E-04	4.04E+02	4.07E+02	8.29E+00	0.00E+00	0.00E+00	0.00E+00	6.37E+00
HNA026U	1.64E-01	1.62E+01	-6.89E-02	1.60E+01	9.13E-06	0.00E+00	2.92E+03	1.17E-03	2.71E-02	2.94E-01	1.22E-02	4.67E+01	1.31E-06	1.25E-06	1.15E+02	3.51E+00	1.66E-02	4.90E-01	1.66E-01	3.45E+00	3.71E+02	1.45E+01	4.07E-06	1.07E-06	8.81E-02	1.43E-03	6.54E+00	4.59E+00	3.91E+02	1.11E-03	3.91E+02	4.04E+02	1.10E+01	0.00E+00	0.00E+00	3.06E-05	7.23E+00
HNA026Z	1.64E-01	1.63E+01	-5.67E-02	1.61E+01	8.11E-06	0.00E+00	2.92E+03	1.17E-03	2.71E-02	2.94E-01	1.21E-02	4.67E+01	1.26E-06	1.26E-06	1.15E+02	3.52E+00	1.66E-02	4.91E-01	1.67E-01	3.34E+00	3.74E+02	1.45E+01	4.07E-06	1.09E-06	8.82E-02	1.39E-03	6.36E+00	4.64E+00	3.97E+02	1.26E-03	3.97E+02	4.04E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.22E+00
HNA032M	1.00E-01	1.22E+01	-5.09E-02	1.19E+01	2.83E-06	0.00E+00	1.91E+03	8.91E-04	2.28E-02	2.42E-01	7.68E-03	2.73E+01	7.85E-07	7.19E-07	5.59E+01	2.11E+00	1.03E-02	3.92E-01	9.24E-02	2.34E+00	3.20E+02	9.69E+00	3.30E-06	6.88E-07	7.09E-02	9.33E-04	3.90E+00	3.00E+00	3.33E+02	4.62E-04	3.33E+02	3.40E+02	7.24E+00	0.00E+00	0.00E+00	0.00E+00	4.00E+00
HNA032Z	1.34E-01	1.27E+01	-7.30E-02	1.24E+01	7.74E-06	0.00E+00	2.13E+03	9.07E-04	2.21E-02	2.34E-01	9.27E-03	3.90E+01	1.23E-06	9.17E-07	6.87E+01	2.47E+00	1.27E-02	4.17E-01	1.17E-01	2.90E+00	3.20E+02	1.09E+01	3.83E-06	8.57E-07	7.26E-02	1.07E-03	4.80E+00	3.13E+00	3.43E+02	1.15E-03	3.43E+02	3.50E+02	8.59E+00	0.00E+00	0.00E+00	3.34E-05	5.14E+00
HNA033M	1.34E-01	1.49E+01	-9.28E-02	1.52E+01	3.19E-06	0.00E+00	2.98E+03	1.17E-03	2.61E-02	2.80E-01	1.05E-02	4.07E+01	8.35E-07	1.10E-06	1.06E+02	2.96E+00	1.42E-02	4.68E-01	1.47E-01	2.98E+00	3.84E+02	1.17E+01	3.56E-06	9.70E-07	8.49E-02	1.36E-03	5.48E+00	3.50E+00	4.04E+02	6.28E-04	4.04E+02	4.07E+02	8.30E+00	0.00E+00	0.00E+00	0.00E+00	6.37E+00
HNA033Z	1.49E-01	1.54E+01	-6.34E-02	1.52E+01	8.02E-06	0.00E+00	2.64E+03	1.15E-03	2.67E-02	2.87E-01	1.12E-02	4.25E+01	1.25E-06	1.25E-06	9.88E+01	3.37E+00	1.55E-02	4.70E-01	1.56E-01	2.87E+00	3.60E+02	1.16E+01	3.94E-06	1.03E-06	8.68E-02	1.12E-03	5.97E+00	3.28E+00	3.84E+02	1.20E-03	3.84E+02	3.87E+02	9.14E+00	0.00E+00	0.00E+00	3.34E-05	6.78E+00
HNA040H	1.16E-01	1.36E+01	-8.59E-02	1.36E+01	5.14E-06	0.00E+00	2.69E+03	9.41E-04	2.40E-02	2.64E-01	8.81E-03	2.71E+01	1.29E-06	8.42E-07	6.06E+01	2.53E+00	1.19E-02	4.01E-01	1.04E-01	2.69E+00	3.30E+02	1.14E+01	3.53E-06	7.91E-07	7.34E-02	1.10E-03	4.23E+00	3.24E+00	3.41E+02	5.15E-04	3.41E+02	3.49E+02	7.57E+00	0.00E+00	0.00E+00	0.00E+00	4.49E+00
HNA040M	1.07E-01	1.29E+01	-8.04E-02	1.28E+01	2.96E-06	0.00E+00	2.46E+03	9.23E-04	2.34E-02	2.48E-01	8.37E-03	2.99E+01	7.85E-07	7.87E-07	6.28E+01	2.46E+00	1.12E-02	3.96E-01	1.03E-01	2.56E+00	3.22E+02	1.04E+01	3.31E-06	7.76E-07	7.26E-02	1.06E-03	4.01E+00	3.14E+00	3.36E+02	4.93E-04	3.36E+02	3.43E+02	7.37E+00	0.00E+00	0.00E+00	0.00E+00	4.47E+00
HNA040U	1.40E-01	1.30E+01	-7.68E-02	1.27E+01	7.25E-06	0.00E+00	2.24E+03	9.13E-04	2.21E-02	2.33E-01	9.53E-03	3.92E+01	1.23E-06	9.27E-07	7.07E+01	2.48E+00	1.29E-02	4.16E-01	1.19E-01	2.93E+00	3.18E+02	1.13E+01	3.94E-06	8.68E-07	7.24E-02	1.09E-03	4.84E+00	3.05E+00	3.37E+02	8.89E-04	3.37E+02	3.51E+02	8.40E+00	0.00E+00	0.00E+00	2.12E-05	5.25E+00
HNA040Z	1.40E-01	1.31E+01	-7.31E-02	1.28E+01	7.82E-06	0.00E+00	2.24E+03	9.13E-04	2.21E-02	2.35E-01	9.50E-03	3.92E+01	1.23E-06	9.36E-07	7.06E+01	2.49E+00	1.31E-02	4.17E-01	1.20E-01	2.93E+00	3.21E+02	1.14E+01	3.94E-06	8.80E-07	7.26E-02	1.09E-03	4.89E+00	3.13E+00	3.43E+02	1.16E-03	3.43E+02	3.51E+02	8.67E+00	0.00E+00	0.00E+00	3.34E-05	5.25E+00
HNA041H	1.80E-01	1.73E+01	-1.19E-01	1.97E+01	6.93E-06	0.00E+00	3.95E+03	1.25E-03	2.90E-02	3.23E-01	1.65E-02	4.62E+01	1.80E-06	1.43E-06	1.41E+02	3.48E+00	2.59E-02	5.40E-01	1.81E-01	4.18E+00	4.40E+02	1.66E+01	4.50E-06	1.12E-06	9.38E-02	1.50E-03	6.75E+00	5.55E+00	4.66E+02	1.53E-03	4.66E+02	4.62E+02	1.19E+01	0.00E+00	0.00E+00	3.53E-05	7.71E+00
HNA041M	1.41E-01	1.55E+01	-9.26E-02	1.56E+01	3.24E-06	0.00E+00	2.98E+03	1.20E-03	2.60E-02	2.80E-01	1.07E-02	4.13E+01	8.35E-07	1.11E-06	1.06E+02	3.26E+00	1.45E-02	4.68E-01	1.47E-01	3.06E+00	3.84E+02	1.22E+01	3.56E-06	1.00E-06	8.49E-02	1.39E-03	5.50E+00	3.49E+00	4.04E+02	6.38E-04	4.04E+02	4.07E+02	8.39E+00	0.00E+00	0.00E+00	0.00E+00	6.37E+00
HNA041U	1.63E-01	1.60E+01	-6.71E-02	1.58E+01	7.54E-06	0.00E+00	2.92E+03	1.17E-03	2.70E-02	2.92E-01	1.19E-02	4.67E+01	1.31E-06	1.25E-06	1.15E+02	3.44E+00	1.62E-02	4.84E-01	1.65E-01	3.08E+00	3.66E+02	1.39E+01	4.05E-06	1.07E-06	8.72E-02	1.24E-03	6.29E+00	4.58E+00	3.86E+02	9.93E-04	3.86E+02	4.01E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.17E+00
HNA041Z	1.63E-01	1.61E+01	-6.25E-02	1.58E+01	8.11E-06	0.00E+00	2.92E+03	1.17E-03	2.69E-02	2.92E-01	1.19E-02	4.67E+01	1.26E-06	1.25E-06	1.15E+02	3.45E+00	1.63E-02	4.84E-01	1.66E-01	3.01E+00	3.69E+02	1.39E+01	4.05E-06	1.08E-06	8.71E-02	1.21E-03	6.34E+00	4.64E+00	3.92E+02	1.26E-03	3.92E+02	4.00E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.17E+00
HNA050M	1.11E-01	1.29E+01	-8.02E-02	1.31E+01	2.97E-06	0.00E+00	2.49E+03	9.40E-04	2.34E-02	2.48E-01	8.44E-03	3.04E+01	7.85E-07	7.96E-07	6.38E+01	2.63E+00	1.14E-02	3.96E-01	1.04E-01	2.58E+00	3.22E+02	1.08E+01	3.31E-06	7.84E-07	7.26E-02	1.07E-03	4.02E+00	3.14E+00	3.36E+02	5.05E-04	3.36E+02	3.43E+02	7.44E+00	0.00E+00	0.00E+00	0.00E+00	4.50E+00
HNA050Z	1.41E-01	1.32E+01	-7.28E-02	1.28E+01	7.83E-06	0.00E+00	2.24E+03	9.22E-04	2.21E-02	2.35E-01	9.50E-03	3.92E+01	1.23E-06	9.36E-07	7.06E+01	2.52E+00	1.31E-02	4.17E-01	1.20E-01	2.94E+00	3.21E+02	1.15E+01	3.95E-06	8.80E-07	7.27E-02	1.10E-03	4.89E+00	3.13E+00	3.44E+02	1.16E-03	3.44E+02	3.52E+02	8.71E+00	0.00E+00	0.00E+00	3.34E-05	5.26E+00
HNA051M	1.46E-01	1.55E+01	-9.32E-02	1.59E+01	3.32E-06	0.00E+00	3.02E+03	1.21E-03	2.61E-02	2.82E-01	1.08E-02	4.17E+01	8.31E-07	1.11E-06	1.06E+02	3.45E+00	1.46E-02	4.67E-01	1.47E-01	3.11E+00	3.84E+02	1.26E+01	3.58E-06	1.01E-06	8.50E-02	1.42E-03	5.50E+00	3.51E+00	4.04E+02	6.53E-04	4.04E+02	4.07E+02	8.43E+00	0.00E+00	0.00E+00	0.00E+00	6.37E+00
HNA051Z	1.64E-01	1.61E+01	-6.23E-02	1.59E+01	8.12E-06	0.00E+00	2.92E+03	1.18E-03	2.69E-02	2.92E-01	1.19E-02	4.67E+01	1.26E-06	1.25E-06	1.15E+02	3.52E+00	1.63E-02	4.84E-01	1.66E-01	3.01E+00	3.69E+02	1.39E+01	4.05E-06	1.08E-06	8.72E-02	1.21E-03	6.34E+00	4.64E+00	3.92E+02	1.26E-03	3.92E+02	4.01E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.17E+00
HNA063H	1.14E-01	1.34E+01	-8.58E-02	1.31E+01	5.02E-06	0.00E+00	2.62E+03	9.34E-04	2.40E-02	2.64E-01	8.42E-03	2.55E+01	1.29E-06	7.84E-07	5.56E+01	2.46E+00	1.13E-02	4.00E-01	9.63E-02	2.55E+00	3.30E+02	1.13E+01	3.55E-06	7.32E-07	7.33E-02	1.00E-03	4.15E+00	3.11E+00	3.41E+02	4.86E-04	3.41E+02	3.49E+02	7.51E+00	0.00E+00	0.00E+00	0.00E+00	4.15E+00
HNA063M	1.17E-01	1.35E+01	-8.02E-02	1.35E+01	3.01E-06	0.00E+00	2.64E+03	9.40E-04	2.34E-02	2.48E-01	8.65E-03	3.08E+01	7.85E-07	8.15E-07	6.60E+01	2.63E+00	1.16E-02	3.96E-01	1.07E-01	2.61E+00	3.22E+02	1.13E+01	3.33E-06	8.07E-07	7.25E-02	1.10E-03	4.10E+00	3.14E+00	3.35E+02	5.11E-04	3.35E+02	3.43E+02	7.52E+00	0.00E+00	0.00E+00	0.00E+00	4.63E+00
HNA063U	1.41E-01	1.30E+01	-6.99E-02	1.27E+01	7.26E-06	0.00E+00	2.24E+03	9.25E-04	2.21E-02	2.33E-01	9.51E-03	3.97E+01	1.28E-06	9.25E-07	7.14E+01	2.52E+00	1.29E-02	4.16E-01	1.19E-01	2.94E+00	3.18E+02	1.14E+01	3.97E-06	8.55E-07	7.24E-02	1.10E-03	4.84E+00	3.06E+00	3.37E+02	8.91E-04	3.37E+02	3.51E+02	8.43E+00	0.00E+00	0.00E+00	2.12E-05	5.26E+00
HNA063Z	1.41E-01	1.32E+01	-7.27E-02	1.28E+01	7.83E-06	0.00E+00	2.24E+03	9.22E-04	2.21E-02	2.34E-01	9.49E-03	3.92E+01	1.23E-06	9.36E-07	7.06E+01	2.52E+00	1.30E-02	4.17E-01	1.20E-01	2.94E+00	3.21E+02	1.15E+01	3.96E-06	8.72E-07	7.26E-02	1.10E-03	4.89E+00	3.14E+00	3.43E+02	1.16E-03	3.43E+02	3.51E+02	8.69E+00	0.00E+00	0.00E+00	3.34E-05	5.26E+00
HNA064H	1.52E-01	1.67E+01	-1.19E-01	1.68E+01	5.35E-06	0.00E+00	3.31E+03	1.24E-03	2.76E-02	3.02E-01	1.13E-02	4.02E+01	1.24E-06	1.12E-06	1.02E+02	3.49E+00	1.53E-02	4.91E-01	1.44E-01	3.15E+00	4.02E+02	1.40E+01	3.96E-06	1.02E-06	8.69E-02	1.45E-03	5.66E+00	3.58E+00	4.16E+02	6.92E-04	4.16E+02	4.23E+02	8.55E+00	0.00E+00	0.00E+00	0.00E+00	6.20E+00
HNA064M	1.55E-01	1.63E+01	-9.29E-02	1.64E+01	3.29E-06	0.00E+00	3.22E+03	1.21E-03	2.60E-02	2.80E-01	1.10E-02	4.20E+01	8.35E-07	1.11E-06	1.06E+02	3.46E+00	1.49E-02	4.68E-01	1.48E-01	3.14E+00	3.84E+02	1.32E+01	3.62E-06	1.04E-06	8.49E-02	1.45E-03	5.53E+00	3.51E+00	4.04E+02	6.59E-04	4.04E+02	4.07E+02	8.51E+00	0.00E+00	0.00E+00	0.00E+00	6.38E+00
HNA064U	1.64E-01	1.62E+01	-5.50E-02	1.60E+01	7.75E-06	0.00E+00	2.95E+03	1.18E-03	2.71E-02	2.94E-01	1.21E-02	4.69E+01	1.30E-06	1.25E-06	1.15E+02	3.51E+00	1.65E-02	4.89E-01	1.66E-01	3.33E+00	3.71E+02	1.45E+01	4.09E-06	1.07E-06	8.81E-02	1.39E-03	6.38E+00	4.58E+00	3.92E+02	9.96E-04	3.92E+02	4.05E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.22E+00
HNA064Z	1.64E-01	1.64E+01	-6.93E-02	1.61E+01	9.70E-06	0.00E+00	2.92E+03	1.18E-03	2.71E-02	2.95E-01	1.22E-02	4.67E+01	1.26E-06	1.26E-06	1.15E+02	3.53E+00	1.67E-02	4.91E-01	1.67E-01	3.43E+00	3.74E+02	1.45E+01	4.08E-06	1.09E-06	8.83E-02	1.43E-03	6.59E+00	4.66E+00	3.98E+02	1.37E-03	3.98E+02	4.05E+02	1.12E+01	0.00E+00	0.00E+00	4.29E-05	7.22E+00
HNA080H	1.14E-01	1.33E+01	-8.59E-02	1.31E+01	5.02E-06	0.00E+00	2.62E+03	9.35E-04	2.40E-02	2.63E-01	8.42E-03	2.57E+01	1.29E-06	7.83E-07	5.56E+01	2.46E+00	1.13E-02	4.00E-01	9.61E-02	2.54E+00	3.30E+02	1.13E+01	3.55E-06	7.31E-07	7.29E-02	1.00E-03	4.15E+00	3.11E+00	3.41E+02	4.86E-04	3.41E+02	3.49E+02	7.50E+00	0.00E+00	0.00E+00	0.00E+00	4.14E+00
HNA080M	1.15E-01	1.33E+01	-8.02E-02	1.29E+01	2.95E-06	0.00E+00	2.51E+03	9.33E-04	2.34E-02	2.49E-01	8.26E-03	2.89E+01	7.85E-07	7.59E-07	6.04E+01	2.56E+00	1.10E-02	3.96E-01	9.89E-02	2.48E+00	3.22E+02	1.12E+01	3.33E-06	7.51E-07	7.25E-02	9.96E-04	4.02E+00	3.00E+00	3.35E+02	4.83E-04	3.35E+02	3.43E+02	7.44E+00	0.00E+00	0.00E+00	0.00E+00	4.26E+00
HNA080U	1.18E-01	1.34E+01	-8.22E-02	1.35E+01	5.21E-06	0.00E+00	2.26E+03	9.45E-04	2.33E-02	2.56E-01	8.67E-03	2.73E+01	1.28E-06	8.70E-07	6.20E+01	2.60E+00	1.17E-02	3.90E-01	1.07E-01	2.74E+00	3.24E+02	1.12E+01	3.58E-06	8.04E-07	7.11E-02	1.15E-03	4.24E+00	3.29E+00	3.36E+02	5.33E-04	3.36E+02	3.43E+02	7.55E+00	0.00E+00	0.00E+00	0.00E+00	4.58E+00
HNA080Z	1.31E-01	1.29E+01	-7.44E-02	1.27E+01	7.83E-06	0.00E+00	2.24E+03	9.22E-04	2.21E-02	2.34E-01	9.43E-03	3.93E+01	1.00E-06	9.35E-07	7.07E+01	2.52E+00	1.30E-02	4.17E-01	1.19E-01	2.82E+00	3.18E+02	1.14E+01	3.95E-06	8.60E-07	7.21E-02	1.10E-03	4.89E+00	3.13E+00	3.40E+02	1.16E-03	3.40E+02	3.47E+02	8.70E+00	0.00E+00	0.00E+00	3.34E-05	5.20E+00
HNA081H	1.52E-01	1.67E+01	-1.19E-01	1.68E+01	5.35E-06	0.00E+00	3.32E+03	1.24E-03	2.75E-02	3.02E-01	1.13E-02	4.07E+01	1.24E-06	1.12E-06	1.02E+02	3.49E+00	1.53E-02	4.91E-01	1.44E-01	3.15E+00	4.02E+02	1.40E+01	3.96E-06	1.02E-06	8.69E-02	1.45E-03	5.67E+00	3.58E+00	4.16E+02	6.92E-04	4.16E+02	4.23E+02	8.55E+00	0.00E+00	0.00E+00	0.00E+00	6.20E+00
HNA081M	1.55E-01	1.63E+01	-9.26E-02	1.64E+01	3.33E-06	0.00E+00	3.22E+03	1.22E-03	2.60E-02	2.80E-01	1.10E-02	4.20E+01	8.35E-07	1.11E-06	1.06E+02	3.51E+00	1.49E-02	4.68E-01	1.48E-01	3.15E+00	3.84E+02	1.32E+01	3.61E-06	1.04E-06	8.49E-02	1.45E-03	5.54E+00	3.49E+00	4.04E+02	6.59E-04	4.04E+02	4.07E+02	8.56E+00	0.00E+00	0.00E+00	0.00E+00	6.38E+00
HNA081U	1.64E-01	1.59E+01	-5.89E-02	1.57E+01	7.56E-06	0.00E+00	2.95E+03	1.18E-03	2.69E-02	2.91E-01	1.19E-02	4.74E+01	1.30E-06	1.25E-06	1.14E+02	3.50E+00	1.62E-02	4.83E-01	1.65E-01	3.01E+00	3.66E+02	1.38E+01	4.08E-06	1.07E-06	8.70E-02	1.21E-03	6.35E+00	4.58E+00	3.87E+02	9.94E-04	3.87E+02	4.01E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.17E+00
HNA081Z	1.55E-01	1.59E+01	-6.38E-02	1.58E+01	8.13E-06	0.00E+00	2.92E+03	1.18E-03	2.69E-02	2.92E-01	1.19E-02	4.58E+01	1.03E-06	1.25E-06	1.14E+02	3.52E+00	1.63E-02	4.84E-01	1.64E-01	2.87E+00	3.68E+02	1.38E+01	4.06E-06	1.07E-06	8.67E-02	1.19E-03	6.34E+00	4.64E+00	3.90E+02	1.26E-03	3.90E+02	3.97E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.08E+00
HNA100H	1.12E-01	1.30E+01	-8.51E-02	1.27E+01	5.01E-06	0.00E+00	2.33E+03	9.36E-04	2.27E-02	2.50E-01	8.43E-03	2.72E+01	1.26E-06	7.77E-07	5.79E+01	2.47E+00	1.13E-02	4.00E-01	9.43E-02	2.42E+00	3.28E+02	1.12E+01	3.55E-06	7.18E-07	6.88E-02	9.98E-04	4.14E+00	3.11E+00	3.39E+02	4.87E-04	3.39E+02	3.47E+02	7.49E+00	0.00E+00	0.00E+00	0.00E+00	4.06E+00
HNA100M	1.19E-01	1.32E+01	-7.83E-02	1.34E+01	3.17E-06	0.00E+00	2.68E+03	9.49E-04	2.26E-02	2.41E-01	8.87E-03	3.14E+01	7.65E-07	8.33E-07	7.29E+01	2.75E+00	1.20E-02	3.97E-01	1.12E-01	2.54E+00	3.21E+02	1.16E+01	3.35E-06	8.19E-07	7.21E-02	1.14E-03	4.15E+00	3.19E+00	3.33E+02	5.31E-04	3.33E+02	3.42E+02	7.55E+00	0.00E+00	0.00E+00	0.00E+00	4.77E+00
HNA100U	1.30E-01	1.27E+01	-5.62E-02	1.26E+01	7.25E-06	0.00E+00	2.24E+03	9.26E-04	2.13E-02	2.22E-01	9.44E-03	4.21E+01	1.04E-06	9.12E-07	7.67E+01	2.59E+00	1.28E-02	4.16E-01	1.18E-01	2.67E+00	3.12E+02	1.13E+01	3.96E-06	8.33E-07	6.53E-02	1.09E-03	4.83E+00	3.05E+00	3.31E+02	8.92E-04	3.31E+02	3.46E+02	8.42E+00	0.00E+00	0.00E+00	2.22E-05	5.25E+00
HNA100Z	1.30E-01	1.29E+01	-4.33E-02	1.27E+01	7.82E-06	0.00E+00	2.24E+03	9.27E-04	2.13E-02	2.23E-01	9.42E-03	4.21E+01	9.90E-07	9.21E-07	7.69E+01	2.60E+00	1.30E-02	4.18E-01	1.20E-01	2.64E+00	3.16E+02	1.14E+01	3.94E-06	8.45E-07	6.56E-02	1.09E-03	4.88E+00	3.13E+00	3.37E+02	1.16E-03	3.37E+02	3.46E+02	8.69E+00	0.00E+00	0.00E+00	3.44E-05	5.25E+00
HNA101H	1.54E-01	1.66E+01	-1.21E-01	1.67E+01	5.37E-06	0.00E+00	3.58E+03	1.25E-03	2.79E-02	3.07E-01	1.17E-02	4.43E+01	1.22E-06	1.12E-06	1.02E+02	3.48E+00	1.58E-02	4.93E-01	1.44E-01	3.16E+00	4.08E+02	1.40E+01	4.00E-06	1.03E-06	8.69E-02	1.46E-03	5.62E+00	4.48E+00	4.19E+02	7.27E-04	4.19E+02	4.30E+02	1.01E+01	0.00E+00	0.00E+00	0.00E+00	6.21E+00
HNA101M	1.55E-01	1.63E+01	-9.26E-02	1.64E+01	3.33E-06	0.00E+00	3.22E+03	1.22E-03	2.60E-02	2.80E-01	1.10E-02	4.20E+01	8.35E-07	1.11E-06	1.06E+02	3.51E+00	1.49E-02	4.68E-01	1.48E-01	3.15E+00	3.84E+02	1.32E+01	3.62E-06	1.04E-06	8.49E-02	1.45E-03	5.54E+00	3.49E+00	4.04E+02	6.59E-04	4.04E+02	4.07E+02	8.56E+00	0.00E+00	0.00E+00	0.00E+00	6.38E+00
HNA101U	1.55E-01	1.56E+01	-5.23E-02	1.56E+01	7.75E-06	0.00E+00	3.02E+03	1.18E-03	2.68E-02	2.89E-01	1.19E-02	5.05E+01	1.07E-06	1.25E-06	1.14E+02	3.50E+00	1.61E-02	4.74E-01	1.64E-01	2.85E+00	3.61E+02	1.37E+01	4.08E-06	1.06E-06	8.59E-02	1.21E-03	6.35E+00	4.57E+00	3.80E+02	9.90E-04	3.80E+02	3.95E+02	1.07E+01	0.00E+00	0.00E+00	2.22E-05	7.11E+00
HNA101Z	1.55E-01	1.57E+01	-3.36E-02	1.57E+01	8.31E-06	0.00E+00	3.02E+03	1.18E-03	2.68E-02	2.90E-01	1.19E-02	5.05E+01	1.03E-06	1.26E-06	1.14E+02	3.51E+00	1.63E-02	4.75E-01	1.65E-01	2.84E+00	3.64E+02	1.38E+01	4.08E-06	1.07E-06	8.61E-02	1.21E-03	6.42E+00	4.67E+00	3.84E+02	1.24E-03	3.84E+02	3.95E+02	1.10E+01	0.00E+00	0.00E+00	3.44E-05	7.11E+00
HNA125H	1.18E-01	1.27E+01	-7.39E-02	1.25E+01	4.97E-06	0.00E+00	2.64E+03	9.44E-04	2.21E-02	2.41E-01	8.41E-03	3.20E+01	5.60E-07	7.49E-07	6.85E+01	2.66E+00	1.13E-02	4.03E-01	1.02E-01	2.32E+00	3.23E+02	1.13E+01	3.55E-06	7.33E-07	6.74E-02	1.00E-03	4.16E+00	3.10E+00	3.34E+02	5.22E-04	3.34E+02	3.43E+02	7.53E+00	0.00E+00	0.00E+00	0.00E+00	4.41E+00
HNA125M	1.15E-01	1.30E+01	-4.93E-02	1.28E+01	2.95E-06	0.00E+00	2.51E+03	9.34E-04	2.26E-02	2.41E-01	8.26E-03	2.96E+01	7.66E-07	7.51E-07	6.46E+01	2.62E+00	1.11E-02	3.96E-01	1.00E-01	2.38E+00	3.20E+02	1.11E+01	3.34E-06	7.42E-07	7.20E-02	9.93E-04	4.02E+00	3.01E+00	3.33E+02	4.85E-04	3.33E+02	3.41E+02	7.50E+00	0.00E+00	0.00E+00	0.00E+00	4.30E+00
HNA125U	1.30E-01	1.28E+01	-5.31E-02	1.26E+01	7.25E-06	0.00E+00	2.24E+03	9.27E-04	2.14E-02	2.22E-01	9.54E-03	4.20E+01	6.24E-07	9.11E-07	7.72E+01	2.60E+00	1.29E-02	4.16E-01	1.19E-01	2.67E+00	3.13E+02	1.14E+01	3.97E-06	8.40E-07	6.52E-02	1.09E-03	4.85E+00	3.05E+00	3.31E+02	8.94E-04	3.31E+02	3.48E+02	8.43E+00	0.00E+00	0.00E+00	2.12E-05	5.26E+00
HNA125Z	1.30E-01	1.29E+01	-4.64E-02	1.27E+01	7.81E-06	0.00E+00	2.24E+03	9.27E-04	2.14E-02	2.24E-01	9.54E-03	4.20E+01	6.24E-07	9.20E-07	7.70E+01	2.61E+00	1.31E-02	4.17E-01	1.20E-01	2.67E+00	3.17E+02	1.15E+01	3.97E-06	8.53E-07	6.55E-02	1.09E-03	4.90E+00	3.13E+00	3.38E+02	1.16E-03	3.38E+02	3.48E+02	8.70E+00	0.00E+00	0.00E+00	3.34E-05	5.26E+00
HNA126H	1.81E-01	1.73E+01	-1.11E-01	1.98E+01	6.97E-06	0.00E+00	4.09E+03	1.26E-03	2.90E-02	3.24E-01	1.66E-02	5.23E+01	1.44E-06	1.41E-06	1.42E+02	3.58E+00	2.59E-02	5.40E-01	1.84E-01	4.23E+00	4.41E+02	1.68E+01	4.54E-06	1.14E-06	9.41E-02	1.51E-03	6.85E+00	5.54E+00	4.67E+02	1.55E-03	4.67E+02	4.63E+02	1.20E+01	0.00E+00	0.00E+00	3.53E-05	7.83E+00

HNA126M	1.55E-01	1.63E+01	-9.29E-02	1.64E+01	3.33E-06	0.00E+00	3.22E+03	1.22E-03	2.61E-02	2.80E-01	1.10E-02	4.20E+01	8.31E-07	1.11E-06	1.06E+02	3.51E+00	1.49E-02	4.68E-01	1.48E-01	3.15E+00	3.84E+02	1.32E+01	3.62E-06	1.04E-06	8.49E-02	1.45E-03	5.53E+00	3.51E+00	4.04E+02	6.59E-04	4.04E+02	4.07E+02	8.55E+00	0.00E+00	0.00E+00	0.00E+00	6.38E+00
HNA126U	1.56E-01	1.59E+01	-4.42E-02	1.59E+01	7.56E-06	0.00E+00	3.00E+03	1.18E-03	2.71E-02	2.92E-01	1.21E-02	5.04E+01	7.39E-07	1.25E-06	1.15E+02	3.52E+00	1.65E-02	4.90E-01	1.65E-01	3.25E+00	3.70E+02	1.44E+01	4.08E-06	1.06E-06	8.71E-02	1.40E-03	6.38E+00	4.57E+00	3.91E+02	9.96E-04	3.91E+02	4.05E+02	1.08E+01	0.00E+00	0.00E+00	2.12E-05	7.17E+00
HNA126Z	1.56E-01	1.61E+01	-3.61E-02	1.60E+01	8.12E-06	0.00E+00	3.00E+03	1.18E-03	2.71E-02	2.93E-01	1.21E-02	5.04E+01	6.91E-07	1.26E-06	1.15E+02	3.52E+00	1.66E-02	4.91E-01	1.66E-01	3.20E+00	3.73E+02	1.45E+01	4.08E-06	1.07E-06	8.73E-02	1.39E-03	6.43E+00	4.64E+00	3.96E+02	1.26E-03	3.96E+02	4.05E+02	1.10E+01	0.00E+00	0.00E+00	3.34E-05	7.16E+00
HNA160H	1.22E-01	1.29E+01	-6.61E-02	1.30E+01	5.16E-06	0.00E+00	2.74E+03	9.70E-04	2.17E-02	2.39E-01	9.02E-03	3.49E+01	4.17E-07	8.27E-07	7.86E+01	2.85E+00	1.22E-02	4.05E-01	1.14E-01	2.42E+00	3.25E+02	1.17E+01	3.55E-06	7.98E-07	6.68E-02	1.13E-03	4.35E+00	3.21E+00	3.36E+02	5.06E-04	3.36E+02	3.44E+02	7.63E+00	0.00E+00	0.00E+00	0.00E+00	4.90E+00
HNA160M	1.17E-01	1.32E+01	-7.71E-02	1.33E+01	3.04E-06	0.00E+00	2.64E+03	9.48E-04	2.27E-02	2.41E-01	8.65E-03	3.15E+01	7.65E-07	8.05E-07	7.12E+01	2.74E+00	1.17E-02	3.97E-01	1.08E-01	2.51E+00	3.20E+02	1.14E+01	3.34E-06	7.97E-07	7.20E-02	1.10E-03	4.11E+00	3.14E+00	3.33E+02	5.13E-04	3.33E+02	3.41E+02	7.56E+00	0.00E+00	0.00E+00	0.00E+00	4.68E+00
HNA160U	1.30E-01	1.28E+01	-4.74E-02	1.26E+01	7.25E-06	0.00E+00	2.24E+03	9.32E-04	2.13E-02	2.22E-01	9.56E-03	4.24E+01	6.22E-07	9.12E-07	7.73E+01	2.62E+00	1.30E-02	4.17E-01	1.19E-01	2.64E+00	3.13E+02	1.14E+01	3.96E-06	8.37E-07	6.51E-02	1.09E-03	4.85E+00	3.04E+00	3.32E+02	8.74E-04	3.32E+02	3.48E+02	8.43E+00	0.00E+00	0.00E+00	2.22E-05	5.26E+00
HNA160Z	1.30E-01	1.29E+01	-3.89E-02	1.27E+01	7.82E-06	0.00E+00	2.24E+03	9.32E-04	2.13E-02	2.23E-01	9.48E-03	4.24E+01	5.71E-07	9.21E-07	7.72E+01	2.63E+00	1.30E-02	4.18E-01	1.20E-01	2.64E+00	3.16E+02	1.15E+01	3.93E-06	8.48E-07	6.54E-02	1.08E-03	4.90E+00	3.12E+00	3.37E+02	1.14E-03	3.37E+02	3.48E+02	8.70E+00	0.00E+00	0.00E+00	3.44E-05	5.25E+00
HNA161H	1.63E-01	1.69E+01	-7.69E-02	1.70E+01	5.33E-06	0.00E+00	3.62E+03	1.30E-03	2.82E-02	3.10E-01	1.17E-02	4.87E+01	5.52E-07	1.10E-06	1.07E+02	3.81E+00	1.58E-02	5.17E-01	1.52E-01	3.18E+00	4.17E+02	1.51E+01	4.03E-06	1.08E-06	8.78E-02	1.48E-03	5.96E+00	4.31E+00	4.32E+02	6.51E-04	4.32E+02	4.42E+02	1.03E+01	0.00E+00	0.00E+00	0.00E+00	6.52E+00
HNA161M	1.50E-01	1.59E+01	-6.34E-02	1.56E+01	3.04E-06	0.00E+00	3.12E+03	1.21E-03	2.61E-02	2.80E-01	1.04E-02	3.92E+01	8.30E-07	1.10E-06	1.06E+02	3.34E+00	1.40E-02	4.65E-01	1.46E-01	2.89E+00	3.81E+02	1.28E+01	3.60E-06	9.30E-07	8.48E-02	1.25E-03	5.65E+00	3.34E+00	4.00E+02	5.82E-04	4.00E+02	4.04E+02	8.56E+00	0.00E+00	0.00E+00	0.00E+00	6.35E+00
HNA161U	1.56E-01	1.58E+01	-3.83E-02	1.59E+01	7.56E-06	0.00E+00	3.02E+03	1.18E-03	2.70E-02	2.92E-01	1.21E-02	5.09E+01	6.83E-07	1.25E-06	1.15E+02	3.52E+00	1.64E-02	4.80E-01	1.65E-01	3.19E+00	3.67E+02	1.44E+01	4.08E-06	1.06E-06	8.70E-02	1.39E-03	6.41E+00	4.60E+00	3.85E+02	9.80E-04	3.85E+02	4.01E+02	1.08E+01	0.00E+00	0.00E+00	2.22E-05	7.17E+00
HNA161Z	1.56E-01	1.56E+01	-9.93E-02	1.58E+01	3.04E-06	0.00E+00	3.46E+03	1.23E-03	2.61E-02	2.89E-01	1.10E-02	4.47E+01	5.17E-07	1.09E-06	1.06E+02	3.51E+00	1.48E-02	4.67E-01	1.47E-01	2.69E+00	3.84E+02	1.20E+01	3.65E-06	1.01E-06	8.02E-02	1.22E-03	5.59E+00	4.40E+00	3.98E+02	6.27E-04	3.98E+02	4.06E+02	9.98E+00	0.00E+00	0.00E+00	0.00E+00	6.32E+00
HNB100H	1.22E-01	1.02E+01	-7.44E-02	1.03E+01	6.44E-05	0.00E+00	2.68E+03	6.92E-04	8.04E-03	8.61E-02	1.46E-02	9.52E+01	6.98E-08	1.26E-06	1.18E+02	2.22E+00	1.97E-02	2.68E-01	1.74E-01	6.33E+00	1.92E+02	9.26E+00	1.73E-06	1.44E-06	3.31E-02	4.21E-03	5.56E+00	4.59E+00	2.01E+02	5.90E-03	2.01E+02	2.11E+02	1.02E+01	0.00E+00	0.00E+00	0.00E+00	7.45E+00
HNB100U	1.52E-01	1.10E+01	-9.61E-02	1.44E+01	7.11E-05	0.00E+00	3.33E+03	7.71E-04	1.32E-02	1.51E-01	1.95E-02	9.74E+01	8.06E-07	1.55E-06	1.52E+02	2.46E+00	2.93E-02	3.49E-01	2.04E-01	7.19E+00	2.66E+02	1.39E+01	2.61E-06	1.49E-06	4.95E-02	4.46E-03	6.99E+00	5.74E+00	2.95E+02	6.58E-03	2.95E+02	2.82E+02	1.24E+01	0.00E+00	0.00E+00	3.47E-05	8.67E+00
HNB100Z	1.34E-01	1.06E+01	-5.16E-02	1.09E+01	6.14E-05	0.00E+00	2.83E+03	7.09E-04	1.08E-02	1.26E-01	1.47E-02	8.88E+01	9.75E-08	1.23E-06	1.14E+02	2.32E+00	2.00E-02	3.18E-01	1.72E-01	6.28E+00	2.49E+02	1.21E+01	1.88E-06	1.39E-06	3.65E-02	4.24E-03	6.12E+00	4.62E+00	2.58E+02	5.84E-03	2.58E+02	2.61E+02	1.05E+01	0.00E+00	0.00E+00	1.78E-05	7.27E+00
HNB101H	1.86E-01	1.37E+01	-8.76E-02	1.66E+01	8.56E-05	0.00E+00	3.77E+03	8.96E-04	1.50E-02	1.68E-01	2.21E-02	1.20E+02	8.17E-07	1.83E-06	1.76E+02	2.87E+00	3.26E-02	3.70E-01	2.43E-01	8.42E+00	2.85E+02	1.53E+01	2.93E-06	1.91E-06	6.01E-02	5.31E-03	7.81E+00	6.03E+00	3.13E+02	7.69E-03	3.13E+02	3.06E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.03E+01
HNB101U	1.86E-01	1.37E+01	-8.76E-02	1.66E+01	8.56E-05	0.00E+00	3.77E+03	8.96E-04	1.50E-02	1.68E-01	2.21E-02	1.20E+02	8.17E-07	1.83E-06	1.76E+02	2.87E+00	3.26E-02	3.70E-01	2.43E-01	8.42E+00	2.85E+02	1.53E+01	2.93E-06	1.91E-06	6.01E-02	5.31E-03	7.81E+00	6.03E+00	3.13E+02	7.69E-03	3.13E+02	3.06E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.03E+01
HNB101Z	1.29E-01	1.29E+01	-4.29E-02	1.26E+01	7.26E-05	0.00E+00	2.76E+03	7.67E-04	1.05E-02	1.12E-01	1.59E-02	1.12E+02	8.91E-08	1.43E-06	1.32E+02	2.49E+00	2.14E-02	2.75E-01	1.98E-01	7.17E+00	2.03E+02	1.12E+01	1.97E-06	1.79E-06	4.37E-02	4.79E-03	5.99E+00	3.07E+00	2.11E+02	6.69E-03	2.11E+02	2.23E+02	8.41E+00	0.00E+00	0.00E+00	0.00E+00	8.55E+00
HNB102H	1.86E-01	1.37E+01	-8.76E-02	1.66E+01	8.56E-05	0.00E+00	3.77E+03	8.96E-04	1.50E-02	1.68E-01	2.21E-02	1.20E+02	8.17E-07	1.83E-06	1.76E+02	2.87E+00	3.26E-02	3.70E-01	2.43E-01	8.42E+00	2.85E+02	1.53E+01	2.93E-06	1.91E-06	6.01E-02	5.31E-03	7.81E+00	6.03E+00	3.13E+02	7.69E-03	3.13E+02	3.06E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.03E+01
HNB125H	1.56E-01	1.09E+01	-9.86E-02	1.43E+01	6.59E-05	0.00E+00	3.31E+03	7.24E-04	1.33E-02	1.54E-01	1.93E-02	9.71E+01	8.05E-07	1.54E-06	1.51E+02	2.27E+00	2.92E-02	3.49E-01	2.02E-01	7.18E+00	2.67E+02	1.38E+01	2.59E-06	1.49E-06	5.19E-02	4.43E-03	6.94E+00	5.73E+00	2.95E+02	6.55E-03	2.95E+02	2.83E+02	1.22E+01	0.00E+00	0.00E+00	3.33E-05	8.61E+00
HNB125Z	1.51E-01	1.10E+01	-1.01E-01	1.40E+01	6.23E-05	0.00E+00	3.35E+03	7.14E-04	1.34E-02	1.51E-01	1.87E-02	9.45E+01	8.20E-07	1.51E-06	1.42E+02	2.32E+00	2.79E-02	3.44E-01	1.88E-01	6.96E+00	2.62E+02	1.41E+01	2.56E-06	1.44E-06	5.08E-02	4.34E-03	6.90E+00	5.72E+00	2.85E+02	6.32E-03	2.85E+02	2.78E+02	1.22E+01	0.00E+00	0.00E+00	3.18E-05	8.20E+00
HNB126H	1.67E-01	1.32E+01	-8.91E-02	1.34E+01	7.98E-05	0.00E+00	3.75E+03	8.43E-04	1.33E-02	1.48E-01	1.80E-02	1.16E+02	8.84E-08	1.58E-06	1.47E+02	2.66E+00	2.51E-02	3.37E-01	2.15E-01	7.83E+00	2.48E+02	1.43E+01	2.20E-06	1.85E-06	5.11E-02	5.26E-03	7.10E+00	5.55E+00	2.58E+02	7.43E-03	2.58E+02	2.74E+02	1.24E+01	0.00E+00	0.00E+00	9.17E-06	9.24E+00
HNB126U	1.83E-01	1.36E+01	-8.83E-02	1.66E+01	8.43E-05	0.00E+00	3.73E+03	8.87E-04	1.47E-02	1.66E-01	2.18E-02	1.18E+02	8.16E-07	1.80E-06	1.74E+02	2.85E+00	3.24E-02	3.65E-01	2.39E-01	8.28E+00	2.82E+02	1.53E+01	2.90E-06	1.87E-06	5.93E-02	5.23E-03	7.71E+00	5.99E+00	3.09E+02	7.57E-03	3.09E+02	3.02E+02	1.36E+01	0.00E+00	0.00E+00	3.47E-05	1.02E+01
HNB126Z	1.61E-01	1.38E+01	-8.91E-02	1.67E+01	8.17E-05	0.00E+00	3.61E+03	8.93E-04	1.49E-02	1.66E-01	2.19E-02	1.18E+02	8.32E-07	1.81E-06	1.75E+02	2.91E+00	3.24E-02	3.68E-01	2.40E-01	8.37E+00	2.83E+02	1.53E+01	2.92E-06	1.87E-06	5.87E-02	5.26E-03	7.76E+00	5.96E+00	3.11E+02	7.66E-03	3.11E+02	3.03E+02	1.36E+01	0.00E+00	0.00E+00	3.47E-05	1.02E+01
HNB127H	1.86E-01	1.37E+01	-8.76E-02	1.66E+01	8.56E-05	0.00E+00	3.77E+03	8.96E-04	1.49E-02	1.68E-01	2.21E-02	1.20E+02	8.17E-07	1.83E-06	1.76E+02	2.88E+00	3.26E-02	3.70E-01	2.43E-01	8.41E+00	2.85E+02	1.53E+01	2.93E-06	1.90E-06	6.00E-02	5.31E-03	7.81E+00	6.03E+00	3.13E+02	7.69E-03	3.13E+02	3.05E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.03E+01
HNB160H	1.34E-01	1.04E+01	-7.75E-02	1.05E+01	6.37E-05	0.00E+00	2.64E+03	6.82E-04	1.11E-02	1.20E-01	1.44E-02	9.37E+01	6.93E-08	1.24E-06	1.16E+02	2.19E+00	1.95E-02	2.64E-01	1.71E-01	6.25E+00	1.95E+02	9.14E+00	1.71E-06	1.49E-06	4.16E-02	4.15E-03	5.48E+00	4.58E+00	2.04E+02	5.80E-03	2.04E+02	2.14E+02	1.01E+01	0.00E+00	0.00E+00	0.00E+00	7.35E+00
HNB160U	1.21E-01	1.01E+01	6.89E-02	1.00E+01	6.37E-05	0.00E+00	2.64E+03	6.79E-04	7.95E-03	8.57E-02	1.36E-02	9.37E+01	5.13E-08	1.24E-06	1.15E+02	2.19E+00	1.83E-02	2.63E-01	1.70E-01	6.17E+00	1.89E+02	9.08E+00	1.70E-06	1.42E-06	3.29E-02	4.11E-03	5.95E+00	2.67E+00	1.98E+02	5.80E-03	1.98E+02	2.07E+02	8.61E+00	0.00E+00	0.00E+00	0.00E+00	7.31E+00
HNB160Z	1.52E-01	1.10E+01	-9.87E-02	1.40E+01	6.24E-05	0.00E+00	3.38E+03	7.15E-04	1.36E-02	1.53E-01	1.87E-02	9.47E+01	8.20E-07	1.51E-06	1.42E+02	2.33E+00	2.79E-02	3.44E-01	1.89E-01	6.97E+00	2.62E+02	1.41E+01	2.57E-06	1.45E-06	5.18E-02	4.35E-03	6.94E+00	5.72E+00	2.86E+02	6.33E-03	2.86E+02	2.78E+02	1.22E+01	0.00E+00	0.00E+00	3.18E-05	8.22E+00
HNB161H	1.86E-01	1.37E+01	-8.58E-02	1.66E+01	8.56E-05	0.00E+00	3.80E+03	8.96E-04	1.52E-02	1.70E-01	2.21E-02	1.20E+02	8.17E-07	1.83E-06	1.76E+02	2.89E+00	3.26E-02	3.70E-01	2.43E-01	8.41E+00	2.85E+02	1.53E+01	2.93E-06	1.90E-06	6.07E-02	5.31E-03	7.81E+00	6.03E+00	3.13E+02	7.68E-03	3.13E+02	3.06E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.03E+01
HNB161Z	1.61E-01	1.37E+01	-8.75E-02	1.65E+01	8.10E-05	0.00E+00	3.63E+03	8.87E-04	1.51E-02	1.67E-01	2.19E-02	1.17E+02	8.32E-07	1.79E-06	1.75E+02	2.90E+00	3.23E-02	3.65E-01	2.37E-01	8.31E+00	2.82E+02	1.53E+01	2.90E-06	1.85E-06	5.90E-02	5.22E-03	7.72E+00	5.94E+00	3.09E+02	7.60E-03	3.09E+02	3.01E+02	1.36E+01	0.00E+00	0.00E+00	3.47E-05	1.01E+01
HNB162H	1.86E-01	1.37E+01	-8.58E-02	1.66E+01	8.56E-05	0.00E+00	3.80E+03	8.96E-04	1.52E-02	1.70E-01	2.21E-02	1.20E+02	8.17E-07	1.83E-06	1.76E+02	2.89E+00	3.26E-02	3.70E-01	2.43E-01	8.41E+00	2.85E+02	1.53E+01	2.93E-06	1.90E-06	6.07E-02	5.31E-03	7.81E+00	6.03E+00	3.13E+02	7.68E-03	3.13E+02	3.06E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.03E+01
HNB200H	1.29E-01	1.01E+01	-8.47E-02	1.01E+01	6.18E-05	0.00E+00	2.53E+03	6.54E-04	1.08E-02	1.16E-01	1.39E-02	8.99E+01	6.79E-08	1.19E-06	1.11E+02	2.10E+00	1.89E-02	2.53E-01	1.65E-01	6.01E+00	1.88E+02	8.82E+00	1.64E-06	1.43E-06	4.03E-02	3.99E-03	5.24E+00	4.53E+00	1.97E+02	5.57E-03	1.97E+02	2.06E+02	9.77E+00	0.00E+00	0.00E+00	0.00E+00	7.07E+00
HNB200U	1.17E-01	9.73E+00	-1.04E-01	9.84E+00	6.17E-05	0.00E+00	2.54E+03	6.55E-04	7.94E-03	8.49E-02	1.40E-02	8.99E+01	7.03E-08	1.19E-06	1.11E+02	2.10E+00	1.90E-02	2.53E-01	1.65E-01	6.02E+00	1.84E+02	8.81E+00	1.64E-06	1.37E-06	3.22E-02	3.99E-03	5.24E+00	4.78E+00	1.93E+02	5.57E-03	1.93E+02	2.03E+02	1.00E+01	0.00E+00	0.00E+00	0.00E+00	7.07E+00
HNB200Z	1.56E-01	1.12E+01	-9.00E-02	1.45E+01	6.25E-05	0.00E+00	3.44E+03	7.17E-04	1.38E-02	1.58E-01	1.92E-02	9.51E+01	8.20E-07	1.51E-06	1.48E+02	2.38E+00	2.88E-02	3.48E-01	1.98E-01	7.10E+00	2.67E+02	1.43E+01	2.57E-06	1.47E-06	5.35E-02	4.36E-03	6.96E+00	5.71E+00	2.95E+02	6.46E-03	2.95E+02	2.83E+02	1.22E+01	0.00E+00	0.00E+00	3.33E-05	8.42E+00
HNB201H	1.68E-01	1.32E+01	-5.37E-02	1.33E+01	8.13E-05	0.00E+00	3.34E+03	8.61E-04	1.37E-02	1.48E-01	1.80E-02	1.18E+02	8.37E-08	1.57E-06	1.46E+02	2.77E+00	2.44E-02	3.33E-01	2.17E-01	7.89E+00	2.46E+02	1.17E+01	2.16E-06	1.87E-06	5.18E-02	5.24E-03	7.05E+00	5.23E+00	2.58E+02	7.34E-03	2.58E+02	2.70E+02	1.23E+01	0.00E+00	0.00E+00	0.00E+00	9.33E+00
HNB201U	1.86E-01	1.37E+01	-8.76E-02	1.66E+01	8.56E-05	0.00E+00	3.77E+03	8.96E-04	1.49E-02	1.68E-01	2.21E-02	1.20E+02	8.17E-07	1.83E-06	1.76E+02	2.87E+00	3.26E-02	3.70E-01	2.43E-01	8.41E+00	2.85E+02	1.53E+01	2.93E-06	1.91E-06	6.00E-02	5.31E-03	7.81E+00	6.03E+00	3.13E+02	7.69E-03	3.13E+02	3.06E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.03E+01
HNB201Z	1.61E-01	1.37E+01	-8.44E-02	1.65E+01	8.10E-05	0.00E+00	3.65E+03	8.88E-04	1.52E-02	1.69E-01	2.19E-02	1.17E+02	8.31E-07	1.79E-06	1.75E+02	2.93E+00	3.23E-02	3.66E-01	2.37E-01	8.31E+00	2.83E+02	1.53E+01	2.90E-06	1.86E-06	5.98E-02	5.22E-03	7.73E+00	5.97E+00	3.10E+02	7.61E-03	3.10E+02	3.03E+02	1.36E+01	0.00E+00	0.00E+00	3.47E-05	1.01E+01
HNB202H	1.53E-01	1.29E+01	-3.84E-02	1.26E+01	7.89E-05	0.00E+00	2.96E+03	7.99E-04	1.08E-02	1.15E-01	1.70E-02	1.16E+02	7.65E-08	1.54E-06	1.44E+02	2.48E+00	2.33E-02	2.81E-01	2.13E-01	7.57E+00	2.12E+02	1.12E+01	2.07E-06	1.85E-06	4.66E-02	5.06E-03	6.35E+00	3.21E+00	2.19E+02	7.03E-03	2.19E+02	2.34E+02	8.73E+00	0.00E+00	0.00E+00	0.00E+00	9.18E+00
HNB250H	1.34E-01	1.05E+01	-5.22E-02	1.05E+01	6.37E-05	0.00E+00	2.64E+03	6.82E-04	1.11E-02	1.20E-01	1.43E-02	9.38E+01	6.63E-08	1.24E-06	1.16E+02	2.19E+00	1.93E-02	2.64E-01	1.71E-01	6.25E+00	1.95E+02	9.14E+00	1.71E-06	1.49E-06	4.16E-02	4.15E-03	5.55E+00	4.25E+00	2.04E+02	5.81E-03	2.04E+02	2.14E+02	9.81E+00	0.00E+00	0.00E+00	0.00E+00	7.35E+00
HNB250U	1.21E-01	1.01E+01	6.97E-02	1.01E+01	6.37E-05	0.00E+00	2.64E+03	6.80E-04	7.96E-03	8.58E-02	1.36E-02	9.38E+01	5.15E-08	1.24E-06	1.15E+02	2.19E+00	1.84E-02	2.63E-01	1.71E-01	6.17E+00	1.89E+02	9.12E+00	1.70E-06	1.42E-06	3.29E-02	4.11E-03	5.95E+00	2.67E+00	1.98E+02	5.81E-03	1.98E+02	2.07E+02	8.62E+00	0.00E+00	0.00E+00	0.00E+00	7.33E+00
HNB250Z	1.56E-01	1.10E+01	-8.64E-02	1.44E+01	6.24E-05	0.00E+00	3.44E+03	7.18E-04	1.37E-02	1.57E-01	1.91E-02	9.49E+01	8.20E-07	1.51E-06	1.48E+02	2.38E+00	2.87E-02	3.48E-01	1.98E-01	7.09E+00	2.66E+02	1.43E+01	2.57E-06	1.46E-06	5.34E-02	4.36E-03	6.97E+00	5.71E+00	2.93E+02	6.45E-03	2.93E+02	2.82E+02	1.22E+01	0.00E+00	0.00E+00	3.33E-05	8.42E+00
HNB251H	1.68E-01	1.32E+01	-5.38E-02	1.33E+01	8.13E-05	0.00E+00	3.33E+03	8.61E-04	1.37E-02	1.48E-01	1.80E-02	1.18E+02	8.36E-08	1.57E-06	1.46E+02	2.76E+00	2.44E-02	3.33E-01	2.17E-01	7.88E+00	2.46E+02	1.17E+01	2.15E-06	1.87E-06	5.18E-02	5.24E-03	7.04E+00	5.23E+00	2.58E+02	7.33E-03	2.58E+02	2.70E+02	1.23E+01	0.00E+00	0.00E+00	0.00E+00	9.32E+00
HNB251U	1.87E-01	1.37E+01	-7.99E-02	1.66E+01	8.57E-05	0.00E+00	3.82E+03	9.03E-04	1.54E-02	1.72E-01	2.21E-02	1.21E+02	8.16E-07	1.83E-06	1.77E+02	2.92E+00	3.27E-02	3.71E-01	2.43E-01	8.42E+00	2.86E+02	1.54E+01	2.94E-06	1.91E-06	6.16E-02	5.33E-03	7.84E+00	6.07E+00	3.13E+02	7.71E-03	3.13E+02	3.07E+02	1.37E+01	0.00E+00	0.00E+00	3.47E-05	1.04E+01
HNB251Z	1.31E-01	1.28E+01	-3.05E-02	1.24E+01	7.28E-05	0.00E+00	2.78E+03	7.72E-04	1.13E-02	1.20E-01	1.60E-02	1.13E+02	8.73E-08	1.43E-06	1.32E+02	2.56E+00	2.14E-02	2.76E-01	1.98E-01	7.18E+00	2.04E+02	1.12E+01	1.98E-06	1.80E-06	4.55E-02	4.81E-03	6.02E+00	3.08E+00	2.12E+02	6.71E-03	2.12E+02	2.25E+02	8.43E+00	0.00E+00	0.00E+00	0.00E+00	8.57E+00
HNB252H	1.67E-01	1.32E+01	-5.43E-02	1.32E+01	8.11E-05	0.00E+00	3.33E+03	8.58E-04	1.37E-02	1.48E-01	1.80E-02	1.18E+02	8.35E-08	1.57E-06	1.46E+02	2.76E+00	2.44E-02	3.32E-01	2.16E-01	7.86E+00	2.46E+02	1.17E+01	2.15E-06	1.87E-06	5.16E-02	5.23E-03	7.02E+00	5.22E+00	2.57E+02	7.31E-03	2.57E+02	2.70E+02	1.22E+01	0.00E+00	0.00E+00	0.00E+00	9.30E+00
HNJ250DR	4.48E-01	3.79E+01	2.51E-02	3.77E+01	1.04E-04	0.00E+00	8.95E+03	1.94E-03	4.25E-02	4.53E-01	4.82E-02	2.13E+02	9.79E-06	3.89E-06	3.56E+02	5.94E+00	6.50E-02	9.76E-01	4.88E-01	1.51E+01	7.67E+02	2.70E+01	8.46E-06	3.28E-06	1.52E-01	6.49E-03	2.13E+01	1.14E+01	7.99E+02	1.39E-02	7.99E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.57E-04	2.09E+01
HNJ251DR	5.65E-01	4.76E+01	1.11E-01	4.74E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.30E-02	5.68E-01	6.06E-02	2.75E+02	9.85E-06	4.97E-06	4.54E+02	8.30E+00	8.17E-02	1.29E+00	6.16E-01	1.87E+01	9.70E+02	3.48E+01	1.00E-05	4.06E-06	1.92E-01	7.99E-03	2.66E+01	1.34E+01	1.00E+03	1.77E-02	1.00E+03	1.04E+03	4.02E+01	0.00E+00	0.00E+00	6.73E-04	2.65E+01
HNJ320BR	4.28E-01	3.74E+01	2.24E-02	3.74E+01	1.03E-04	0.00E+00	8.89E+03	1.38E-03	4.23E-02	4.55E-01	4.76E-02	2.15E+02	9.33E-06	3.90E-06	3.59E+02	4.27E+00	6.50E-02	9.47E-01	4.83E-01	1.50E+01	7.68E+02	2.67E+01	8.51E-06	3.24E-06	1.51E-01	6.47E-03	2.13E+01	1.14E+01	7.99E+02	1.40E-02	7.99E+02	8.30E+02	3.22E+01	0.00E+00	0.00E+00	5.17E-04	2.07E+01
HNJ320DR	4.48E-01	3.79E+01	2.51E-02	3.77E+01	1.04E-04	0.00E+00	8.95E+03	1.94E-03	4.25E-02	4.53E-01	4.82E-02	2.13E+02	9.79E-06	3.89E-06	3.56E+02	5.94E+00	6.50E-02	9.76E-01	4.88E-01	1.51E+01	7.67E+02	2.70E+01	8.46E-06	3.28E-06	1.52E-01	6.49E-03	2.13E+01	1.14E+01	7.99E+02	1.39E-02	7.99E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.57E-04	2.09E+01
HNJ321DR	5.64E-01	4.75E+01	1.10E-01	4.74E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.31E-02	5.69E-01	6.05E-02	2.75E+02	9.85E-06	4.97E-06	4.54E+02	8.30E+00	8.16E-02	1.28E+00	6.16E-01	1.87E+01	9.71E+02	3.47E+01	1.00E-05	4.06E-06	1.92E-01	7.99E-03	2.67E+01	1.34E+01	1.00E+03	1.77E-02	1.00E+03	1.04E+03	4.02E+01	0.00E+00	0.00E+00	6.73E-04	2.65E+01
HNJ400DR	4.35E-01	3.67E+01	9.62E-03	3.67E+01	9.94E-05	0.00E+00	8.42E+03	2.06E-03	4.11E-02	4.40E-01	4.68E-02	2.05E+02	9.79E-06	3.72E-06	3.42E+02	6.35E+00	6.34E-02	9.70E-01	4.73E-01	1.46E+01	7.50E+02	2.62E+01	8.11E-06	3.15E-06	1.48E-01	6.27E-03	2.07E+01	1.11E+01	7.76E+02	1.31E-02	7.76E+02	8.08E+02	3.19E+01	0.00E+00	0.00E+00	5.54E-04	2.03E+01
HNJ401DR	5.69E-01	4.77E+01	1.14E-01	4.76E+01	1.40E-04	0.00E+00	1.15E+04	2.76E-03	5.37E-02	5.75E-01	6.06E-02	2.72E+02	9.86E-06	4.97E-06	4.55E+02	8.46E+00	8.20E-02	1.33E+00	6.22E-01	1.89E+01	9.77E+02	3.37E+01	9.98E-06	4.11E-06	1.93E-01	7.98E-03	2.70E+01	1.34E+01	1.01E+03	1.74E-02	1.01E+03	1.05E+03	4.04E+01	0.00E+00	0.00E+00	7.38E-04	2.67E+01
HNJ500BR	4.37E-01	3.78E+01	3.33E-02	3.77E+01	1.03E-04	0.00E+00	8.87E+03	1.38E-03	4.27E-02	4.58E-01	4.81E-02	2.23E+02	9.33E-06	3.97E-06	3.69E+02	4.28E+00	6.53E-02	9.16E-01	4.86E-01	1.52E+01	7.69E+02	2.68E+01	8.62E-06	3.30E-06	1.52E-01	6.52E-03	2.16E+01	1.15E+01	8.05E+02	1.61E-02	8.05E+02	8.34E+02	3.24E+01	0.00E+00	0.00E+00	4.18E-04	2.08E+01
HNJ630DE	4.58E-01	3.75E+01	2.73E-02	3.75E+01	9.89E-05	0.00E+00	8.53E+03	1.22E-03	4.24E-02	4.53E-01	4.83E-02	2.30E+02	9.79E-06	3.96E-06	3.73E+02	3.78E+00	6.54E-02	8.59E-01	4.81E-01	1.50E+01	7.62E+02	2.64E+01	8.58E-06	3.31E-06	1.53E-01	6.47E-03	2.16E+01	1.13E+01	7.89E+02	1.76E-02	7.89E+02	8.21E+02	3.28E+01	0.00E+00	0.00E+00	3.32E-04	2.07E+01
HNJ631DE	6.00E-01	4.88E+01	1.37E-01	4.86E+01	1.39E-04	0.00E+00	1.17E+04	1.64E-03	5.52E-02	5.91E-01	6.26E-02	3.04E+02	9.86E-06	5.29E-06	4.97E+02	5.02E+00	8.47E-02	1.17E+00	6.33E-01	1.93E+01	9.92E+02	3.41E+01	1.05E-05	4.31E-06	2.00E-01	8.24E-03	2.81E+01	1.36E+01	1.03E+03	2.35E-02	1.03E+03	1.07E+03	4.17E+01	0.00E+00	0.00E+00	4.43E-04	2.72E+01
HNS025BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.60E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HNS025BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.48E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.80E+00	3.54E+02	1.42E+01	4.02E-06	1.02E-06	7.40E-02	1.24E-03	6.76E+00	5.13E+00	3.75E+02	1.65E-03	3.75E+02	3.81E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.66E+00
HNS025DC	1.19E-01	1.12E+01	-1.81E-01	1.14E+01	2.85E-05	0.00E+00	4.11E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.85E+02	1.26E+01	3.51E-06	8.60E-07	4.01E-02	1.33E-03	6.26E+00	5.18E+00	2.99E+02	2.20E-03	2.99E+02	3.10E+02	1.19E+01	0.00E+00	0.00E+00	2.17E-04	4.56E+00
HNS025DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.23E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.67E-01	1.31E-01	2.71E+00	3.49E+02	1.22E+01	4.01E-06	1.03E-06	7.40E-02	1.20E-03	5.96E+00	4.62E+00	3.67E+02	1.44E-03	3.67E+02	3.77E+02	1.09E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HNS026BC	1.20E-01	1.12E+01	-1.97E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.26E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.27E+01	3.67E-06	9.85E-07	3.99E-02	1.79E-03	6.69E+00	5.30E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.14E-04	5.98E+00
HNS026BR	1.31E-01	1.54E+01	-1.33E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.60E-02	7.66E+01	5.69E-07	1.17E-06	1.05E+02	2.76E+00	2.28E-02	4.80E-01	1.61E-01	3.64E+00	3.62E+02	1.57E+01	4.10E-06	1.30E-06	7.60E-02	1.75E-03	7.07E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.28E-04	7.01E+00
HNS026DC	1.20E-01	1.12E+01	-2.05E-01	1.14E+01	6.49E-05	0.00E+00	4.24E+03	6.68E-04	1.26E-02	1.28E-01	1.27E-02	5.26E+01	4.18E-07	9.75E-07	9.48E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.28E+01	3.67E-06	9.84E-07	4.02E-02	1.79E-03	6.69E+00	5.45E+00	3.04E+02	2.10E-03	3.04E+02	3.16E+02	1.26E+01	0.00E+00	0.00E+00	2.23E-04	5.98E+00
HNS026DR	1.29E-01	1.53E+01	-1.14E-01	1.53E+01	5.64E-05	0.00E+00	3.86E+03	1.02E-03	2.07E-02	2.24E-01	1.57E-02	7.68E+01	5.66E-07	1.12E-06	1.02E+02	2.75E+00	2.15E-02	4.72E-01	1.58E-01	3.47E+00	3.59E+02	1.46E+01	4.04E-06	1.29E-06	7.46E-02	1.73E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HNS040BC	1.16E-01	1.12E+01	-1.86E-01	1.13E+01	2.83E-05	0.00E+00	3.91E+03	6.33E-04	1.09E-02	1.05E-01	1.08E-02	4.16E+01	4.63E-07	7.62E-07	6.64E+01	1.92E+00	1.45E-02	2.68E-01	1.05E-01	3.15E+00	2.22E+02	1.07E+01	3.50E-06	8.59E-07	3.95E-02	1.29E-03	5.59E+00	4.78E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	1.11E+01	0.00E+00	0.00E+00	2.09E-04	4.57E+00
HNS040BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.29E+01	6.48E-07	1.06E-06	8.02E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.80E+00	3.54E+02	1.42E+01	4.02E-06	1.01E-06	7.40E-02	1.24E-03	6.76E+00	5.13E+00	3.74E+02	1.65E-03	3.74E+02	3.81E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.66E+00
HNS040DC	1.16E-01	1.12E+01	-1.83E-01	1.13E+01	2.83E-05	0.00E+00	3.91E+03	6.33E-04	1.09E-02	1.05E-01	1.08E-02	4.16E+01	4.63E-07	7.62E-07	6.64E+01	1.92E+00	1.45E-02	2.68E-01	1.05E-01	3.15E+00	2.22E+02	1.07E+01	3.50E-06	8.59E-07	3.95E-02	1.29E-03	5.59E+00	4.78E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	1.11E+01	0.00E+00	0.00E+00	2.17E-04	4.57E+00
HNS040DR	1.25E-01	1.51E+01	-1.19E-01	1.50E+01	1.95E-05	0.00E+00	3.79E+03	1.01E-03	2.00E-02	2.11E-01	1.19E-02	5.29E+01	6.23E-07	1.06E-06	8.00E+01	2.70E+00	1.68E-02	4.65E-01	1.31E-01	2.71E+00	3.49E+02	1.22E+01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.89E+00	4.66E+00	3.67E+02	1.47E-03	3.67E+02	3.77E+02	1.09E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HNS041BC	1.20E-01	1.12E+01	-1.97E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.26E-01	1.27E-02	5.32E+01	4.16E-07	9.75E-07	9.51E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.67E-06	9.80E-07	3.99E-02	1.79E-03	6.69E+00	5.30E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.25E+01	0.00E+00	0.00E+00	2.14E-04	5.98E+00
HNS041BR	1.31E-01	1.54E+01	-1.32E-01	1.55E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.07E-02	2.28E-01	1.51E-02	6.55E+01	6.08E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.80E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.59E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HNS041DC	1.20E-01	1.12E+01	-2.05E-01	1.14E+01	6.49E-05	0.00E+00	4.62E+03	6.68E-04	1.27E-02	1.29E-01	1.27E-02	5.30E+01	4.18E-07	9.76E-07	9.50E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.65E+00	2.89E+02	1.37E+01	3.68E-06	9.80E-07	4.01E-02	1.80E-03	6.69E+00	5.66E+00	3.04E+02	2.05E-03	3.04E+02	3.16E+02	1.27E+01	0.00E+00	0.00E+00	2.23E-04	5.98E+00
HNS041DR	1.29E-01	1.52E+01	-1.14E-01	1.53E+01	5.12E-05	0.00E+00	3.87E+03	1.02E-03	2.07E-02	2.24E-01	1.56E-02	7.46E+01	5.66E-07	1.12E-06	1.02E+02	2.76E+00	2.12E-02	4.72E-01	1.58E-01	3.47E+00	3.59E+02	1.46E+01	4.05E-06	1.28E-06	7.45E-02	1.71E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HNS050BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.55E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HNS050BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.50E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.02E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HNS051BC	1.20E-01	1.12E+01	-1.98E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.27E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.82E-07	3.99E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.98E+00
HNS051BR	1.31E-01	1.54E+01	-1.32E-01	1.56E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.54E+01	6.08E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.60E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HNS063BC	1.18E-01	1.12E+01	-1.99E-01	1.13E+01	3.03E-05	0.00E+00	4.12E+03	6.50E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.70E-07	7.44E-07	6.55E+01	1.92E+00	1.47E-02	3.13E-01	1.05E-01	3.25E+00	2.85E+02	1.26E+01	3.48E-06	8.75E-07	4.00E-02	1.32E-03	6.50E+00	5.20E+00	3.01E+02	2.35E-03	3.01E+02	3.11E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.55E+00
HNS063BR	1.28E-01	1.51E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.01E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.56E-07	1.06E-06	8.01E+01	2.69E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.54E+02	1.42E+01	3.99E-06	1.02E-06	7.40E-02	1.23E-03	6.79E+00	5.16E+00	3.74E+02	1.65E-03	3.74E+02	3.81E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.66E+00
HNS063DC	1.19E-01	1.12E+01	-1.81E-01	1.13E+01	2.84E-05	0.00E+00	4.11E+03	6.50E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.70E-07	7.44E-07	6.55E+01	1.92E+00	1.47E-02	3.13E-01	1.05E-01	3.25E+00	2.84E+02	1.26E+01	3.48E-06	8.75E-07	4.00E-02	1.32E-03	6.26E+00	5.18E+00	2.99E+02	2.20E-03	2.99E+02	3.08E+02	1.19E+01	0.00E+00	0.00E+00	2.17E-04	4.55E+00
HNS063DR	1.25E-01	1.51E+01	-1.19E-01	1.51E+01	1.94E-05	0.00E+00	3.79E+03	1.00E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.28E-07	1.06E-06	7.99E+01	2.65E+00	1.68E-02	4.66E-01	1.31E-01	2.71E+00	3.48E+02	1.21E+01	3.98E-06	1.03E-06	7.40E-02	1.20E-03	5.99E+00	4.65E+00	3.67E+02	1.44E-03	3.67E+02	3.75E+02	1.09E+01	0.00E+00	0.00E+00	1.31E-04	5.64E+00
HNS064BC	1.20E-01	1.12E+01	-1.98E-01	1.13E+01	6.52E-05	0.00E+00	4.15E+03	6.56E-04	1.26E-02	1.27E-01	1.27E-02	5.28E+01	4.22E-07	9.76E-07	9.50E+01	1.94E+00	1.68E-02	3.13E-01	1.40E-01	3.62E+00	2.88E+02	1.30E+01	3.64E-06	9.91E-07	3.98E-02	1.79E-03	6.69E+00	5.36E+00	3.04E+02	2.17E-03	3.04E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.97E+00
HNS064BR	1.31E-01	1.54E+01	-1.33E-01	1.55E+01	5.76E-05	0.00E+00	4.49E+03	1.01E-03	2.07E-02	2.28E-01	1.60E-02	7.66E+01	5.75E-07	1.17E-06	1.05E+02	2.70E+00	2.28E-02	4.79E-01	1.61E-01	3.63E+00	3.62E+02	1.56E+01	4.07E-06	1.30E-06	7.59E-02	1.74E-03	7.06E+00	5.48E+00	3.77E+02	2.13E-03	3.77E+02	3.89E+02	1.27E+01	0.00E+00	0.00E+00	1.28E-04	7.00E+00
HNS064DC	1.21E-01	1.13E+01	-2.04E-01	1.15E+01	6.51E-05	0.00E+00	4.63E+03	6.57E-04	1.28E-02	1.31E-01	1.28E-02	5.26E+01	4.23E-07	9.93E-07	9.50E+01	1.94E+00	1.73E-02	3.13E-01	1.41E-01	3.69E+00	2.90E+02	1.40E+01	3.73E-06	9.91E-07	4.05E-02	1.81E-03	6.75E+00	5.72E+00	3.04E+02	2.20E-03	3.04E+02	3.20E+02	1.28E+01	0.00E+00	0.00E+00	2.24E-04	6.02E+00
HNS064DR	1.30E-01	1.52E+01	-1.14E-01	1.53E+01	5.76E-05	0.00E+00	3.85E+03	1.01E-03	2.07E-02	2.24E-01	1.58E-02	7.68E+01	5.71E-07	1.13E-06	1.02E+02	2.70E+00	2.15E-02	4.71E-01	1.58E-01	3.46E+00	3.59E+02	1.46E+01	4.01E-06	1.29E-06	7.45E-02	1.72E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.86E+00
HNS080BC	1.16E-01	1.12E+01	-1.86E-01	1.13E+01	2.83E-05	0.00E+00	3.91E+03	6.34E-04	1.10E-02	1.05E-01	1.05E-02	4.07E+01	4.67E-07	7.65E-07	6.62E+01	1.92E+00	1.40E-02	2.67E-01	1.04E-01	3.15E+00	2.21E+02	1.07E+01	3.49E-06	8.67E-07	3.95E-02	1.29E-03	5.45E+00	3.35E+00	2.27E+02	2.13E-03	2.27E+02	2.51E+02	8.43E+00	0.00E+00	0.00E+00	2.09E-04	4.52E+00
HNS080BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.56E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.01E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HNS080DC	1.18E-01	1.12E+01	-1.97E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.70E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.50E-06	8.60E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.25E-04	4.56E+00

HNS080DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.58E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.65E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.01E-06	1.03E-06	7.40E-02	1.20E-03	5.92E+00	4.70E+00	3.68E+02	1.47E-03	3.68E+02	3.77E+02	1.10E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HNS081BC	1.20E-01	1.11E+01	-1.83E-01	1.13E+01	6.49E-05	0.00E+00	4.13E+03	6.67E-04	1.26E-02	1.27E-01	1.27E-02	5.30E+01	4.18E-07	9.74E-07	9.51E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.87E+02	1.30E+01	3.66E-06	9.84E-07	4.02E-02	1.80E-03	6.44E+00	5.34E+00	3.02E+02	2.01E-03	3.02E+02	3.13E+02	1.25E+01	0.00E+00	0.00E+00	2.06E-04	5.98E+00
HNS081BR	1.31E-01	1.54E+01	-1.32E-01	1.56E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.54E+01	6.14E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.09E-06	1.12E-06	7.60E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HNS081DC	1.21E-01	1.14E+01	-2.04E-01	1.15E+01	6.51E-05	0.00E+00	4.63E+03	6.69E-04	1.28E-02	1.31E-01	1.28E-02	5.26E+01	4.23E-07	9.93E-07	9.50E+01	1.98E+00	1.73E-02	3.17E-01	1.41E-01	3.70E+00	2.91E+02	1.40E+01	3.75E-06	9.85E-07	4.07E-02	1.81E-03	6.75E+00	5.72E+00	3.05E+02	2.20E-03	3.05E+02	3.22E+02	1.28E+01	0.00E+00	0.00E+00	2.24E-04	6.03E+00
HNS081DR	1.30E-01	1.53E+01	-1.14E-01	1.53E+01	5.76E-05	0.00E+00	3.85E+03	1.02E-03	2.07E-02	2.24E-01	1.58E-02	7.68E+01	5.71E-07	1.13E-06	1.02E+02	2.75E+00	2.15E-02	4.72E-01	1.58E-01	3.47E+00	3.60E+02	1.46E+01	4.03E-06	1.29E-06	7.46E-02	1.73E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HNS100BC	1.18E-01	1.12E+01	-1.99E-01	1.14E+01	3.04E-05	0.00E+00	4.12E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.07E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	8.60E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.35E-03	3.02E+02	3.13E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	4.56E+00
HNS100BR	1.28E-01	1.52E+01	-1.35E-01	1.51E+01	2.13E-05	0.00E+00	4.00E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.28E+01	6.50E-07	1.06E-06	8.01E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.02E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HNS100DC	1.18E-01	1.12E+01	-1.81E-01	1.14E+01	2.87E-05	0.00E+00	4.11E+03	6.63E-04	1.25E-02	1.25E-01	1.10E-02	4.09E+01	4.64E-07	7.44E-07	6.55E+01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.26E+00	2.85E+02	1.26E+01	3.51E-06	8.60E-07	4.01E-02	1.33E-03	6.26E+00	5.18E+00	2.99E+02	2.20E-03	2.99E+02	3.10E+02	1.19E+01	0.00E+00	0.00E+00	2.17E-04	4.56E+00
HNS100DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.95E-05	0.00E+00	3.79E+03	1.02E-03	2.00E-02	2.11E-01	1.19E-02	5.28E+01	6.24E-07	1.06E-06	7.99E+01	2.70E+00	1.68E-02	4.65E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.02E-06	1.03E-06	7.40E-02	1.20E-03	5.92E+00	4.76E+00	3.68E+02	1.47E-03	3.68E+02	3.77E+02	1.10E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HNS101BC	1.20E-01	1.12E+01	-1.98E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.68E-04	1.25E-02	1.27E-01	1.27E-02	5.28E+01	4.16E-07	9.76E-07	9.50E+01	1.98E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.89E+02	1.30E+01	3.67E-06	9.85E-07	3.99E-02	1.80E-03	6.69E+00	5.36E+00	3.05E+02	2.17E-03	3.05E+02	3.17E+02	1.26E+01	0.00E+00	0.00E+00	2.13E-04	5.98E+00
HNS101BR	1.31E-01	1.54E+01	-1.32E-01	1.56E+01	6.09E-05	0.00E+00	4.49E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.54E+01	6.08E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.60E-02	1.73E-03	7.06E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HNS101DC	1.21E-01	1.14E+01	-2.04E-01	1.15E+01	6.51E-05	0.00E+00	4.63E+03	6.69E-04	1.27E-02	1.31E-01	1.28E-02	5.26E+01	4.18E-07	9.93E-07	9.50E+01	1.98E+00	1.73E-02	3.17E-01	1.41E-01	3.70E+00	2.91E+02	1.40E+01	3.76E-06	9.85E-07	4.07E-02	1.81E-03	6.75E+00	5.72E+00	3.05E+02	2.20E-03	3.05E+02	3.22E+02	1.28E+01	0.00E+00	0.00E+00	2.24E-04	6.03E+00
HNS101DR	1.30E-01	1.53E+01	-1.14E-01	1.53E+01	5.76E-05	0.00E+00	3.85E+03	1.02E-03	2.07E-02	2.24E-01	1.58E-02	7.68E+01	5.66E-07	1.13E-06	1.02E+02	2.75E+00	2.15E-02	4.72E-01	1.58E-01	3.47E+00	3.60E+02	1.46E+01	4.04E-06	1.29E-06	7.46E-02	1.73E-03	6.80E+00	5.04E+00	3.77E+02	1.65E-03	3.77E+02	3.85E+02	1.24E+01	0.00E+00	0.00E+00	1.30E-04	6.87E+00
HNS102DC	1.20E-01	1.12E+01	-2.04E-01	1.14E+01	6.50E-05	0.00E+00	4.63E+03	6.70E-04	1.27E-02	1.29E-01	1.27E-02	5.26E+01	4.18E-07	9.77E-07	9.50E+01	1.98E+00	1.69E-02	3.17E-01	1.40E-01	3.66E+00	2.89E+02	1.40E+01	3.68E-06	9.85E-07	3.90E-02	1.81E-03	6.70E+00	5.72E+00	3.05E+02	2.05E-03	3.05E+02	3.17E+02	1.28E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HNS125BC	1.16E-01	1.12E+01	-1.82E-01	1.13E+01	2.83E-05	0.00E+00	3.92E+03	6.35E-04	1.13E-02	1.07E-01	1.04E-02	4.19E+01	4.60E-07	7.64E-07	6.65E+01	1.92E+00	1.40E-02	2.68E-01	1.04E-01	3.12E+00	2.21E+02	1.07E+01	3.45E-06	8.59E-07	4.06E-02	1.27E-03	5.48E+00	3.37E+00	2.27E+02	2.13E-03	2.27E+02	2.50E+02	8.43E+00	0.00E+00	0.00E+00	2.09E-04	4.53E+00
HNS125BR	1.28E-01	1.52E+01	-1.14E-01	1.51E+01	2.13E-05	0.00E+00	4.03E+03	1.02E-03	2.06E-02	2.20E-01	1.22E-02	5.30E+01	6.46E-07	1.06E-06	8.02E+01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.55E+02	1.42E+01	4.03E-06	1.01E-06	7.34E-02	1.24E-03	6.82E+00	5.16E+00	3.75E+02	1.65E-03	3.75E+02	3.82E+02	1.19E+01	0.00E+00	0.00E+00	1.29E-04	5.67E+00
HNS125DC	1.18E-01	1.12E+01	-1.94E-01	1.14E+01	3.04E-05	0.00E+00	4.18E+03	6.63E-04	1.27E-02	1.27E-01	1.10E-02	4.20E+01	4.64E-07	7.44E-07	6.57E+01	1.96E+00	1.47E-02	3.17E-01	1.05E-01	3.25E+00	2.86E+02	1.27E+01	3.51E-06	8.52E-07	4.12E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.36E-03	3.02E+02	3.12E+02	1.21E+01	0.00E+00	0.00E+00	2.25E-04	4.56E+00
HNS125DR	1.25E-01	1.52E+01	-9.59E-02	1.51E+01	1.95E-05	0.00E+00	3.82E+03	1.02E-03	2.01E-02	2.12E-01	1.19E-02	5.30E+01	6.20E-07	1.06E-06	8.00E+01	2.71E+00	1.68E-02	4.67E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.03E-06	1.02E-06	7.34E-02	1.21E-03	6.04E+00	4.65E+00	3.68E+02	1.44E-03	3.68E+02	3.77E+02	1.10E+01	0.00E+00	0.00E+00	1.31E-04	5.66E+00
HNS126BC	1.21E-01	1.11E+01	-1.79E-01	1.13E+01	6.49E-05	0.00E+00	4.19E+03	6.67E-04	1.28E-02	1.28E-01	1.27E-02	5.41E+01	4.12E-07	9.75E-07	9.52E+01	1.97E+00	1.68E-02	3.17E-01	1.40E-01	3.62E+00	2.87E+02	1.30E+01	3.67E-06	9.79E-07	4.13E-02	1.80E-03	6.46E+00	5.33E+00	3.02E+02	2.01E-03	3.02E+02	3.13E+02	1.25E+01	0.00E+00	0.00E+00	2.06E-04	5.98E+00
HNS126BR	1.31E-01	1.54E+01	-1.10E-01	1.56E+01	6.09E-05	0.00E+00	4.52E+03	1.03E-03	2.08E-02	2.28E-01	1.52E-02	6.57E+01	6.04E-07	1.17E-06	1.05E+02	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.62E+00	3.62E+02	1.56E+01	4.10E-06	1.12E-06	7.54E-02	1.73E-03	7.07E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.90E+02	1.27E+01	0.00E+00	0.00E+00	1.29E-04	6.89E+00
HNS126DC	1.21E-01	1.14E+01	-2.00E-01	1.17E+01	6.52E-05	0.00E+00	4.68E+03	6.71E-04	1.30E-02	1.35E-01	1.30E-02	5.37E+01	4.19E-07	1.02E-06	9.81E+01	1.98E+00	1.80E-02	3.27E-01	1.44E-01	3.76E+00	2.93E+02	1.42E+01	3.77E-06	9.96E-07	4.16E-02	1.81E-03	6.77E+00	5.78E+00	3.05E+02	2.30E-03	3.05E+02	3.22E+02	1.28E+01	0.00E+00	0.00E+00	2.24E-04	6.13E+00
HNS126DR	1.30E-01	1.53E+01	-1.04E-01	1.53E+01	5.78E-05	0.00E+00	3.89E+03	1.02E-03	2.07E-02	2.24E-01	1.58E-02	7.72E+01	5.63E-07	1.13E-06	1.02E+02	2.76E+00	2.16E-02	4.72E-01	1.58E-01	3.48E+00	3.60E+02	1.46E+01	4.05E-06	1.29E-06	7.39E-02	1.73E-03	7.02E+00	5.05E+00	3.77E+02	1.77E-03	3.77E+02	3.85E+02	1.26E+01	0.00E+00	0.00E+00	1.36E-04	6.87E+00
HNS127DC	1.20E-01	1.12E+01	-2.00E-01	1.14E+01	6.50E-05	0.00E+00	4.68E+03	6.71E-04	1.30E-02	1.31E-01	1.27E-02	5.37E+01	4.18E-07	9.78E-07	9.52E+01	1.98E+00	1.69E-02	3.17E-01	1.40E-01	3.66E+00	2.89E+02	1.40E+01	3.68E-06	9.80E-07	4.00E-02	1.81E-03	6.72E+00	5.72E+00	3.05E+02	2.05E-03	3.05E+02	3.16E+02	1.28E+01	0.00E+00	0.00E+00	2.22E-04	5.99E+00
HNS160BC	1.16E-01	1.12E+01	-1.79E-01	1.13E+01	2.82E-05	0.00E+00	4.21E+03	6.44E-04	1.19E-02	1.16E-01	1.09E-02	4.41E+01	4.63E-07	7.44E-07	6.67E+01	1.93E+00	1.46E-02	2.86E-01	1.05E-01	3.19E+00	2.40E+02	1.08E+01	3.51E-06	8.28E-07	4.09E-02	1.32E-03	5.82E+00	5.18E+00	2.48E+02	2.17E-03	2.48E+02	2.67E+02	1.14E+01	0.00E+00	0.00E+00	2.10E-04	4.56E+00
HNS160BR	1.27E-01	1.50E+01	-1.02E-01	1.50E+01	2.13E-05	0.00E+00	4.13E+03	1.02E-03	2.04E-02	2.18E-01	1.22E-02	5.47E+01	6.22E-07	1.06E-06	8.08E+01	2.75E+00	1.74E-02	4.58E-01	1.32E-01	2.75E+00	3.50E+02	1.42E+01	4.03E-06	1.01E-06	6.92E-02	1.24E-03	6.86E+00	5.18E+00	3.69E+02	1.65E-03	3.69E+02	3.76E+02	1.19E+01	0.00E+00	0.00E+00	1.30E-04	5.66E+00
HNS160DC	1.17E-01	1.12E+01	-1.79E-01	1.14E+01	2.87E-05	0.00E+00	4.31E+03	6.65E-04	1.28E-02	1.28E-01	1.10E-02	4.41E+01	4.64E-07	7.40E-07	6.63E+01	1.97E+00	1.46E-02	3.17E-01	1.05E-01	3.20E+00	2.83E+02	1.27E+01	3.51E-06	8.28E-07	4.13E-02	1.33E-03	6.31E+00	5.20E+00	2.98E+02	2.20E-03	2.98E+02	3.08E+02	1.19E+01	0.00E+00	0.00E+00	2.10E-04	4.57E+00
HNS160DR	1.25E-01	1.50E+01	-8.80E-02	1.50E+01	1.94E-05	0.00E+00	3.93E+03	1.02E-03	1.99E-02	2.09E-01	1.19E-02	5.50E+01	5.90E-07	1.06E-06	8.06E+01	2.71E+00	1.68E-02	4.59E-01	1.31E-01	2.65E+00	3.44E+02	1.22E+01	4.03E-06	1.02E-06	6.93E-02	1.21E-03	6.07E+00	4.62E+00	3.62E+02	1.44E-03	3.62E+02	3.71E+02	1.09E+01	0.00E+00	0.00E+00	1.24E-04	5.65E+00
HNS161BC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.52E-05	0.00E+00	4.35E+03	6.70E-04	1.30E-02	1.30E-01	1.27E-02	5.62E+01	4.16E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.68E-06	9.63E-07	4.11E-02	1.80E-03	6.74E+00	5.37E+00	3.03E+02	2.18E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HNS161BR	1.31E-01	1.53E+01	-9.97E-02	1.55E+01	6.09E-05	0.00E+00	4.58E+03	1.03E-03	2.06E-02	2.26E-01	1.52E-02	6.83E+01	5.81E-07	1.17E-06	1.06E+02	2.77E+00	2.17E-02	4.71E-01	1.60E-01	3.62E+00	3.57E+02	1.56E+01	4.11E-06	1.12E-06	7.11E-02	1.73E-03	7.11E+00	5.49E+00	3.72E+02	2.14E-03	3.72E+02	3.85E+02	1.27E+01	0.00E+00	0.00E+00	1.30E-04	6.88E+00
HNS161DC	1.21E-01	1.14E+01	-2.02E-01	1.15E+01	6.51E-05	0.00E+00	4.78E+03	6.71E-04	1.33E-02	1.35E-01	1.28E-02	5.60E+01	4.18E-07	9.93E-07	9.52E+01	1.99E+00	1.72E-02	3.17E-01	1.41E-01	3.71E+00	2.89E+02	1.40E+01	3.77E-06	9.63E-07	4.19E-02	1.81E-03	6.80E+00	5.73E+00	3.03E+02	2.20E-03	3.03E+02	3.20E+02	1.28E+01	0.00E+00	0.00E+00	2.15E-04	6.03E+00
HNS161DR	1.30E-01	1.51E+01	-8.35E-02	1.52E+01	5.76E-05	0.00E+00	3.96E+03	1.02E-03	2.06E-02	2.22E-01	1.58E-02	7.89E+01	5.39E-07	1.12E-06	1.02E+02	2.76E+00	2.15E-02	4.63E-01	1.58E-01	3.47E+00	3.55E+02	1.46E+01	4.05E-06	1.29E-06	6.98E-02	1.73E-03	6.84E+00	5.05E+00	3.71E+02	1.65E-03	3.71E+02	3.79E+02	1.24E+01	0.00E+00	0.00E+00	1.23E-04	6.86E+00
HNS162DC	1.19E-01	1.12E+01	-1.92E-01	1.14E+01	6.52E-05	0.00E+00	4.35E+03	6.70E-04	1.31E-02	1.32E-01	1.27E-02	5.62E+01	4.16E-07	9.75E-07	9.52E+01	1.99E+00	1.68E-02	3.17E-01	1.40E-01	3.63E+00	2.88E+02	1.30E+01	3.69E-06	9.63E-07	4.11E-02	1.80E-03	6.75E+00	5.37E+00	3.03E+02	2.08E-03	3.03E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.14E-04	5.99E+00
HNT050DR	1.69E-01	1.62E+01	-1.93E-01	1.63E+01	5.61E-05	0.00E+00	6.21E+03	9.10E-04	1.79E-02	1.89E-01	1.69E-02	7.97E+01	3.56E-07	1.40E-06	1.30E+02	2.68E+00	2.34E-02	4.79E-01	1.91E-01	4.00E+00	3.77E+02	1.61E+01	4.01E-06	1.37E-06	7.04E-02	2.06E-03	7.48E+00	6.34E+00	3.91E+02	1.88E-03	3.91E+02	4.15E+02	1.35E+01	0.00E+00	0.00E+00	4.13E-05	8.10E+00
HNT051DR	1.98E-01	1.67E+01	-2.42E-01	1.92E+01	5.74E-05	0.00E+00	6.99E+03	1.14E-03	2.01E-02	2.16E-01	2.32E-02	8.36E+01	1.09E-06	1.81E-06	1.80E+02	3.39E+00	3.40E-02	5.03E-01	2.37E-01	4.89E+00	4.06E+02	1.87E+01	4.53E-06	1.42E-06	7.74E-02	2.09E-03	8.66E+00	7.23E+00	4.32E+02	2.34E-03	4.32E+02	4.36E+02	1.61E+01	0.00E+00	0.00E+00	6.15E-05	1.01E+01
HNT063DR	1.68E-01	1.62E+01	-1.93E-01	1.63E+01	5.61E-05	0.00E+00	6.21E+03	9.10E-04	1.79E-02	1.89E-01	1.69E-02	7.97E+01	3.56E-07	1.40E-06	1.30E+02	2.67E+00	2.34E-02	4.79E-01	1.91E-01	4.00E+00	3.77E+02	1.61E+01	4.01E-06	1.37E-06	7.04E-02	2.05E-03	7.48E+00	6.34E+00	3.91E+02	1.88E-03	3.91E+02	4.15E+02	1.35E+01	0.00E+00	0.00E+00	4.13E-05	8.10E+00
HNT064DR	1.97E-01	1.67E+01	-2.42E-01	1.92E+01	5.74E-05	0.00E+00	6.99E+03	1.14E-03	2.01E-02	2.16E-01	2.32E-02	8.36E+01	1.09E-06	1.81E-06	1.80E+02	3.39E+00	3.40E-02	5.03E-01	2.37E-01	4.89E+00	4.06E+02	1.87E+01	4.53E-06	1.42E-06	7.74E-02	2.08E-03	8.66E+00	7.23E+00	4.32E+02	2.34E-03	4.32E+02	4.36E+02	1.61E+01	0.00E+00	0.00E+00	6.15E-05	1.01E+01
HNT100BR	1.78E-01	1.76E+01	-8.23E-02	2.05E+01	6.59E-05	0.00E+00	5.85E+03	1.11E-03	2.41E-02	2.61E-01	2.05E-02	9.10E+01	1.76E-06	1.81E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.31E-01	5.01E+00	4.21E+02	1.74E+01	4.96E-06	1.37E-06	8.70E-02	1.85E-03	8.71E+00	6.69E+00	4.59E+02	3.42E-03	4.59E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HNT100DR	1.60E-01	1.70E+01	-8.01E-02	1.76E+01	6.42E-05	0.00E+00	5.18E+03	1.09E-03	2.29E-02	2.46E-01	1.67E-02	8.77E+01	1.05E-06	1.52E-06	1.47E+02	3.31E+00	2.33E-02	5.31E-01	2.10E-01	4.22E+00	3.93E+02	1.55E+01	4.37E-06	1.32E-06	7.99E-02	1.84E-03	7.74E+00	5.82E+00	4.19E+02	2.71E-03	4.19E+02	4.19E+02	1.35E+01	0.00E+00	0.00E+00	6.79E-05	8.73E+00
HNT101BR	1.86E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.20E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.77E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	4.99E-06	1.40E-06	9.11E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HNT101DR	1.86E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.20E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.77E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	4.99E-06	1.40E-06	9.11E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HNT102DR	1.97E-01	1.67E+01	-2.42E-01	1.92E+01	6.22E-05	0.00E+00	7.06E+03	1.13E-03	2.02E-02	2.16E-01	2.24E-02	7.36E+01	1.13E-06	1.80E-06	1.80E+02	3.39E+00	3.27E-02	5.04E-01	2.36E-01	4.87E+00	4.06E+02	1.86E+01	4.53E-06	1.27E-06	7.74E-02	2.06E-03	8.63E+00	7.23E+00	4.32E+02	2.40E-03	4.32E+02	4.37E+02	1.61E+01	0.00E+00	0.00E+00	1.05E-04	9.94E+00
HNT125BR	1.78E-01	1.76E+01	-8.23E-02	2.05E+01	6.59E-05	0.00E+00	5.85E+03	1.11E-03	2.41E-02	2.61E-01	2.05E-02	9.10E+01	1.75E-06	1.81E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.31E-01	5.01E+00	4.21E+02	1.74E+01	4.98E-06	1.37E-06	8.70E-02	1.85E-03	8.71E+00	6.69E+00	4.58E+02	3.42E-03	4.58E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HNT125DR	1.60E-01	1.70E+01	-7.81E-02	1.76E+01	6.43E-05	0.00E+00	5.19E+03	1.09E-03	2.29E-02	2.45E-01	1.67E-02	8.78E+01	1.05E-06	1.52E-06	1.47E+02	3.31E+00	2.33E-02	5.31E-01	2.10E-01	4.21E+00	3.93E+02	1.54E+01	4.39E-06	1.32E-06	7.98E-02	1.83E-03	7.74E+00	5.75E+00	4.19E+02	2.72E-03	4.19E+02	4.19E+02	1.34E+01	0.00E+00	0.00E+00	6.79E-05	8.73E+00
HNT126BR	1.85E-01	1.77E+01	-8.39E-02	2.10E+01	7.01E-05	0.00E+00	6.33E+03	1.21E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.76E-06	1.91E-06	1.91E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	5.00E-06	1.40E-06	9.09E-02	1.87E-03	9.02E+00	7.01E+00	4.67E+02	3.72E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HNT126DR	1.85E-01	1.77E+01	-8.22E-02	2.10E+01	7.05E-05	0.00E+00	6.34E+03	1.21E-03	2.57E-02	2.70E-01	2.18E-02	9.30E+01	1.76E-06	1.91E-06	1.91E+02	3.70E+00	3.42E-02	5.66E-01	2.53E-01	5.21E+00	4.24E+02	1.85E+01	5.00E-06	1.40E-06	9.09E-02	1.86E-03	9.02E+00	6.94E+00	4.67E+02	3.74E-03	4.67E+02	4.53E+02	1.58E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HNT127DR	1.97E-01	1.67E+01	-2.39E-01	1.92E+01	6.24E-05	0.00E+00	7.09E+03	1.13E-03	2.02E-02	2.15E-01	2.24E-02	7.38E+01	1.12E-06	1.80E-06	1.80E+02	3.40E+00	3.27E-02	5.04E-01	2.36E-01	4.86E+00	4.06E+02	1.86E+01	4.54E-06	1.27E-06	7.74E-02	2.05E-03	8.63E+00	7.14E+00	4.32E+02	2.42E-03	4.32E+02	4.37E+02	1.60E+01	0.00E+00	0.00E+00	1.05E-04	9.94E+00
HNT160BR	1.78E-01	1.76E+01	-4.89E-02	2.05E+01	6.59E-05	0.00E+00	5.86E+03	1.11E-03	2.41E-02	2.61E-01	2.05E-02	9.11E+01	1.75E-06	1.82E-06	1.76E+02	3.33E+00	3.19E-02	5.62E-01	2.32E-01	5.01E+00	4.21E+02	1.74E+01	4.98E-06	1.37E-06	8.70E-02	1.85E-03	8.73E+00	6.69E+00	4.59E+02	3.42E-03	4.59E+02	4.47E+02	1.49E+01	0.00E+00	0.00E+00	9.70E-05	9.70E+00
HNT160DR	1.60E-01	1.70E+01	-4.67E-02	1.76E+01	6.43E-05	0.00E+00	5.20E+03	1.09E-03	2.30E-02	2.46E-01	1.67E-02	8.80E+01	1.05E-06	1.53E-06	1.47E+02	3.31E+00	2.32E-02	5.31E-01	2.11E-01	4.22E+00	3.93E+02	1.55E+01	4.39E-06	1.32E-06	7.99E-02	1.84E-03	7.77E+00	5.82E+00	4.19E+02	2.71E-03	4.19E+02	4.19E+02	1.35E+01	0.00E+00	0.00E+00	6.79E-05	8.73E+00
HNT161BR	1.86E-01	1.77E+01	-4.96E-02	2.10E+01	7.01E-05	0.00E+00	6.34E+03	1.21E-03	2.57E-02	2.71E-01	2.18E-02	9.31E+01	1.76E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	5.00E-06	1.40E-06	9.11E-02	1.87E-03	9.04E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HNT161DR	1.86E-01	1.77E+01	-4.96E-02	2.10E+01	7.01E-05	0.00E+00	6.34E+03	1.21E-03	2.57E-02	2.71E-01	2.18E-02	9.31E+01	1.76E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.66E-01	2.53E-01	5.22E+00	4.24E+02	1.86E+01	5.00E-06	1.40E-06	9.11E-02	1.87E-03	9.04E+00	7.01E+00	4.67E+02	3.76E-03	4.67E+02	4.53E+02	1.59E+01	0.00E+00	0.00E+00	9.97E-05	1.04E+01
HNT162DR	1.98E-01	1.68E+01	-2.40E-01	1.93E+01	6.70E-05	0.00E+00	7.20E+03	1.17E-03	2.04E-02	2.16E-01	2.25E-02	7.48E+01	1.12E-06	1.81E-06	1.80E+02	3.55E+00	3.28E-02	5.04E-01	2.36E-01	4.87E+00	4.06E+02	1.87E+01	4.56E-06	1.27E-06	7.75E-02	2.06E-03	8.65E+00	7.23E+00	4.32E+02	2.40E-03	4.32E+02	4.38E+02	1.62E+01	0.00E+00	0.00E+00	1.12E-04	9.96E+00
HNT200BR	1.78E-01	1.74E+01	-4.01E-02	2.05E+01	6.61E-05	0.00E+00	5.57E+03	1.11E-03	2.40E-02	2.59E-01	2.05E-02	9.28E+01	1.65E-06	1.81E-06	1.76E+02	3.34E+00	3.19E-02	5.53E-01	2.31E-01	5.00E+00	4.18E+02	1.72E+01	4.98E-06	1.37E-06	8.30E-02	1.83E-03	8.67E+00	6.59E+00	4.54E+02	3.43E-03	4.54E+02	4.43E+02	1.46E+01	0.00E+00	0.00E+00	9.83E-05	9.70E+00
HNT200DR	1.59E-01	1.68E+01	-3.64E-02	1.75E+01	6.45E-05	0.00E+00	5.26E+03	1.09E-03	2.28E-02	2.43E-01	1.67E-02	8.96E+01	9.50E-07	1.53E-06	1.47E+02	3.31E+00	2.32E-02	5.21E-01	2.11E-01	4.21E+00	3.90E+02	1.54E+01	4.39E-06	1.32E-06	7.53E-02	1.83E-03	7.71E+00	5.72E+00	4.14E+02	2.70E-03	4.14E+02	4.15E+02	1.31E+01	0.00E+00	0.00E+00	7.72E-05	8.73E+00
HNT201BR	1.85E-01	1.75E+01	-4.15E-02	2.09E+01	7.05E-05	0.00E+00	6.05E+03	1.21E-03	2.58E-02	2.69E-01	2.18E-02	9.48E+01	1.66E-06	1.91E-06	1.91E+02	3.69E+00	3.42E-02	5.58E-01	2.53E-01	5.21E+00	4.21E+02	1.83E+01	5.00E-06	1.40E-06	8.82E-02	1.86E-03	9.00E+00	6.91E+00	4.62E+02	3.73E-03	4.62E+02	4.50E+02	1.55E+01	0.00E+00	0.00E+00	1.01E-04	1.04E+01
HNT201DR	1.98E-01	1.65E+01	-2.20E-01	1.91E+01	5.78E-05	0.00E+00	7.04E+03	1.15E-03	1.97E-02	2.11E-01	2.31E-02	8.44E+01	9.87E-07	1.81E-06	1.79E+02	3.41E+00	3.40E-02	4.91E-01	2.38E-01	4.88E+00	4.00E+02	1.86E+01	4.56E-06	1.42E-06	7.00E-02	2.08E-03	8.62E+00	7.06E+00	4.23E+02	2.34E-03	4.23E+02	4.27E+02	1.57E+01	0.00E+00	0.00E+00	6.91E-05	1.01E+01
HNT202DR	1.97E-01	1.65E+01	-2.21E-01	1.91E+01	6.26E-05	0.00E+00	7.10E+03	1.13E-03	1.98E-02	2.11E-01	2.23E-02	7.53E+01	1.03E-06	1.80E-06	1.79E+02	3.41E+00	3.27E-02	4.92E-01	2.36E-01	4.86E+00	4.00E+02	1.85E+01	4.55E-06	1.26E-06	7.00E-02	2.05E-03	8.59E+00	7.06E+00	4.24E+02	2.40E-03	4.24E+02	4.29E+02	1.57E+01	0.00E+00	0.00E+00	1.12E-04	9.95E+00
HNT250BR	1.80E-01	1.75E+01	-3.91E-02	2.04E+01	6.58E-05	0.00E+00	6.44E+03	1.11E-03	2.41E-02	2.59E-01	2.06E-02	9.29E+01	1.72E-06	1.82E-06	1.76E+02	3.35E+00	3.19E-02	5.51E-01	2.32E-01	5.00E+00	4.16E+02	1.79E+01	4.98E-06	1.36E-06	8.30E-02	1.87E-03	8.78E+00	6.77E+00	4.52E+02	3.42E-03	4.52E+02	4.42E+02	1.49E+01	0.00E+00	0.00E+00	9.80E-05	9.71E+00
HNT250DR	1.44E-01	1.32E+01	-3.03E-01	1.35E+01	4.08E-05	0.00E+00	6.24E+03	8.74E-04	1.46E-02	1.59E-01	1.63E-02	5.56E+01	1.37E-07	1.16E-06	1.13E+02	2.62E+00	2.20E-02	3.83E-01	1.59E-01	3.35E+00	3.16E+02	1.75E+01	3.20E-06	9.68E-07	5.09E-02	1.70E-03	6.38E+00	6.90E+00	3.34E+02	9.04E-04	3.34E+02	3.47E+02	1.33E+01	0.00E+00	0.00E+00	0.00E+00	6.82E+00
HNT251BR	1.87E-01	1.76E+01	-4.06E-02	2.09E+01	7.01E-05	0.00E+00	6.94E+03	1.21E-03	2.58E-02	2.69E-01	2.19E-02	9.49E+01	1.72E-06	1.91E-06	1.92E+02	3.69E+00	3.42E-02	5.56E-01	2.53E-01	5.22E+00	4.19E+02	1.91E+01	5.00E-06	1.40E-06	8.81E-02	1.89E-03	9.08E+00	7.10E+00	4.61E+02	3.72E-03	4.61E+02	4.49E+02	1.59E+01	0.00E+00	0.00E+00	1.01E-04	1.04E+01
HNT251DR	1.82E-01	1.61E+01	-2.69E-01	1.64E+01	5.28E-05	0.00E+00	7.71E+03	1.15E-03	1.76E-02	1.91E-01	1.95E-02	7.75E+01	1.61E-07	1.53E-06	1.48E+02	3.41E+00	2.64E-02	4.66E-01	2.06E-01	3.80E+00	3.70E+02	1.94E+01	4.01E-06	1.32E-06	6.19E-02	1.85E-03	8.01E+00	7.13E+00	3.90E+02	1.36E-03	3.90E+02	4.05E+02	1.51E+01	0.00E+00	0.00E+00	0.00E+00	8.86E+00
HNT252DR	2.00E-01	1.66E+01	-2.42E-01	1.91E+01	6.19E-05	0.00E+00	7.47E+03	1.13E-03	1.97E-02	2.12E-01	2.24E-02	7.51E+01	1.12E-06	1.80E-06	1.80E+02	3.40E+00	3.28E-02	4.89E-01	2.36E-01	4.88E+00	3.97E+02	1.91E+01	4.55E-06	1.26E-06	7.00E-02	2.08E-03	8.69E+00	7.38E+00	4.22E+02	2.41E-03	4.22E+02	4.27E+02	1.62E+01	0.00E+00	0.00E+00	1.05E-04	9.94E+00
HNW250DR	4.50E-01	3.80E+01	4.52E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.26E-02	4.54E-01	4.83E-02	2.16E+02	9.79E-06	3.94E-06	3.61E+02	4.26E+00	6.53E-02	9.60E-01	4.89E-01	1.51E+01	7.69E+02	2.69E+01	8.50E-06	3.30E-06	1.53E-01	6.51E-03	2.14E+01	1.15E+01	8.01E+02	1.40E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.16E-04	2.09E+01
HNW251DR	5.65E-01	4.75E+01	8.58E-02	4.74E+01	1.45E-04	0.00E+00	1.22E+04	2.72E-03	5.30E-02	5.68E-01	6.06E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.31E+00	8.17E-02	1.28E+00	6.15E-01	1.86E+01	9.72E+02	3.48E+01	1.00E-05	4.06E-06	1.92E-01	8.01E-03	2.64E+01	1.35E+01	1.01E+03	1.81E-02	1.01E+03	1.04E+03	4.00E+01	0.00E+00	0.00E+00	6.49E-04	2.65E+01
HNW320BR	4.28E-01	3.74E+01	8.76E-03	3.74E+01	1.02E-04	0.00E+00	8.82E+03	1.38E-03	4.23E-02	4.55E-01	4.76E-02	2.15E+02	9.33E-06	3.90E-06	3.59E+02	4.26E+00	6.50E-02	9.47E-01	4.83E-01	1.50E+01	7.68E+02	2.67E+01	8.51E-06	3.24E-06	1.51E-01	6.47E-03	2.13E+01	1.14E+01	7.99E+02	1.40E-02	7.99E+02	8.30E+02	3.22E+01	0.00E+00	0.00E+00	5.16E-04	2.07E+01
HNW320DR	4.50E-01	3.80E+01	4.52E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.26E-02	4.54E-01	4.83E-02	2.16E+02	9.79E-06	3.94E-06	3.61E+02	4.26E+00	6.53E-02	9.60E-01	4.89E-01	1.51E+01	7.69E+02	2.69E+01	8.50E-06	3.30E-06	1.53E-01	6.51E-03	2.14E+01	1.15E+01	8.01E+02	1.40E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.16E-04	2.09E+01
HNW321BR	5.24E-01	4.58E+01	6.34E-02	4.58E+01	1.48E-04	0.00E+00	1.26E+04	2.49E-03	5.06E-02	5.54E-01	5.84E-02	2.68E+02	9.38E-06	4.90E-06	4.45E+02	7.58E+00	7.95E-02	1.24E+00	5.95E-01	1.77E+01	9.52E+02	3.52E+01	9.85E-06	3.89E-06	1.85E-01	7.87E-03	2.53E+01	1.33E+01	9.85E+02	1.70E-02	9.85E+02	1.02E+03	3.77E+01	0.00E+00	0.00E+00	6.44E-04	2.55E+01
HNW321DR	5.64E-01	4.74E+01	8.49E-02	4.74E+01	1.45E-04	0.00E+00	1.22E+04	2.72E-03	5.31E-02	5.70E-01	6.06E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.32E+00	8.16E-02	1.27E+00	6.15E-01	1.86E+01	9.72E+02	3.47E+01	1.00E-05	4.06E-06	1.92E-01	8.01E-03	2.65E+01	1.35E+01	1.01E+03	1.81E-02	1.01E+03	1.04E+03	4.00E+01	0.00E+00	0.00E+00	6.49E-04	2.65E+01
HNW400DR	4.50E-01	3.79E+01	2.83E-03	3.78E+01	1.04E-04	0.00E+00	8.84E+03	1.50E-03	4.25E-02	4.54E-01	4.82E-02	2.17E+02	9.79E-06	3.92E-06	3.58E+02	4.67E+00	6.50E-02	9.62E-01	4.88E-01	1.51E+01	7.68E+02	2.68E+01	8.40E-06	3.30E-06	1.53E-01	6.50E-03	2.14E+01	1.14E+01	7.99E+02	1.41E-02	7.99E+02	8.33E+02	3.30E+01	0.00E+00	0.00E+00	4.81E-04	2.09E+01
HNW401DR	5.68E-01	4.75E+01	8.56E-02	4.75E+01	1.43E-04	0.00E+00	1.20E+04	2.72E-03	5.32E-02	5.71E-01	6.05E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.31E+00	8.17E-02	1.27E+00	6.16E-01	1.86E+01	9.72E+02	3.41E+01	9.97E-06	4.09E-06	1.92E-01	8.00E-03	2.66E+01	1.34E+01	1.01E+03	1.82E-02	1.01E+03	1.04E+03	4.01E+01	0.00E+00	0.00E+00	6.36E-04	2.65E+01
HNW500BR	4.37E-01	3.78E+01	1.08E-02	3.77E+01	1.03E-04	0.00E+00	8.81E+03	1.37E-03	4.27E-02	4.58E-01	4.81E-02	2.23E+02	9.33E-06	3.97E-06	3.69E+02	4.27E+00	6.53E-02	9.16E-01	4.86E-01	1.52E+01	7.69E+02	2.67E+01	8.61E-06	3.30E-06	1.52E-01	6.52E-03	2.15E+01	1.15E+01	8.05E+02	1.61E-02	8.05E+02	8.34E+02	3.24E+01	0.00E+00	0.00E+00	4.18E-04	2.07E+01
HNW501BR	5.35E-01	4.61E+01	6.74E-02	4.63E+01	1.47E-04	0.00E+00	1.25E+04	2.48E-03	5.14E-02	5.57E-01	5.89E-02	2.78E+02	9.38E-06	4.96E-06	4.59E+02	7.58E+00	8.04E-02	1.20E+00	5.96E-01	1.79E+01	9.57E+02	3.47E+01	9.98E-06	3.99E-06	1.87E-01	7.91E-03	2.55E+01	1.33E+01	9.90E+02	1.90E-02	9.90E+02	1.03E+03	3.78E+01	0.00E+00	0.00E+00	5.11E-04	2.55E+01
HPW250DR	4.50E-01	3.80E+01	4.52E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.26E-02	4.54E-01	4.83E-02	2.16E+02	9.79E-06	3.94E-06	3.61E+02	4.26E+00	6.53E-02	9.60E-01	4.89E-01	1.51E+01	7.69E+02	2.69E+01	8.50E-06	3.30E-06	1.53E-01	6.51E-03	2.14E+01	1.15E+01	8.01E+02	1.40E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.16E-04	2.09E+01
HPW251DR	5.65E-01	4.75E+01	8.58E-02	4.74E+01	1.45E-04	0.00E+00	1.22E+04	2.72E-03	5.30E-02	5.68E-01	6.06E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.31E+00	8.17E-02	1.28E+00	6.15E-01	1.86E+01	9.72E+02	3.48E+01	1.00E-05	4.06E-06	1.92E-01	8.01E-03	2.64E+01	1.35E+01	1.01E+03	1.81E-02	1.01E+03	1.04E+03	4.00E+01	0.00E+00	0.00E+00	6.49E-04	2.65E+01
HPW320BR	4.28E-01	3.74E+01	8.76E-03	3.74E+01	1.02E-04	0.00E+00	8.82E+03	1.38E-03	4.23E-02	4.55E-01	4.76E-02	2.15E+02	9.33E-06	3.90E-06	3.59E+02	4.26E+00	6.50E-02	9.47E-01	4.83E-01	1.50E+01	7.68E+02	2.67E+01	8.51E-06	3.24E-06	1.51E-01	6.47E-03	2.13E+01	1.14E+01	7.99E+02	1.40E-02	7.99E+02	8.30E+02	3.22E+01	0.00E+00	0.00E+00	5.16E-04	2.07E+01
HPW320DR	4.50E-01	3.80E+01	4.52E-03	3.78E+01	1.04E-04	0.00E+00	8.87E+03	1.38E-03	4.26E-02	4.54E-01	4.83E-02	2.16E+02	9.79E-06	3.94E-06	3.61E+02	4.26E+00	6.53E-02	9.60E-01	4.89E-01	1.51E+01	7.69E+02	2.69E+01	8.50E-06	3.30E-06	1.53E-01	6.51E-03	2.14E+01	1.15E+01	8.01E+02	1.40E-02	8.01E+02	8.35E+02	3.30E+01	0.00E+00	0.00E+00	5.16E-04	2.09E+01
HPW321BR	5.24E-01	4.58E+01	6.34E-02	4.58E+01	1.48E-04	0.00E+00	1.26E+04	2.49E-03	5.06E-02	5.54E-01	5.84E-02	2.68E+02	9.38E-06	4.90E-06	4.45E+02	7.58E+00	7.95E-02	1.24E+00	5.95E-01	1.77E+01	9.52E+02	3.52E+01	9.85E-06	3.89E-06	1.85E-01	7.87E-03	2.53E+01	1.33E+01	9.85E+02	1.70E-02	9.85E+02	1.02E+03	3.77E+01	0.00E+00	0.00E+00	6.44E-04	2.55E+01
HPW321DR	5.63E-01	4.74E+01	8.44E-02	4.74E+01	1.46E-04	0.00E+00	1.23E+04	2.72E-03	5.30E-02	5.68E-01	6.06E-02	2.76E+02	9.85E-06	5.02E-06	4.57E+02	8.32E+00	8.16E-02	1.27E+00	6.14E-01	1.86E+01	9.71E+02	3.49E+01	1.00E-05	4.06E-06	1.92E-01	8.01E-03	2.64E+01	1.35E+01	1.00E+03	1.81E-02	1.00E+03	1.04E+03	4.00E+01	0.00E+00	0.00E+00	6.49E-04	2.65E+01
HPW400DR	4.50E-01	3.79E+01	2.83E-03	3.78E+01	1.04E-04	0.00E+00	8.84E+03	1.50E-03	4.25E-02	4.54E-01	4.82E-02	2.17E+02	9.79E-06	3.92E-06	3.58E+02	4.67E+00	6.50E-02	9.62E-01	4.88E-01	1.51E+01	7.68E+02	2.68E+01	8.40E-06	3.30E-06	1.53E-01	6.50E-03	2.14E+01	1.14E+01	7.99E+02	1.41E-02	7.99E+02	8.33E+02	3.30E+01	0.00E+00	0.00E+00	4.81E-04	2.09E+01
HPW401DR	5.68E-01	4.75E+01	8.56E-02	4.75E+01	1.43E-04	0.00E+00	1.20E+04	2.72E-03	5.32E-02	5.71E-01	6.05E-02	2.76E+02	9.85E-06	5.01E-06	4.57E+02	8.31E+00	8.17E-02	1.27E+00	6.16E-01	1.86E+01	9.72E+02	3.41E+01	9.97E-06	4.09E-06	1.92E-01	8.00E-03	2.66E+01	1.34E+01	1.01E+03	1.82E-02	1.01E+03	1.04E+03	4.01E+01	0.00E+00	0.00E+00	6.36E-04	2.65E+01
HPW500BR	4.37E-01	3.78E+01	1.08E-02	3.77E+01	1.03E-04	0.00E+00	8.81E+03	1.37E-03	4.27E-02	4.58E-01	4.81E-02	2.23E+02	9.33E-06	3.97E-06	3.69E+02	4.27E+00	6.53E-02	9.16E-01	4.86E-01	1.52E+01	7.69E+02	2.67E+01	8.61E-06	3.30E-06	1.52E-01	6.52E-03	2.15E+01	1.15E+01	8.05E+02	1.61E-02	8.05E+02	8.34E+02	3.24E+01	0.00E+00	0.00E+00	4.18E-04	2.07E+01
HPW501BR	5.35E-01	4.61E+01	6.74E-02	4.63E+01	1.47E-04	0.00E+00	1.25E+04	2.48E-03	5.14E-02	5.57E-01	5.89E-02	2.78E+02	9.38E-06	4.96E-06	4.59E+02	7.58E+00	8.04E-02	1.20E+00	5.96E-01	1.79E+01	9.57E+02	3.47E+01	9.98E-06	3.99E-06	1.87E-01	7.91E-03	2.55E+01	1.33E+01	9.90E+02	1.90E-02	9.90E+02	1.03E+03	3.78E+01	0.00E+00	0.00E+00	5.11E-04	2.55E+01
HST050DR	1.67E-01	1.61E+01	-1.86E-01	1.61E+01	5.62E-05	0.00E+00	5.75E+03	8.97E-04	1.77E-02	1.83E-01	1.67E-02	8.01E+01	3.48E-07	1.35E-06	1.28E+02	2.66E+00	2.23E-02	4.70E-01	1.87E-01	3.86E+00	3.75E+02	1.49E+01	3.94E-06	1.36E-06	6.90E-02	2.04E-03	7.43E+00	5.93E+00	3.91E+02	1.63E-03	3.91E+02	4.10E+02	1.33E+01	0.00E+00	0.00E+00	4.01E-05	7.99E+00
HST051DR	1.98E-01	1.68E+01	-2.42E-01	1.93E+01	6.26E-05	0.00E+00	7.12E+03	1.18E-03	2.03E-02	2.16E-01	2.33E-02	8.46E+01	1.09E-06	1.82E-06	1.80E+02	3.55E+00	3.41E-02	5.03E-01	2.38E-01	4.89E+00	4.06E+02	1.87E+01	4.54E-06	1.42E-06	7.74E-02	2.09E-03	8.68E+00	7.23E+00	4.32E+02	2.34E-03	4.32E+02	4.37E+02	1.62E+01	0.00E+00	0.00E+00	6.83E-05	1.01E+01
HST063DR	1.68E-01	1.62E+01	-1.93E-01	1.63E+01	5.61E-05	0.00E+00	6.21E+03	9.06E-04	1.79E-02	1.89E-01	1.69E-02	7.97E+01	3.55E-07	1.40E-06	1.30E+02	2.67E+00	2.34E-02	4.79E-01	1.91E-01	4.00E+00	3.77E+02	1.61E+01	4.01E-06	1.37E-06	7.04E-02	2.05E-03	7.48E+00	6.34E+00	3.91E+02	1.88E-03	3.91E+02	4.15E+02	1.35E+01	0.00E+00	0.00E+00	4.13E-05	8.10E+00
HST064DR	1.98E-01	1.68E+01	-2.42E-01	1.93E+01	6.26E-05	0.00E+00	7.12E+03	1.18E-03	2.03E-02	2.16E-01	2.33E-02	8.46E+01	1.09E-06	1.82E-06	1.80E+02	3.54E+00	3.41E-02	5.03E-01	2.38E-01	4.89E+00	4.06E+02	1.87E+01	4.54E-06	1.42E-06	7.74E-02	2.08E-03	8.68E+00	7.23E+00	4.32E+02	2.34E-03	4.32E+02	4.37E+02	1.62E+01	0.00E+00	0.00E+00	6.83E-05	1.01E+01

Distribution A4

HST100DR	1.69E-01	1.62E+01	-1.93E-01	1.64E+01	5.61E-05	0.00E+00	6.21E+03	9.06E-04	1.79E-02	1.89E-01	1.69E-02	7.97E+01	3.55E-07	1.40E-06	1.30E+02	2.67E+00	2.34E-02	4.79E-01	1.91E-01	4.00E+00	3.77E+02	1.61E+01	4.02E-06	1.37E-06	7.04E-02	2.06E-03	7.48E+00	6.34E+00	3.91E+02	1.88E-03	3.91E+02	4.15E+02	1.35E+01	0.00E+00	0.00E+00	4.13E-05	8.10E+00
HST101DR	1.98E-01	1.68E+01	-2.42E-01	1.93E+01	6.26E-05	0.00E+00	7.12E+03	1.18E-03	2.03E-02	2.16E-01	2.33E-02	8.46E+01	1.09E-06	1.82E-06	1.80E+02	3.55E+00	3.41E-02	5.03E-01	2.38E-01	4.89E+00	4.06E+02	1.87E+01	4.55E-06	1.42E-06	7.74E-02	2.09E-03	8.68E+00	7.23E+00	4.32E+02	2.34E-03	4.32E+02	4.37E+02	1.62E+01	0.00E+00	0.00E+00	6.83E-05	1.01E+01
HST125DR	1.69E-01	1.62E+01	-1.90E-01	1.64E+01	5.60E-05	0.00E+00	6.23E+03	9.11E-04	1.79E-02	1.88E-01	1.69E-02	7.97E+01	3.50E-07	1.40E-06	1.30E+02	2.68E+00	2.34E-02	4.79E-01	1.91E-01	3.99E+00	3.77E+02	1.61E+01	4.03E-06	1.37E-06	7.04E-02	2.05E-03	7.48E+00	6.25E+00	3.91E+02	1.91E-03	3.91E+02	4.15E+02	1.34E+01	0.00E+00	0.00E+00	4.13E-05	8.10E+00
HST126DR	1.80E-01	1.62E+01	-2.45E-01	1.64E+01	5.53E-05	0.00E+00	7.00E+03	1.13E-03	1.89E-02	1.97E-01	1.95E-02	7.91E+01	3.61E-07	1.58E-06	1.51E+02	3.37E+00	2.70E-02	4.79E-01	2.12E-01	4.09E+00	3.76E+02	1.79E+01	4.06E-06	1.37E-06	7.08E-02	2.08E-03	8.05E+00	6.81E+00	3.91E+02	1.92E-03	3.91E+02	4.15E+02	1.49E+01	0.00E+00	0.00E+00	3.81E-05	9.06E+00
HST160DR	1.69E-01	1.62E+01	-1.88E-01	1.64E+01	5.61E-05	0.00E+00	6.23E+03	9.11E-04	1.79E-02	1.89E-01	1.69E-02	7.99E+01	3.50E-07	1.40E-06	1.30E+02	2.68E+00	2.34E-02	4.79E-01	1.91E-01	4.00E+00	3.77E+02	1.61E+01	4.03E-06	1.37E-06	7.05E-02	2.06E-03	7.50E+00	6.34E+00	3.91E+02	1.88E-03	3.91E+02	4.15E+02	1.35E+01	0.00E+00	0.00E+00	4.13E-05	8.10E+00
HST161DR	1.98E-01	1.67E+01	-2.40E-01	1.92E+01	5.74E-05	0.00E+00	7.00E+03	1.14E-03	2.02E-02	2.16E-01	2.32E-02	8.36E+01	1.08E-06	1.81E-06	1.80E+02	3.39E+00	3.40E-02	5.03E-01	2.37E-01	4.89E+00	4.06E+02	1.87E+01	4.55E-06	1.42E-06	7.75E-02	2.09E-03	8.66E+00	7.23E+00	4.32E+02	2.34E-03	4.32E+02	4.36E+02	1.61E+01	0.00E+00	0.00E+00	6.15E-05	1.01E+01
HST200DR	1.68E-01	1.60E+01	-1.70E-01	1.63E+01	5.63E-05	0.00E+00	6.27E+03	9.13E-04	1.74E-02	1.85E-01	1.69E-02	8.07E+01	2.53E-07	1.40E-06	1.30E+02	2.69E+00	2.33E-02	4.66E-01	1.91E-01	3.99E+00	3.71E+02	1.61E+01	4.04E-06	1.38E-06	6.21E-02	2.05E-03	7.43E+00	6.16E+00	3.82E+02	1.89E-03	3.82E+02	4.06E+02	1.31E+01	0.00E+00	0.00E+00	4.81E-05	8.11E+00
HST201DR	1.98E-01	1.65E+01	-2.20E-01	1.91E+01	5.78E-05	0.00E+00	7.04E+03	1.15E-03	1.97E-02	2.11E-01	2.31E-02	8.44E+01	9.87E-07	1.81E-06	1.79E+02	3.41E+00	3.40E-02	4.91E-01	2.38E-01	4.88E+00	4.00E+02	1.86E+01	4.56E-06	1.42E-06	7.00E-02	2.08E-03	8.62E+00	7.06E+00	4.23E+02	2.34E-03	4.23E+02	4.27E+02	1.57E+01	0.00E+00	0.00E+00	6.91E-05	1.01E+01
HST250DR	1.71E-01	1.61E+01	-1.86E-01	1.63E+01	5.57E-05	0.00E+00	6.65E+03	9.14E-04	1.73E-02	1.85E-01	1.70E-02	7.97E+01	3.49E-07	1.40E-06	1.31E+02	2.71E+00	2.34E-02	4.63E-01	1.91E-01	4.01E+00	3.67E+02	1.67E+01	4.04E-06	1.37E-06	6.19E-02	2.08E-03	7.55E+00	6.49E+00	3.79E+02	1.90E-03	3.79E+02	4.04E+02	1.35E+01	0.00E+00	0.00E+00	4.13E-05	8.11E+00
HST251DR	2.00E-01	1.65E+01	-2.42E-01	1.91E+01	5.70E-05	0.00E+00	7.40E+03	1.15E-03	1.97E-02	2.11E-01	2.33E-02	8.35E+01	1.08E-06	1.81E-06	1.80E+02	3.40E+00	3.41E-02	4.88E-01	2.37E-01	4.90E+00	3.97E+02	1.92E+01	4.56E-06	1.42E-06	6.99E-02	2.11E-03	8.72E+00	7.38E+00	4.21E+02	2.35E-03	4.21E+02	4.26E+02	1.62E+01	0.00E+00	0.00E+00	6.15E-05	1.01E+01
HEJ630DE	4.61E-01	3.84E+01	3.16E-02	3.81E+01	1.04E-04	0.00E+00	8.93E+03	1.37E-03	4.31E-02	4.58E-01	4.89E-02	2.25E+02	9.79E-06	4.01E-06	3.72E+02	4.27E+00	6.57E-02	9.22E-01	4.92E-01	1.54E+01	7.71E+02	2.70E+01	8.62E-06	3.37E-06	1.54E-01	6.57E-03	2.17E+01	1.15E+01	8.07E+02	1.66E-02	8.07E+02	8.39E+02	3.33E+01	0.00E+00	0.00E+00	4.16E-04	2.10E+01
HEJ631DE	5.82E-01	4.80E+01	1.20E-01	4.80E+01	1.41E-04	0.00E+00	1.20E+04	2.72E-03	5.41E-02	5.78E-01	6.14E-02	2.89E+02	9.85E-06	5.13E-06	4.78E+02	8.30E+00	8.30E-02	1.21E+00	6.21E-01	1.89E+01	9.78E+02	3.42E+01	1.02E-05	4.20E-06	1.95E-01	8.10E-03	2.72E+01	1.35E+01	1.01E+03	2.10E-02	1.01E+03	1.05E+03	4.07E+01	0.00E+00	0.00E+00	5.13E-04	2.67E+01
HEJ631EE	5.80E-01	4.79E+01	1.16E-01	4.79E+01	1.42E-04	0.00E+00	1.15E+04	2.72E-03	5.36E-02	5.72E-01	6.13E-02	2.89E+02	9.76E-06	5.10E-06	4.75E+02	8.30E+00	8.28E-02	1.22E+00	6.19E-01	1.88E+01	9.77E+02	3.41E+01	1.02E-05	4.19E-06	1.94E-01	8.03E-03	2.70E+01	1.35E+01	1.01E+03	2.06E-02	1.01E+03	1.05E+03	4.06E+01	0.00E+00	0.00E+00	5.23E-04	2.66E+01
HEJ632DE	5.81E-01	4.80E+01	1.20E-01	4.80E+01	1.41E-04	0.00E+00	1.20E+04	2.72E-03	5.41E-02	5.77E-01	6.13E-02	2.88E+02	9.85E-06	5.12E-06	4.75E+02	8.30E+00	8.29E-02	1.21E+00	6.20E-01	1.89E+01	9.77E+02	3.42E+01	1.02E-05	4.19E-06	1.95E-01	8.08E-03	2.72E+01	1.35E+01	1.01E+03	2.07E-02	1.01E+03	1.05E+03	4.06E+01	0.00E+00	0.00E+00	5.18E-04	2.67E+01
HEW630DE	4.61E-01	3.84E+01	9.11E-03	3.81E+01	1.04E-04	0.00E+00	8.86E+03	1.37E-03	4.31E-02	4.58E-01	4.89E-02	2.25E+02	9.79E-06	4.01E-06	3.73E+02	4.26E+00	6.57E-02	9.21E-01	4.92E-01	1.54E+01	7.72E+02	2.69E+01	8.61E-06	3.37E-06	1.55E-01	6.57E-03	2.17E+01	1.15E+01	8.07E+02	1.66E-02	8.07E+02	8.39E+02	3.32E+01	0.00E+00	0.00E+00	4.16E-04	2.10E+01
HEW631DE	5.81E-01	4.80E+01	9.31E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.77E-01	6.14E-02	2.89E+02	9.85E-06	5.14E-06	4.78E+02	8.31E+00	8.29E-02	1.21E+00	6.18E-01	1.88E+01	9.79E+02	3.42E+01	1.02E-05	4.20E-06	1.95E-01	8.10E-03	2.69E+01	1.35E+01	1.01E+03	2.10E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.13E-04	2.67E+01
HEW632DE	5.80E-01	4.79E+01	9.26E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.76E-01	6.12E-02	2.88E+02	9.85E-06	5.12E-06	4.76E+02	8.31E+00	8.29E-02	1.21E+00	6.17E-01	1.88E+01	9.78E+02	3.42E+01	1.02E-05	4.18E-06	1.94E-01	8.09E-03	2.69E+01	1.35E+01	1.01E+03	2.07E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.18E-04	2.67E+01
HHJ630DE	4.61E-01	3.84E+01	3.16E-02	3.81E+01	1.04E-04	0.00E+00	8.93E+03	1.37E-03	4.31E-02	4.58E-01	4.89E-02	2.25E+02	9.79E-06	4.01E-06	3.72E+02	4.27E+00	6.57E-02	9.22E-01	4.92E-01	1.54E+01	7.71E+02	2.70E+01	8.62E-06	3.37E-06	1.54E-01	6.57E-03	2.17E+01	1.15E+01	8.07E+02	1.66E-02	8.07E+02	8.39E+02	3.33E+01	0.00E+00	0.00E+00	4.16E-04	2.10E+01
HHJ631EE	5.80E-01	4.79E+01	1.16E-01	4.79E+01	1.42E-04	0.00E+00	1.15E+04	2.72E-03	5.36E-02	5.72E-01	6.13E-02	2.89E+02	9.76E-06	5.10E-06	4.75E+02	8.30E+00	8.28E-02	1.22E+00	6.19E-01	1.88E+01	9.77E+02	3.41E+01	1.02E-05	4.19E-06	1.94E-01	8.03E-03	2.70E+01	1.35E+01	1.01E+03	2.06E-02	1.01E+03	1.05E+03	4.06E+01	0.00E+00	0.00E+00	5.23E-04	2.66E+01
HHJ632DE	5.81E-01	4.80E+01	1.20E-01	4.80E+01	1.41E-04	0.00E+00	1.20E+04	2.72E-03	5.41E-02	5.77E-01	6.13E-02	2.88E+02	9.85E-06	5.12E-06	4.75E+02	8.30E+00	8.29E-02	1.21E+00	6.20E-01	1.89E+01	9.77E+02	3.42E+01	1.02E-05	4.19E-06	1.95E-01	8.08E-03	2.72E+01	1.35E+01	1.01E+03	2.07E-02	1.01E+03	1.05E+03	4.06E+01	0.00E+00	0.00E+00	5.18E-04	2.67E+01
HHW630DE	4.61E-01	3.84E+01	9.11E-03	3.81E+01	1.04E-04	0.00E+00	8.86E+03	1.37E-03	4.31E-02	4.58E-01	4.89E-02	2.25E+02	9.79E-06	4.01E-06	3.73E+02	4.26E+00	6.57E-02	9.21E-01	4.92E-01	1.54E+01	7.72E+02	2.69E+01	8.61E-06	3.37E-06	1.55E-01	6.57E-03	2.17E+01	1.15E+01	8.07E+02	1.66E-02	8.07E+02	8.39E+02	3.32E+01	0.00E+00	0.00E+00	4.16E-04	2.10E+01
HHW631DE	5.81E-01	4.80E+01	9.31E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.77E-01	6.14E-02	2.89E+02	9.85E-06	5.14E-06	4.78E+02	8.31E+00	8.29E-02	1.21E+00	6.18E-01	1.88E+01	9.79E+02	3.42E+01	1.02E-05	4.20E-06	1.95E-01	8.10E-03	2.69E+01	1.35E+01	1.01E+03	2.10E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.13E-04	2.67E+01
HHW632DE	5.80E-01	4.79E+01	9.26E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.76E-01	6.12E-02	2.88E+02	9.85E-06	5.12E-06	4.76E+02	8.31E+00	8.29E-02	1.21E+00	6.17E-01	1.88E+01	9.78E+02	3.42E+01	1.02E-05	4.18E-06	1.94E-01	8.09E-03	2.69E+01	1.35E+01	1.01E+03	2.07E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.18E-04	2.67E+01
HMJ631DE	5.82E-01	4.80E+01	1.20E-01	4.80E+01	1.41E-04	0.00E+00	1.20E+04	2.72E-03	5.41E-02	5.78E-01	6.14E-02	2.89E+02	9.85E-06	5.13E-06	4.78E+02	8.30E+00	8.30E-02	1.21E+00	6.21E-01	1.89E+01	9.78E+02	3.42E+01	1.02E-05	4.20E-06	1.95E-01	8.10E-03	2.72E+01	1.35E+01	1.01E+03	2.10E-02	1.01E+03	1.05E+03	4.07E+01	0.00E+00	0.00E+00	5.13E-04	2.67E+01
HMJ631EE	5.80E-01	4.79E+01	1.16E-01	4.79E+01	1.42E-04	0.00E+00	1.15E+04	2.72E-03	5.36E-02	5.72E-01	6.13E-02	2.89E+02	9.76E-06	5.10E-06	4.75E+02	8.30E+00	8.28E-02	1.22E+00	6.19E-01	1.88E+01	9.77E+02	3.41E+01	1.02E-05	4.19E-06	1.94E-01	8.03E-03	2.70E+01	1.35E+01	1.01E+03	2.06E-02	1.01E+03	1.05E+03	4.06E+01	0.00E+00	0.00E+00	5.23E-04	2.66E+01
HMJ632DE	5.81E-01	4.80E+01	1.20E-01	4.80E+01	1.41E-04	0.00E+00	1.20E+04	2.72E-03	5.41E-02	5.77E-01	6.13E-02	2.88E+02	9.85E-06	5.12E-06	4.75E+02	8.30E+00	8.29E-02	1.21E+00	6.20E-01	1.89E+01	9.77E+02	3.42E+01	1.02E-05	4.19E-06	1.95E-01	8.08E-03	2.72E+01	1.35E+01	1.01E+03	2.07E-02	1.01E+03	1.05E+03	4.06E+01	0.00E+00	0.00E+00	5.18E-04	2.67E+01
HMW630DE	4.61E-01	3.84E+01	9.11E-03	3.81E+01	1.04E-04	0.00E+00	8.86E+03	1.37E-03	4.31E-02	4.58E-01	4.89E-02	2.25E+02	9.79E-06	4.01E-06	3.73E+02	4.26E+00	6.57E-02	9.21E-01	4.92E-01	1.54E+01	7.72E+02	2.69E+01	8.61E-06	3.37E-06	1.55E-01	6.57E-03	2.17E+01	1.15E+01	8.07E+02	1.66E-02	8.07E+02	8.39E+02	3.32E+01	0.00E+00	0.00E+00	4.16E-04	2.10E+01
HMW631DE	5.81E-01	4.80E+01	9.31E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.77E-01	6.14E-02	2.89E+02	9.85E-06	5.14E-06	4.78E+02	8.31E+00	8.29E-02	1.21E+00	6.18E-01	1.88E+01	9.79E+02	3.42E+01	1.02E-05	4.20E-06	1.95E-01	8.10E-03	2.69E+01	1.35E+01	1.01E+03	2.10E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.13E-04	2.67E+01
HMW632DE	5.80E-01	4.79E+01	9.26E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.76E-01	6.12E-02	2.88E+02	9.85E-06	5.12E-06	4.76E+02	8.31E+00	8.29E-02	1.21E+00	6.17E-01	1.88E+01	9.78E+02	3.42E+01	1.02E-05	4.18E-06	1.94E-01	8.09E-03	2.69E+01	1.35E+01	1.01E+03	2.07E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.18E-04	2.67E+01
HNJ631EE	5.80E-01	4.79E+01	1.16E-01	4.79E+01	1.42E-04	0.00E+00	1.15E+04	2.72E-03	5.36E-02	5.72E-01	6.13E-02	2.89E+02	9.76E-06	5.10E-06	4.75E+02	8.30E+00	8.28E-02	1.22E+00	6.19E-01	1.88E+01	9.77E+02	3.41E+01	1.02E-05	4.19E-06	1.94E-01	8.03E-03	2.70E+01	1.35E+01	1.01E+03	2.06E-02	1.01E+03	1.05E+03	4.06E+01	0.00E+00	0.00E+00	5.23E-04	2.66E+01
HNJ632DE	5.81E-01	4.80E+01	1.20E-01	4.80E+01	1.41E-04	0.00E+00	1.20E+04	2.72E-03	5.41E-02	5.77E-01	6.13E-02	2.88E+02	9.85E-06	5.12E-06	4.75E+02	8.30E+00	8.29E-02	1.21E+00	6.20E-01	1.89E+01	9.77E+02	3.42E+01	1.02E-05	4.19E-06	1.95E-01	8.08E-03	2.72E+01	1.35E+01	1.01E+03	2.07E-02	1.01E+03	1.05E+03	4.06E+01	0.00E+00	0.00E+00	5.18E-04	2.67E+01
HNW630DE	4.61E-01	3.84E+01	9.11E-03	3.81E+01	1.04E-04	0.00E+00	8.86E+03	1.37E-03	4.31E-02	4.58E-01	4.89E-02	2.25E+02	9.79E-06	4.01E-06	3.73E+02	4.26E+00	6.57E-02	9.21E-01	4.92E-01	1.54E+01	7.72E+02	2.69E+01	8.61E-06	3.37E-06	1.55E-01	6.57E-03	2.17E+01	1.15E+01	8.07E+02	1.66E-02	8.07E+02	8.39E+02	3.32E+01	0.00E+00	0.00E+00	4.16E-04	2.10E+01
HNW631DE	5.81E-01	4.80E+01	9.31E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.77E-01	6.14E-02	2.89E+02	9.85E-06	5.14E-06	4.78E+02	8.31E+00	8.29E-02	1.21E+00	6.18E-01	1.88E+01	9.79E+02	3.42E+01	1.02E-05	4.20E-06	1.95E-01	8.10E-03	2.69E+01	1.35E+01	1.01E+03	2.10E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.13E-04	2.67E+01
HNW632DE	5.80E-01	4.79E+01	9.26E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.76E-01	6.12E-02	2.88E+02	9.85E-06	5.12E-06	4.76E+02	8.31E+00	8.29E-02	1.21E+00	6.17E-01	1.88E+01	9.78E+02	3.42E+01	1.02E-05	4.18E-06	1.94E-01	8.09E-03	2.69E+01	1.35E+01	1.01E+03	2.07E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.18E-04	2.67E+01
HPW630DE	4.61E-01	3.84E+01	9.11E-03	3.81E+01	1.04E-04	0.00E+00	8.86E+03	1.37E-03	4.31E-02	4.58E-01	4.89E-02	2.25E+02	9.79E-06	4.01E-06	3.73E+02	4.26E+00	6.57E-02	9.21E-01	4.92E-01	1.54E+01	7.72E+02	2.69E+01	8.61E-06	3.37E-06	1.55E-01	6.57E-03	2.17E+01	1.15E+01	8.07E+02	1.66E-02	8.07E+02	8.39E+02	3.32E+01	0.00E+00	0.00E+00	4.16E-04	2.10E+01
HPW631DE	5.81E-01	4.80E+01	9.31E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.77E-01	6.14E-02	2.89E+02	9.85E-06	5.14E-06	4.78E+02	8.31E+00	8.29E-02	1.21E+00	6.18E-01	1.88E+01	9.79E+02	3.42E+01	1.02E-05	4.20E-06	1.95E-01	8.10E-03	2.69E+01	1.35E+01	1.01E+03	2.10E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.13E-04	2.67E+01
HPW632DE	5.80E-01	4.79E+01	9.26E-02	4.80E+01	1.43E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.76E-01	6.12E-02	2.88E+02	9.85E-06	5.12E-06	4.76E+02	8.31E+00	8.29E-02	1.21E+00	6.17E-01	1.88E+01	9.78E+02	3.42E+01	1.02E-05	4.18E-06	1.94E-01	8.09E-03	2.69E+01	1.35E+01	1.01E+03	2.07E-02	1.01E+03	1.05E+03	4.02E+01	0.00E+00	0.00E+00	5.18E-04	2.67E+01
HDA100U	1.15E-03	1.82E-01	0.00E+00	1.82E-01	0.00E+00	0.00E+00	1.19E-01	6.82E-08	5.40E-04	5.92E-03	0.00E+00	0.00E+00	3.20E-12	6.18E-11	4.43E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	6.38E-03	2.54E+00	0.00E+00	2.79E-10	9.37E-09	1.49E-03	4.55E-06	3.39E-03	0.00E+00	2.54E+00	7.16E-09	2.54E+00	2.54E+00	3.39E-03	0.00E+00	0.00E+00	0.00E+00	6.91E-04
HDA014E	4.93E-04	7.77E-02	0.00E+00	7.77E-02	0.00E+00	0.00E+00	5.09E-02	2.92E-08	2.31E-04	2.53E-03	0.00E+00	0.00E+00	1.37E-12	2.64E-11	1.89E-04	0.00E+00	0.00E+00	0.00E+00	6.88E-06	2.73E-03	1.09E+00	0.00E+00	1.19E-10	4.01E-09	6.39E-04	1.94E-06	1.45E-03	0.00E+00	1.09E+00	3.06E-09	1.09E+00	1.09E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	2.95E-04
HDA014Z	1.01E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.35E-08	2.84E-03	3.21E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.40E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.70E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.76E-04
HDA015Z	9.76E-03	2.21E-01	0.00E+00	2.21E-01	0.00E+00	0.00E+00	1.30E-01	7.58E-08	2.81E-03	3.22E-02	0.00E+00	0.00E+00	2.96E-12	7.25E-11	4.24E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	6.41E-03	2.65E+00	0.00E+00	2.48E-10	5.82E-08	7.17E-03	4.53E-06	3.24E-03	0.00E+00	2.65E+00	7.55E-09	2.65E+00	2.72E+00	3.24E-03	0.00E+00	0.00E+00	0.00E+00	7.00E-04
HDA016L	1.18E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	6.96E-08	5.50E-04	6.15E-03	0.00E+00	0.00E+00	3.24E-12	6.31E-11	4.44E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.48E-03	2.58E+00	0.00E+00	2.81E-10	9.72E-09	1.53E-03	4.57E-06	3.41E-03	0.00E+00	2.58E+00	7.15E-09	2.58E+00	2.55E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	6.98E-04
HDA016Z	1.12E-03	1.75E-01	0.00E+00	1.75E-01	0.00E+00	0.00E+00	1.15E-01	6.62E-08	5.22E-04	5.86E-03	0.00E+00	0.00E+00	3.08E-12	5.99E-11	4.23E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-05	6.16E-03	2.44E+00	0.00E+00	2.67E-10	9.33E-09	1.47E-03	4.37E-06	3.25E-03	0.00E+00	2.44E+00	6.80E-09	2.44E+00	2.43E+00	3.25E-03	0.00E+00	0.00E+00	0.00E+00	6.64E-04
HDA017L	1.49E-03	2.27E-01	0.00E+00	2.27E-01	0.00E+00	0.00E+00	1.49E-01	8.59E-08	6.93E-04	7.72E-03	0.00E+00	0.00E+00	4.01E-12	7.87E-11	5.50E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-05	8.07E-03	3.20E+00	0.00E+00	3.50E-10	1.23E-08	1.93E-03	5.62E-06	4.27E-03	0.00E+00	3.20E+00	8.87E-09	3.20E+00	3.13E+00	4.27E-03	0.00E+00	0.00E+00	0.00E+00	8.61E-04
HDA017Z	1.27E-03	2.06E-01	0.00E+00	2.06E-01	0.00E+00	0.00E+00	1.35E-01	7.90E-08	5.93E-04	6.56E-03	0.00E+00	0.00E+00	3.66E-12	7.08E-11	5.01E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-05	7.35E-03	2.91E+00	0.00E+00	3.19E-10	1.08E-08	1.67E-03	5.16E-06	3.88E-03	0.00E+00	2.91E+00	8.17E-09	2.91E+00	2.88E+00	3.88E-03	0.00E+00	0.00E+00	0.00E+00	7.82E-04
HDA018E	6.70E-04	8.43E-02	0.00E+00	8.43E-02	0.00E+00	0.00E+00	5.53E-02	3.09E-08	2.41E-04	2.64E-03	0.00E+00	0.00E+00	1.40E-12	2.87E-11	1.93E-04	0.00E+00	0.00E+00	0.00E+00	7.11E-06	2.82E-03	1.14E+00	0.00E+00	1.22E-10	4.13E-09	6.59E-04	2.02E-06	1.50E-03	0.00E+00	1.14E+00	3.21E-09	1.14E+00	1.14E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	3.02E-04
HDA018Z	1.01E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.35E-08	2.84E-03	3.21E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.40E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.70E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.76E-04
HDA019Z	9.78E-03	2.21E-01	0.00E+00	2.21E-01	0.00E+00	0.00E+00	1.30E-01	7.59E-08	2.75E-03	3.14E-02	0.00E+00	0.00E+00	2.96E-12	7.26E-11	4.24E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	6.41E-03	2.65E+00	0.00E+00	2.48E-10	5.83E-08	7.07E-03	4.54E-06	3.24E-03	0.00E+00	2.65E+00	7.56E-09	2.65E+00	2.72E+00	3.24E-03	0.00E+00	0.00E+00	0.00E+00	7.01E-04
HDA020L	1.15E-03	1.68E-01	0.00E+00	1.68E-01	0.00E+00	0.00E+00	1.12E-01	6.32E-08	5.30E-04	5.85E-03	0.00E+00	0.00E+00	3.00E-12	5.89E-11	4.14E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-05	6.07E-03	2.42E+00	0.00E+00	2.67E-10	9.37E-09	1.48E-03	4.34E-06	3.26E-03	0.00E+00	2.42E+00	6.55E-09	2.42E+00	2.36E+00	3.26E-03	0.00E+00	0.00E+00	0.00E+00	6.55E-04
HDA020Z	1.14E-03	1.78E-01	0.00E+00	1.78E-01	0.00E+00	0.00E+00	1.18E-01	6.75E-08	5.32E-04	5.90E-03	0.00E+00	0.00E+00	3.14E-12	6.09E-11	4.34E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	6.27E-03	2.51E+00	0.00E+00	2.74E-10	9.30E-09	1.47E-03	4.47E-06	3.34E-03	0.00E+00	2.51E+00	6.98E-09	2.51E+00	2.51E+00	3.34E-03	0.00E+00	0.00E+00	0.00E+00	6.81E-04
HDA021L	1.57E-03	2.34E-01	0.00E+00	2.34E-01	0.00E+00	0.00E+00	1.56E-01	8.97E-08	7.36E-04	8.12E-03	0.00E+00	0.00E+00	4.22E-12	8.20E-11	5.80E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-05	8.39E-03	3.37E+00	0.00E+00	3.69E-10	1.29E-08	2.05E-03	6.00E-06	4.50E-03	0.00E+00	3.37E+00	9.34E-09	3.37E+00	3.35E+00	4.50E-03	0.00E+00	0.00E+00	0.00E+00	9.10E-04
HDA021Z	1.32E-03	2.13E-01	0.00E+00	2.13E-01	0.00E+00	0.00E+00	1.41E-01	8.19E-08	6.18E-04	6.75E-03	0.00E+00	0.00E+00	3.79E-12	7.28E-11	5.23E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.58E-03	3.03E+00	0.00E+00	3.32E-10	1.09E-08	1.70E-03	5.39E-06	4.02E-03	0.00E+00	3.03E+00	8.50E-09	3.03E+00	3.02E+00	4.02E-03	0.00E+00	0.00E+00	0.00E+00	8.12E-04
HDA023E	6.70E-04	8.43E-02	0.00E+00	8.43E-02	0.00E+00	0.00E+00	5.54E-02	3.10E-08	2.41E-04	2.64E-03	0.00E+00	0.00E+00	1.40E-12	2.87E-11	1.93E-04	0.00E+00	0.00E+00	0.00E+00	7.12E-06	2.82E-03	1.14E+00	0.00E+00	1.22E-10	4.13E-09	6.59E-04	2.03E-06	1.50E-03	0.00E+00	1.14E+00	3.21E-09	1.14E+00	1.14E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	3.02E-04
HDA023Z	1.01E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.36E-08	2.84E-03	3.21E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.40E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.71E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.76E-04
HDA024Z	9.78E-03	2.24E-01	0.00E+00	2.24E-01	0.00E+00	0.00E+00	1.34E-01	7.78E-08	2.75E-03	3.14E-02	0.00E+00	0.00E+00	3.04E-12	7.42E-11	4.39E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	6.52E-03	2.74E+00	0.00E+00	2.58E-10	5.83E-08	7.07E-03	4.62E-06	3.33E-03	0.00E+00	2.74E+00	7.79E-09	2.74E+00	2.83E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	7.17E-04
HDA025L	1.32E-03	1.74E-01	0.00E+00	1.74E-01	0.00E+00	0.00E+00	1.13E-01	6.42E-08	5.38E-04	5.89E-03	0.00E+00	0.00E+00	3.06E-12	6.00E-11	4.25E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-05	6.21E-03	2.44E+00	0.00E+00	2.72E-10	9.48E-09	1.50E-03	4.45E-06	3.33E-03	0.00E+00	2.44E+00	6.73E-09	2.44E+00	2.40E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-04
HDA025U	1.17E-03	1.84E-01	0.00E+00	1.84E-01	0.00E+00	0.00E+00	1.21E-01	6.93E-08	5.48E-04	6.01E-03	0.00E+00	0.00E+00	3.25E-12	6.28E-11	4.50E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-05	6.48E-03	2.58E+00	0.00E+00	2.83E-10	9.51E-09	1.52E-03	4.62E-06	3.44E-03	0.00E+00	2.58E+00	7.27E-09	2.58E+00	2.58E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	7.01E-04
HDA025Z	1.16E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	6.88E-08	5.43E-04	5.97E-03	0.00E+00	0.00E+00	3.22E-12	6.23E-11	4.47E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.44E-03	2.56E+00	0.00E+00	2.81E-10	9.42E-09	1.50E-03	4.60E-06	3.41E-03	0.00E+00	2.56E+00	7.19E-09	2.56E+00	2.56E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	6.97E-04
HDA026L	1.60E-03	2.46E-01	0.00E+00	2.46E-01	0.00E+00	0.00E+00	1.62E-01	9.26E-08	7.50E-04	8.23E-03	0.00E+00	0.00E+00	4.35E-12	8.41E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.18E-05	8.72E-03	3.45E+00	0.00E+00	3.79E-10	1.31E-08	2.08E-03	6.24E-06	4.61E-03	0.00E+00	3.45E+00	9.75E-09	3.45E+00	3.46E+00	4.61E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HDA026U	1.35E-03	2.19E-01	0.00E+00	2.19E-01	0.00E+00	0.00E+00	1.43E-01	8.32E-08	6.34E-04	6.89E-03	0.00E+00	0.00E+00	3.91E-12	7.43E-11	5.41E-04	0.00E+00	0.00E+00	0.00E+00	1.96E-05	7.79E-03	3.06E+00	0.00E+00	3.41E-10	1.12E-08	1.75E-03	5.56E-06	4.12E-03	0.00E+00	3.06E+00	8.74E-09	3.06E+00	3.08E+00	4.12E-03	0.00E+00	0.00E+00	0.00E+00	8.37E-04
HDA026Z	1.04E-02	4.48E-01	0.00E+00	4.48E-01	0.00E+00	0.00E+00	2.75E-01	1.61E-07	2.98E-03	3.12E-02	0.00E+00	0.00E+00	6.60E-12	1.50E-10	9.31E-04	0.00E+00	0.00E+00	0.00E+00	3.59E-05	1.41E-02	5.85E+00	0.00E+00	5.85E-10	5.99E-08	8.26E-03	9.77E-06	7.33E-03	0.00E+00	5.85E+00	1.65E-08	5.85E+00	5.96E+00	7.33E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-03
HDA030E	4.93E-04	7.77E-02	0.00E+00	7.77E-02	0.00E+00	0.00E+00	5.09E-02	2.92E-08	2.31E-04	2.53E-03	0.00E+00	0.00E+00	1.37E-12	2.64E-11	1.89E-04	0.00E+00	0.00E+00	0.00E+00	6.88E-06	2.73E-03	1.09E+00	0.00E+00	1.19E-10	4.01E-09	6.39E-04	1.94E-06	1.45E-03	0.00E+00	1.09E+00	3.06E-09	1.09E+00	1.09E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	2.95E-04
HDA030Z	1.00E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.35E-08	2.82E-03	3.18E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.25E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.70E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.75E-04
HDA032L	1.20E-03	1.86E-01	0.00E+00	1.86E-01	0.00E+00	0.00E+00	1.24E-01	7.11E-08	5.63E-04	6.20E-03	0.00E+00	0.00E+00	3.31E-12	6.42E-11	4.57E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-05	6.60E-03	2.66E+00	0.00E+00	2.89E-10	9.73E-09	1.54E-03	4.66E-06	3.51E-03	0.00E+00	2.66E+00	7.35E-09	2.66E+00	2.64E+00	3.51E-03	0.00E+00	0.00E+00	0.00E+00	7.17E-04
HDA032Z	1.15E-03	1.81E-01	0.00E+00	1.81E-01	0.00E+00	0.00E+00	1.19E-01	6.81E-08	5.39E-04	5.91E-03	0.00E+00	0.00E+00	3.19E-12	6.17E-11	4.42E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	6.37E-03	2.53E+00	0.00E+00	2.78E-10	9.35E-09	1.49E-03	4.54E-06	3.38E-03	0.00E+00	2.53E+00	7.15E-09	2.53E+00	2.54E+00	3.38E-03	0.00E+00	0.00E+00	0.00E+00	6.89E-04
HDA033L	1.59E-03	2.40E-01	0.00E+00	2.40E-01	0.00E+00	0.00E+00	1.59E-01	9.10E-08	7.44E-04	8.23E-03	0.00E+00	0.00E+00	4.27E-12	8.29E-11	5.87E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.55E-03	3.41E+00	0.00E+00	3.73E-10	1.30E-08	2.06E-03	6.11E-06	4.53E-03	0.00E+00	3.41E+00	9.49E-09	3.41E+00	3.41E+00	4.53E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-04
HDA033Z	1.32E-03	2.12E-01	0.00E+00	2.12E-01	0.00E+00	0.00E+00	1.40E-01	8.14E-08	6.16E-04	6.73E-03	0.00E+00	0.00E+00	3.77E-12	7.27E-11	5.21E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.54E-03	3.01E+00	0.00E+00	3.30E-10	1.08E-08	1.69E-03	5.37E-06	4.01E-03	0.00E+00	3.01E+00	8.48E-09	3.01E+00	3.02E+00	4.01E-03	0.00E+00	0.00E+00	0.00E+00	8.08E-04
HDA038Z	1.00E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.36E-08	2.82E-03	3.18E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.25E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.71E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.75E-04
HDA040L	1.31E-03	1.73E-01	0.00E+00	1.73E-01	0.00E+00	0.00E+00	1.13E-01	6.38E-08	5.37E-04	5.86E-03	0.00E+00	0.00E+00	3.06E-12	5.97E-11	4.23E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-05	6.18E-03	2.43E+00	0.00E+00	2.70E-10	9.48E-09	1.50E-03	4.41E-06	3.32E-03	0.00E+00	2.43E+00	6.70E-09	2.43E+00	2.39E+00	3.32E-03	0.00E+00	0.00E+00	0.00E+00	6.65E-04
HDA040U	1.16E-03	1.82E-01	0.00E+00	1.82E-01	0.00E+00	0.00E+00	1.20E-01	6.85E-08	5.42E-04	5.95E-03	0.00E+00	0.00E+00	3.21E-12	6.21E-11	4.45E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.41E-03	2.55E+00	0.00E+00	2.80E-10	9.41E-09	1.50E-03	4.57E-06	3.40E-03	0.00E+00	2.55E+00	7.19E-09	2.55E+00	2.55E+00	3.40E-03	0.00E+00	0.00E+00	0.00E+00	6.94E-04
HDA040Z	9.62E-03	2.88E-01	0.00E+00	2.88E-01	0.00E+00	0.00E+00	1.75E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.83E-11	6.43E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	9.31E-03	3.67E+00	0.00E+00	3.92E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.67E+00	1.02E-08	3.67E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.79E-04
HDA041L	1.56E-03	2.18E-01	0.00E+00	2.18E-01	0.00E+00	0.00E+00	1.47E-01	8.21E-08	7.33E-04	8.03E-03	0.00E+00	0.00E+00	3.98E-12	7.71E-11	5.47E-04	0.00E+00	0.00E+00	0.00E+00	1.92E-05	7.95E-03	3.16E+00	0.00E+00	3.50E-10	1.30E-08	2.06E-03	5.81E-06	4.29E-03	0.00E+00	3.16E+00	8.76E-09	3.16E+00	3.07E+00	4.29E-03	0.00E+00	0.00E+00	0.00E+00	8.56E-04
HDA041U	1.03E-02	4.35E-01	0.00E+00	4.35E-01	0.00E+00	0.00E+00	2.70E-01	1.59E-07	2.86E-03	2.99E-02	0.00E+00	0.00E+00	6.33E-12	1.49E-10	8.99E-04	0.00E+00	0.00E+00	0.00E+00	3.48E-05	1.37E-02	5.77E+00	0.00E+00	5.68E-10	5.99E-08	7.94E-03	9.47E-06	7.14E-03	0.00E+00	5.77E+00	1.62E-08	5.77E+00	5.89E+00	7.14E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-03
HDA041Z	1.03E-02	4.35E-01	0.00E+00	4.35E-01	0.00E+00	0.00E+00	2.63E-01	1.54E-07	2.92E-03	3.03E-02	0.00E+00	0.00E+00	5.84E-12	1.46E-10	8.45E-04	0.00E+00	0.00E+00	0.00E+00	3.33E-05	1.31E-02	5.57E+00	0.00E+00	5.26E-10	5.96E-08	8.07E-03	8.72E-06	6.75E-03	0.00E+00	5.57E+00	1.58E-08	5.57E+00	5.73E+00	6.75E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-03
HDA048Z	1.00E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.36E-08	2.82E-03	3.18E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.25E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.71E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.75E-04
HDA050L	1.21E-03	1.91E-01	0.00E+00	1.91E-01	0.00E+00	0.00E+00	1.25E-01	7.19E-08	5.69E-04	6.22E-03	0.00E+00	0.00E+00	3.37E-12	6.52E-11	4.66E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-05	6.74E-03	2.68E+00	0.00E+00	2.94E-10	9.84E-09	1.57E-03	4.78E-06	3.56E-03	0.00E+00	2.68E+00	7.55E-09	2.68E+00	2.68E+00	3.56E-03	0.00E+00	0.00E+00	0.00E+00	7.25E-04
HDA050Z	9.62E-03	2.88E-01	0.00E+00	2.88E-01	0.00E+00	0.00E+00	1.75E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.83E-11	6.43E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	9.31E-03	3.67E+00	0.00E+00	3.93E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.67E+00	1.02E-08	3.67E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.81E-04
HDA051L	1.60E-03	2.47E-01	0.00E+00	2.47E-01	0.00E+00	0.00E+00	1.63E-01	9.26E-08	7.53E-04	8.29E-03	0.00E+00	0.00E+00	4.34E-12	8.46E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.18E-05	8.72E-03	3.47E+00	0.00E+00	3.78E-10	1.31E-08	2.09E-03	6.22E-06	4.61E-03	0.00E+00	3.47E+00	9.80E-09	3.47E+00	3.47E+00	4.61E-03	0.00E+00	0.00E+00	0.00E+00	9.40E-04
HDA051Z	1.34E-03	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.42E-01	8.24E-08	6.25E-04	6.79E-03	0.00E+00	0.00E+00	3.85E-12	7.38E-11	5.34E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	7.71E-03	3.04E+00	0.00E+00	3.37E-10	1.09E-08	1.72E-03	5.51E-06	4.08E-03	0.00E+00	3.04E+00	8.68E-09	3.04E+00	3.07E+00	4.08E-03	0.00E+00	0.00E+00	0.00E+00	8.27E-04
HDA061Z	4.98E-04	7.85E-02	0.00E+00	7.85E-02	0.00E+00	0.00E+00	5.15E-02	2.95E-08	2.33E-04	2.56E-03	0.00E+00	0.00E+00	1.38E-12	2.67E-11	1.91E-04	0.00E+00	0.00E+00	0.00E+00	6.95E-06	2.76E-03	1.10E+00	0.00E+00	1.20E-10	4.05E-09	6.46E-04	1.96E-06	1.46E-03	0.00E+00	1.10E+00	3.09E-09	1.10E+00	1.10E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	2.98E-04
HDA063L	1.31E-03	1.73E-01	0.00E+00	1.73E-01	0.00E+00	0.00E+00	1.13E-01	6.41E-08	5.39E-04	5.89E-03	0.00E+00	0.00E+00	3.07E-12	5.99E-11	4.25E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-05	6.21E-03	2.44E+00	0.00E+00	2.72E-10	9.50E-09	1.50E-03	4.43E-06	3.33E-03	0.00E+00	2.44E+00	6.74E-09	2.44E+00	2.40E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-04
HDA063U	1.16E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	6.87E-08	5.44E-04	5.96E-03	0.00E+00	0.00E+00	3.22E-12	6.22E-11	4.46E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.43E-03	2.55E+00	0.00E+00	2.81E-10	9.43E-09	1.50E-03	4.58E-06	3.41E-03	0.00E+00	2.55E+00	7.21E-09	2.55E+00	2.56E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	6.95E-04
HDA063Z	1.15E-03	1.82E-01	0.00E+00	1.82E-01	0.00E+00	0.00E+00	1.19E-01	6.84E-08	5.41E-04	5.94E-03	0.00E+00	0.00E+00	3.20E-12	6.20E-11	4.44E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	6.40E-03	2.54E+00	0.00E+00	2.79E-10	9.39E-09	1.50E-03	4.56E-06	3.39E-03	0.00E+00	2.54E+00	7.18E-09	2.54E+00	2.55E+00	3.39E-03	0.00E+00	0.00E+00	0.00E+00	6.92E-04
HDA064L	1.58E-03	2.40E-01	0.00E+00	2.40E-01	0.00E+00	0.00E+00	1.59E-01	9.05E-08	7.41E-04	8.14E-03	0.00E+00	0.00E+00	4.29E-12	8.29E-11	5.92E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.52E-03	3.41E+00	0.00E+00	3.74E-10	1.30E-08	2.06E-03	6.12E-06	4.56E-03	0.00E+00	3.41E+00	9.60E-09	3.41E+00	3.39E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-04
HDA064U	1.03E-02	4.31E-01	0.00E+00	4.31E-01	0.00E+00	0.00E+00	2.65E-01	1.56E-07	2.89E-03	3.01E-02	0.00E+00	0.00E+00	6.25E-12	1.48E-10	8.89E-04	0.00E+00	0.00E+00	0.00E+00	3.42E-05	1.35E-02	5.66E+00	0.00E+00	5.61E-10	5.95E-08	8.01E-03	9.37E-06	7.01E-03	0.00E+00	5.66E+00	1.59E-08	5.66E+00	5.79E+00	7.01E-03	0.00E+00	0.00E+00	0.00E+00	1.43E-03

HDA064Z	1.03E-02	4.35E-01	0.00E+00	4.35E-01	0.00E+00	0.00E+00	2.63E-01	1.54E-07	2.92E-03	3.03E-02	0.00E+00	0.00E+00	5.84E-12	1.46E-10	8.45E-04	0.00E+00	0.00E+00	0.00E+00	3.33E-05	1.31E-02	5.57E+00	0.00E+00	5.26E-10	5.96E-08	8.07E-03	8.72E-06	6.75E-03	0.00E+00	5.57E+00	1.58E-08	5.57E+00	5.73E+00	6.75E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-03
HDA078Z	4.98E-04	7.85E-02	0.00E+00	7.85E-02	0.00E+00	0.00E+00	5.15E-02	2.95E-08	2.33E-04	2.56E-03	0.00E+00	0.00E+00	1.38E-12	2.67E-11	1.91E-04	0.00E+00	0.00E+00	0.00E+00	6.95E-06	2.76E-03	1.10E+00	0.00E+00	1.20E-10	4.05E-09	6.46E-04	1.96E-06	1.46E-03	0.00E+00	1.10E+00	3.09E-09	1.10E+00	1.10E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	2.98E-04
HDA080L	1.16E-03	1.73E-01	0.00E+00	1.73E-01	0.00E+00	0.00E+00	1.13E-01	6.38E-08	5.37E-04	5.86E-03	0.00E+00	0.00E+00	3.06E-12	5.97E-11	4.23E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-05	6.19E-03	2.43E+00	0.00E+00	2.71E-10	9.48E-09	1.50E-03	4.42E-06	3.32E-03	0.00E+00	2.43E+00	6.71E-09	2.43E+00	2.39E+00	3.32E-03	0.00E+00	0.00E+00	0.00E+00	6.66E-04
HDA080U	1.17E-03	1.84E-01	0.00E+00	1.84E-01	0.00E+00	0.00E+00	1.21E-01	6.91E-08	5.47E-04	6.00E-03	0.00E+00	0.00E+00	3.24E-12	6.27E-11	4.49E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-05	6.47E-03	2.57E+00	0.00E+00	2.83E-10	9.49E-09	1.51E-03	4.61E-06	3.43E-03	0.00E+00	2.57E+00	7.26E-09	2.57E+00	2.57E+00	3.43E-03	0.00E+00	0.00E+00	0.00E+00	7.00E-04
HDA080Z	9.62E-03	2.86E-01	0.00E+00	2.86E-01	0.00E+00	0.00E+00	1.70E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.66E-11	6.30E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-05	9.30E-03	3.60E+00	0.00E+00	3.93E-10	5.15E-08	6.31E-03	6.42E-06	4.74E-03	0.00E+00	3.60E+00	1.01E-08	3.60E+00	3.82E+00	4.74E-03	0.00E+00	0.00E+00	0.00E+00	9.71E-04
HDA081L	1.60E-03	2.47E-01	0.00E+00	2.47E-01	0.00E+00	0.00E+00	1.63E-01	9.26E-08	7.52E-04	8.28E-03	0.00E+00	0.00E+00	4.34E-12	8.45E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.18E-05	8.72E-03	3.46E+00	0.00E+00	3.78E-10	1.31E-08	2.09E-03	6.22E-06	4.61E-03	0.00E+00	3.46E+00	9.79E-09	3.46E+00	3.47E+00	4.61E-03	0.00E+00	0.00E+00	0.00E+00	9.40E-04
HDA081U	1.03E-02	4.23E-01	0.00E+00	4.23E-01	0.00E+00	0.00E+00	2.57E-01	1.51E-07	2.89E-03	3.00E-02	0.00E+00	0.00E+00	5.73E-12	1.45E-10	8.28E-04	0.00E+00	0.00E+00	0.00E+00	3.25E-05	1.28E-02	5.47E+00	0.00E+00	5.20E-10	5.93E-08	8.01E-03	8.65E-06	6.64E-03	0.00E+00	5.47E+00	1.53E-08	5.47E+00	5.63E+00	6.64E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03
HDA081Z	1.03E-02	4.33E-01	0.00E+00	4.33E-01	0.00E+00	0.00E+00	2.59E-01	1.54E-07	2.92E-03	3.03E-02	0.00E+00	0.00E+00	5.84E-12	1.45E-10	8.34E-04	0.00E+00	0.00E+00	0.00E+00	3.28E-05	1.31E-02	5.51E+00	0.00E+00	5.26E-10	5.97E-08	8.07E-03	8.72E-06	6.75E-03	0.00E+00	5.51E+00	1.57E-08	5.51E+00	5.69E+00	6.75E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-03
HDA098Z	4.98E-04	7.85E-02	0.00E+00	7.85E-02	0.00E+00	0.00E+00	5.15E-02	2.95E-08	2.33E-04	2.56E-03	0.00E+00	0.00E+00	1.38E-12	2.67E-11	1.91E-04	0.00E+00	0.00E+00	0.00E+00	6.95E-06	2.76E-03	1.10E+00	0.00E+00	1.20E-10	4.05E-09	6.46E-04	1.96E-06	1.46E-03	0.00E+00	1.10E+00	3.09E-09	1.10E+00	1.10E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	2.98E-04
HDA100L	1.15E-03	1.71E-01	0.00E+00	1.71E-01	0.00E+00	0.00E+00	1.12E-01	6.31E-08	5.31E-04	5.82E-03	0.00E+00	0.00E+00	3.02E-12	5.90E-11	4.19E-04	0.00E+00	0.00E+00	0.00E+00	1.48E-05	6.12E-03	2.41E+00	0.00E+00	2.68E-10	9.40E-09	1.49E-03	4.35E-06	3.29E-03	0.00E+00	2.41E+00	6.64E-09	2.41E+00	2.37E+00	3.29E-03	0.00E+00	0.00E+00	0.00E+00	6.60E-04
HDA100Z	1.15E-03	1.81E-01	0.00E+00	1.81E-01	0.00E+00	0.00E+00	1.19E-01	6.79E-08	5.37E-04	5.90E-03	0.00E+00	0.00E+00	3.18E-12	6.15E-11	4.41E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-05	6.35E-03	2.53E+00	0.00E+00	2.77E-10	9.32E-09	1.49E-03	4.53E-06	3.37E-03	0.00E+00	2.53E+00	7.13E-09	2.53E+00	2.53E+00	3.37E-03	0.00E+00	0.00E+00	0.00E+00	6.87E-04
HDA101L	1.60E-03	2.46E-01	0.00E+00	2.46E-01	0.00E+00	0.00E+00	1.62E-01	9.20E-08	7.50E-04	8.26E-03	0.00E+00	0.00E+00	4.30E-12	8.39E-11	5.95E-04	0.00E+00	0.00E+00	0.00E+00	2.16E-05	8.64E-03	3.44E+00	0.00E+00	3.75E-10	1.31E-08	2.08E-03	6.16E-06	4.58E-03	0.00E+00	3.44E+00	9.72E-09	3.44E+00	3.43E+00	4.58E-03	0.00E+00	0.00E+00	0.00E+00	9.32E-04
HDA101U	1.02E-02	4.22E-01	0.00E+00	4.22E-01	0.00E+00	0.00E+00	2.54E-01	1.52E-07	2.88E-03	3.00E-02	0.00E+00	0.00E+00	5.85E-12	1.44E-10	8.31E-04	0.00E+00	0.00E+00	0.00E+00	3.24E-05	1.29E-02	5.44E+00	0.00E+00	5.29E-10	5.87E-08	8.01E-03	8.83E-06	6.70E-03	0.00E+00	5.44E+00	1.53E-08	5.44E+00	5.62E+00	6.70E-03	0.00E+00	0.00E+00	0.00E+00	1.36E-03
HDA101Z	1.02E-02	4.28E-01	0.00E+00	4.28E-01	0.00E+00	0.00E+00	2.53E-01	1.50E-07	2.89E-03	3.00E-02	0.00E+00	0.00E+00	5.71E-12	1.44E-10	8.17E-04	0.00E+00	0.00E+00	0.00E+00	3.19E-05	1.27E-02	5.37E+00	0.00E+00	5.14E-10	5.85E-08	8.02E-03	8.59E-06	6.57E-03	0.00E+00	5.37E+00	1.52E-08	5.37E+00	5.55E+00	6.57E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-03
HDA123Z	1.01E-02	2.23E-01	0.00E+00	2.23E-01	0.00E+00	0.00E+00	1.29E-01	7.64E-08	2.75E-03	3.11E-02	0.00E+00	0.00E+00	3.07E-12	7.24E-11	4.14E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	6.49E-03	2.66E+00	0.00E+00	2.57E-10	6.32E-08	7.09E-03	4.52E-06	3.24E-03	0.00E+00	2.66E+00	7.83E-09	2.66E+00	2.80E+00	3.24E-03	0.00E+00	0.00E+00	0.00E+00	6.96E-04
HDA125L	1.31E-03	1.74E-01	0.00E+00	1.74E-01	0.00E+00	0.00E+00	1.13E-01	6.42E-08	5.38E-04	5.89E-03	0.00E+00	0.00E+00	3.06E-12	6.00E-11	4.25E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-05	6.21E-03	2.44E+00	0.00E+00	2.72E-10	9.49E-09	1.50E-03	4.44E-06	3.33E-03	0.00E+00	2.44E+00	6.75E-09	2.44E+00	2.40E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-04
HDA125U	1.16E-03	1.84E-01	0.00E+00	1.84E-01	0.00E+00	0.00E+00	1.20E-01	6.89E-08	5.46E-04	5.99E-03	0.00E+00	0.00E+00	3.23E-12	6.25E-11	4.48E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-05	6.45E-03	2.56E+00	0.00E+00	2.82E-10	9.47E-09	1.51E-03	4.59E-06	3.42E-03	0.00E+00	2.56E+00	7.24E-09	2.56E+00	2.57E+00	3.42E-03	0.00E+00	0.00E+00	0.00E+00	6.98E-04
HDA125Z	1.16E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	6.86E-08	5.43E-04	5.96E-03	0.00E+00	0.00E+00	3.22E-12	6.22E-11	4.46E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.42E-03	2.55E+00	0.00E+00	2.80E-10	9.42E-09	1.50E-03	4.57E-06	3.41E-03	0.00E+00	2.55E+00	7.20E-09	2.55E+00	2.56E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	6.95E-04
HDA126L	1.62E-03	2.55E-01	0.00E+00	2.55E-01	0.00E+00	0.00E+00	1.68E-01	9.59E-08	7.59E-04	8.33E-03	0.00E+00	0.00E+00	4.50E-12	8.70E-11	6.23E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-05	8.98E-03	3.57E+00	0.00E+00	3.92E-10	1.32E-08	2.10E-03	6.39E-06	4.76E-03	0.00E+00	3.57E+00	1.01E-08	3.57E+00	3.57E+00	4.76E-03	0.00E+00	0.00E+00	0.00E+00	9.71E-04
HDA126U	1.04E-02	4.31E-01	0.00E+00	4.31E-01	0.00E+00	0.00E+00	2.64E-01	1.58E-07	2.78E-03	2.89E-02	0.00E+00	0.00E+00	6.48E-12	1.47E-10	9.02E-04	0.00E+00	0.00E+00	0.00E+00	3.46E-05	1.38E-02	5.68E+00	0.00E+00	5.78E-10	5.90E-08	7.74E-03	9.67E-06	7.20E-03	0.00E+00	5.68E+00	1.60E-08	5.68E+00	5.82E+00	7.20E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-03
HDA126Z	1.03E-02	4.37E-01	0.00E+00	4.37E-01	0.00E+00	0.00E+00	2.63E-01	1.57E-07	2.84E-03	2.93E-02	0.00E+00	0.00E+00	6.30E-12	1.47E-10	8.86E-04	0.00E+00	0.00E+00	0.00E+00	3.40E-05	1.35E-02	5.60E+00	0.00E+00	5.62E-10	5.89E-08	7.84E-03	9.37E-06	7.02E-03	0.00E+00	5.60E+00	1.59E-08	5.60E+00	5.75E+00	7.02E-03	0.00E+00	0.00E+00	0.00E+00	1.43E-03
HDA160L	1.22E-03	1.92E-01	0.00E+00	1.92E-01	0.00E+00	0.00E+00	1.26E-01	7.22E-08	5.71E-04	6.27E-03	0.00E+00	0.00E+00	3.38E-12	6.54E-11	4.69E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-05	6.75E-03	2.68E+00	0.00E+00	2.95E-10	9.91E-09	1.58E-03	4.81E-06	3.58E-03	0.00E+00	2.68E+00	7.57E-09	2.68E+00	2.69E+00	3.58E-03	0.00E+00	0.00E+00	0.00E+00	7.31E-04
HDA160U	1.14E-03	1.80E-01	0.00E+00	1.80E-01	0.00E+00	0.00E+00	1.18E-01	6.77E-08	5.36E-04	5.88E-03	0.00E+00	0.00E+00	3.17E-12	6.14E-11	4.40E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-05	6.33E-03	2.52E+00	0.00E+00	2.77E-10	9.29E-09	1.48E-03	4.51E-06	3.36E-03	0.00E+00	2.52E+00	7.10E-09	2.52E+00	2.52E+00	3.36E-03	0.00E+00	0.00E+00	0.00E+00	6.85E-04
HDA160Z	1.16E-03	1.84E-01	0.00E+00	1.84E-01	0.00E+00	0.00E+00	1.21E-01	6.91E-08	5.44E-04	6.00E-03	0.00E+00	0.00E+00	3.23E-12	6.25E-11	4.48E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-05	6.44E-03	2.56E+00	0.00E+00	2.82E-10	9.45E-09	1.51E-03	4.63E-06	3.43E-03	0.00E+00	2.56E+00	7.21E-09	2.56E+00	2.57E+00	3.43E-03	0.00E+00	0.00E+00	0.00E+00	7.04E-04
HDA161L	1.37E-03	2.15E-01	0.00E+00	2.15E-01	0.00E+00	0.00E+00	1.41E-01	8.09E-08	6.41E-04	7.03E-03	0.00E+00	0.00E+00	3.79E-12	7.34E-11	5.26E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.57E-03	3.01E+00	0.00E+00	3.31E-10	1.11E-08	1.77E-03	5.39E-06	4.02E-03	0.00E+00	3.01E+00	8.49E-09	3.01E+00	3.01E+00	4.02E-03	0.00E+00	0.00E+00	0.00E+00	8.19E-04
HDA161U	1.04E-02	4.31E-01	0.00E+00	4.31E-01	0.00E+00	0.00E+00	2.63E-01	1.57E-07	2.82E-03	2.94E-02	0.00E+00	0.00E+00	6.46E-12	1.47E-10	9.00E-04	0.00E+00	0.00E+00	0.00E+00	3.44E-05	1.37E-02	5.66E+00	0.00E+00	5.76E-10	5.90E-08	7.87E-03	9.64E-06	7.17E-03	0.00E+00	5.66E+00	1.59E-08	5.66E+00	5.80E+00	7.17E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-03
HDA161Z	1.02E-02	4.29E-01	0.00E+00	4.29E-01	0.00E+00	0.00E+00	2.51E-01	1.50E-07	2.81E-03	2.89E-02	0.00E+00	0.00E+00	5.65E-12	1.44E-10	8.07E-04	0.00E+00	0.00E+00	0.00E+00	3.16E-05	1.26E-02	5.35E+00	0.00E+00	5.07E-10	5.85E-08	7.83E-03	8.53E-06	6.49E-03	0.00E+00	5.35E+00	1.51E-08	5.35E+00	5.50E+00	6.49E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-03
HDS014EC	6.90E-04	1.08E-01	0.00E+00	1.08E-01	0.00E+00	0.00E+00	6.44E-02	4.02E-08	2.43E-04	2.64E-03	0.00E+00	0.00E+00	1.50E-12	3.15E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.50E-06	3.41E-03	1.41E+00	0.00E+00	1.35E-10	4.13E-09	6.59E-04	2.19E-06	1.77E-03	0.00E+00	1.41E+00	3.80E-09	1.41E+00	1.27E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	3.45E-04
HDS018EC	6.90E-04	1.08E-01	0.00E+00	1.08E-01	0.00E+00	0.00E+00	6.44E-02	4.02E-08	2.43E-04	2.64E-03	0.00E+00	0.00E+00	1.50E-12	3.15E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.50E-06	3.42E-03	1.41E+00	0.00E+00	1.35E-10	4.13E-09	6.59E-04	2.19E-06	1.77E-03	0.00E+00	1.41E+00	3.80E-09	1.41E+00	1.27E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	3.45E-04
HDS023EC	6.91E-04	1.08E-01	0.00E+00	1.08E-01	0.00E+00	0.00E+00	6.44E-02	4.02E-08	2.43E-04	2.64E-03	0.00E+00	0.00E+00	1.50E-12	3.15E-11	2.22E-04	0.00E+00	0.00E+00	0.00E+00	8.50E-06	3.42E-03	1.41E+00	0.00E+00	1.35E-10	4.13E-09	6.59E-04	2.19E-06	1.77E-03	0.00E+00	1.41E+00	3.80E-09	1.41E+00	1.27E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	3.45E-04
HDS030EC	6.90E-04	1.08E-01	0.00E+00	1.08E-01	0.00E+00	0.00E+00	6.44E-02	4.02E-08	2.43E-04	2.64E-03	0.00E+00	0.00E+00	1.50E-12	3.15E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.50E-06	3.41E-03	1.41E+00	0.00E+00	1.35E-10	4.13E-09	6.59E-04	2.19E-06	1.77E-03	0.00E+00	1.41E+00	3.80E-09	1.41E+00	1.27E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	3.45E-04
HDS038EC	6.92E-04	1.04E-01	0.00E+00	1.04E-01	0.00E+00	0.00E+00	6.14E-02	3.89E-08	2.44E-04	2.65E-03	0.00E+00	0.00E+00	1.48E-12	3.00E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.36E-06	3.38E-03	1.37E+00	0.00E+00	1.34E-10	4.15E-09	6.61E-04	2.16E-06	1.75E-03	0.00E+00	1.37E+00	3.70E-09	1.37E+00	1.24E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	3.43E-04
HDS048EC	6.92E-04	1.04E-01	0.00E+00	1.04E-01	0.00E+00	0.00E+00	6.14E-02	3.89E-08	2.44E-04	2.65E-03	0.00E+00	0.00E+00	1.48E-12	3.00E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.36E-06	3.38E-03	1.37E+00	0.00E+00	1.34E-10	4.15E-09	6.61E-04	2.16E-06	1.75E-03	0.00E+00	1.37E+00	3.70E-09	1.37E+00	1.24E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	3.43E-04
HDS061EC	6.92E-04	1.04E-01	0.00E+00	1.04E-01	0.00E+00	0.00E+00	6.14E-02	3.89E-08	2.44E-04	2.65E-03	0.00E+00	0.00E+00	1.48E-12	3.00E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.36E-06	3.38E-03	1.37E+00	0.00E+00	1.34E-10	4.15E-09	6.61E-04	2.16E-06	1.75E-03	0.00E+00	1.37E+00	3.70E-09	1.37E+00	1.24E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	3.43E-04
HDS078EC	6.98E-04	1.05E-01	0.00E+00	1.05E-01	0.00E+00	0.00E+00	6.16E-02	3.89E-08	2.47E-04	2.67E-03	0.00E+00	0.00E+00	1.48E-12	3.00E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.39E-06	3.39E-03	1.37E+00	0.00E+00	1.34E-10	4.31E-09	6.87E-04	2.16E-06	1.75E-03	0.00E+00	1.37E+00	3.71E-09	1.37E+00	1.25E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	3.43E-04
HDS098EC	7.22E-04	1.08E-01	0.00E+00	1.08E-01	0.00E+00	0.00E+00	6.58E-02	4.05E-08	2.59E-04	2.75E-03	0.00E+00	0.00E+00	1.56E-12	3.16E-11	2.35E-04	0.00E+00	0.00E+00	0.00E+00	8.89E-06	3.55E-03	1.47E+00	0.00E+00	1.44E-10	4.31E-09	6.95E-04	2.23E-06	1.87E-03	0.00E+00	1.47E+00	3.95E-09	1.47E+00	1.35E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	3.60E-04
HDS123EC	7.30E-04	1.17E-01	0.00E+00	1.17E-01	0.00E+00	0.00E+00	7.07E-02	4.27E-08	2.63E-04	2.77E-03	0.00E+00	0.00E+00	1.65E-12	3.40E-11	2.46E-04	0.00E+00	0.00E+00	0.00E+00	9.39E-06	3.70E-03	1.53E+00	0.00E+00	1.51E-10	4.26E-09	6.97E-04	2.42E-06	1.96E-03	0.00E+00	1.53E+00	4.21E-09	1.53E+00	1.40E+00	1.96E-03	0.00E+00	0.00E+00	0.00E+00	3.76E-04
HEJ250DR	9.25E-03	1.06E+00	0.00E+00	1.06E+00	0.00E+00	0.00E+00	6.93E-01	3.93E-07	3.31E-03	3.60E-02	0.00E+00	0.00E+00	1.88E-11	3.63E-10	2.57E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-05	3.74E-02	1.47E+01	0.00E+00	1.63E-09	5.99E-08	9.29E-03	2.66E-05	2.00E-02	0.00E+00	1.47E+01	4.20E-08	1.47E+01	1.48E+01	2.00E-02	0.00E+00	0.00E+00	0.00E+00	4.02E-03
HEJ251DR	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.69E-03	4.05E-02	0.00E+00	0.00E+00	2.19E-11	4.26E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.74E+01	0.00E+00	1.91E-09	6.44E-08	1.03E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.93E-08	1.74E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
HEJ320BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.72E-01	3.86E-07	3.24E-03	3.56E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.62E-02	1.45E+01	0.00E+00	1.59E-09	5.51E-08	8.95E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.08E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HEJ320DR	6.68E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.18E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.43E-08	8.84E-03	2.60E-05	1.95E-02	0.00E+00	1.46E+01	4.14E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
HEJ321BR	7.73E-03	1.22E+00	0.00E+00	1.22E+00	0.00E+00	0.00E+00	8.00E-01	4.58E-07	3.62E-03	3.98E-02	0.00E+00	0.00E+00	2.15E-11	4.15E-10	2.97E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-04	4.28E-02	1.70E+01	0.00E+00	1.87E-09	6.29E-08	1.00E-02	3.05E-05	2.27E-02	0.00E+00	1.70E+01	4.81E-08	1.70E+01	1.71E+01	2.27E-02	0.00E+00	0.00E+00	0.00E+00	4.64E-03
HEJ321DR	7.92E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.16E-01	4.67E-07	3.68E-03	4.05E-02	0.00E+00	0.00E+00	2.19E-11	4.25E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.91E-09	6.43E-08	1.03E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.92E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
HEJ400DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.84E-01	3.91E-07	3.14E-03	3.45E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.23E-05	3.67E-02	1.46E+01	0.00E+00	1.60E-09	5.44E-08	8.80E-03	2.61E-05	1.95E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
HEJ401DR	7.95E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.20E-01	4.69E-07	3.69E-03	4.05E-02	0.00E+00	0.00E+00	2.20E-11	4.27E-10	3.05E-03	0.00E+00	0.00E+00	0.00E+00	1.11E-04	4.40E-02	1.75E+01	0.00E+00	1.92E-09	6.47E-08	1.02E-02	3.15E-05	2.33E-02	0.00E+00	1.75E+01	4.94E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.76E-03
HEJ500BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.88E-07	3.20E-03	3.52E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.07E-05	3.63E-02	1.45E+01	0.00E+00	1.59E-09	5.52E-08	8.87E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.07E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.92E-03
HES025BC	2.30E-03	2.31E-01	0.00E+00	2.31E-01	0.00E+00	0.00E+00	1.35E-01	8.29E-08	6.62E-04	7.61E-03	0.00E+00	0.00E+00	3.31E-12	7.58E-11	4.78E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-05	7.33E-03	2.88E+00	0.00E+00	2.90E-10	1.56E-08	2.08E-03	4.56E-06	3.71E-03	0.00E+00	2.88E+00	8.51E-09	2.88E+00	2.90E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	7.68E-04
HES025BR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.58E-01	9.24E-08	3.05E-03	3.43E-02	0.00E+00	0.00E+00	4.12E-12	8.71E-11	5.60E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.61E-03	3.37E+00	0.00E+00	3.46E-10	6.83E-08	8.35E-03	6.02E-06	4.16E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.19E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HES025DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HES025DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.58E-01	9.23E-08	3.06E-03	3.42E-02	0.00E+00	0.00E+00	4.12E-12	8.71E-11	5.60E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.61E-03	3.37E+00	0.00E+00	3.46E-10	6.82E-08	8.35E-03	6.02E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.19E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HES026BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES026BR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.87E-08	8.54E-03	7.34E-06	5.01E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.01E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HES026DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES026DR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.87E-08	8.54E-03	7.34E-06	5.03E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HES040BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.75E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HES040BR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.58E-01	9.24E-08	3.05E-03	3.43E-02	0.00E+00	0.00E+00	4.12E-12	8.71E-11	5.60E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.61E-03	3.37E+00	0.00E+00	3.46E-10	6.83E-08	8.35E-03	6.02E-06	4.16E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.19E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HES040DC	2.30E-03	2.30E-01	0.00E+00	2.30E-01	0.00E+00	0.00E+00	1.35E-01	8.25E-08	6.62E-04	7.61E-03	0.00E+00	0.00E+00	3.30E-12	7.57E-11	4.75E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-05	7.32E-03	2.87E+00	0.00E+00	2.89E-10	1.56E-08	2.08E-03	4.53E-06	3.71E-03	0.00E+00	2.87E+00	8.47E-09	2.87E+00	2.88E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	7.65E-04
HES040DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.58E-01	9.23E-08	3.06E-03	3.42E-02	0.00E+00	0.00E+00	4.12E-12	8.71E-11	5.60E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.61E-03	3.37E+00	0.00E+00	3.46E-10	6.82E-08	8.35E-03	6.02E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.19E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HES041BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES041BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.86E-08	8.53E-03	7.28E-06	4.94E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HES041DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES041DR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.87E-08	8.54E-03	7.34E-06	5.03E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HES050BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HES050BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HES051BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES051BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.88E-08	8.53E-03	7.28E-06	4.95E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HES063BC	2.27E-03	2.24E-01	0.00E+00	2.24E-01	0.00E+00	0.00E+00	1.33E-01	8.12E-08	6.52E-04	7.51E-03	0.00E+00	0.00E+00	3.24E-12	7.49E-11	4.65E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-05	7.21E-03	2.81E+00	0.00E+00	2.84E-10	1.55E-08	2.08E-03	4.40E-06	3.67E-03	0.00E+00	2.81E+00	8.34E-09	2.81E+00	2.82E+00	3.67E-03	0.00E+00	0.00E+00	0.00E+00	7.47E-04
HES063BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.46E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.72E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HES063DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.78E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.54E-09	2.91E+00	2.92E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HES063DR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.46E-10	6.83E-08	8.36E-03	6.03E-06	4.18E-03	0.00E+00	3.37E+00	9.72E-09	3.37E+00	3.20E+00	4.18E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HES064BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES064BR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.89E-08	8.54E-03	7.34E-06	5.02E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.02E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HES064DC	2.88E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES064DR	1.25E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.13E-03	3.51E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.90E-08	8.59E-03	7.34E-06	5.03E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HES080BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HES080BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HES080DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.77E-04
HES080DR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.83E-08	8.36E-03	6.03E-06	4.18E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.18E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HES081BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES081BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.88E-08	8.53E-03	7.28E-06	4.95E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HES081DC	2.86E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.58E-01	9.42E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.32E-12	8.59E-11	5.97E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	8.77E-03	3.35E+00	0.00E+00	3.68E-10	2.04E-08	2.95E-03	5.86E-06	4.51E-03	0.00E+00	3.35E+00	9.72E-09	3.35E+00	3.38E+00	4.51E-03	0.00E+00	0.00E+00	0.00E+00	9.32E-04
HES081DR	1.25E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.13E-03	3.51E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.90E-08	8.59E-03	7.34E-06	5.03E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HES100BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HES100BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HES100DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.81E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.77E-04

HES100DR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.83E-08	8.36E-03	6.03E-06	4.18E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.18E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HES101BC	2.84E-03	2.63E-01	0.00E+00	2.63E-01	0.00E+00	0.00E+00	1.57E-01	9.35E-08	9.47E-04	1.09E-02	0.00E+00	0.00E+00	4.30E-12	8.57E-11	5.94E-04	0.00E+00	0.00E+00	0.00E+00	2.11E-05	8.71E-03	3.33E+00	0.00E+00	3.65E-10	2.04E-08	2.94E-03	5.83E-06	4.51E-03	0.00E+00	3.33E+00	9.68E-09	3.33E+00	3.37E+00	4.51E-03	0.00E+00	0.00E+00	0.00E+00	9.25E-04
HES101BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.88E-08	8.53E-03	7.28E-06	4.95E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HES101DC	2.88E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES101DR	1.25E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.13E-03	3.51E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.90E-08	8.59E-03	7.34E-06	5.03E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HES102DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES125BC	2.31E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.68E-04	7.64E-03	0.00E+00	0.00E+00	3.33E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.39E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.11E-03	4.57E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HES125BR	1.22E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.00E-03	3.37E-02	0.00E+00	0.00E+00	4.13E-12	8.71E-11	5.61E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.62E-03	3.37E+00	0.00E+00	3.46E-10	6.80E-08	8.28E-03	6.03E-06	4.16E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-04
HES125DC	2.31E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.68E-04	7.70E-03	0.00E+00	0.00E+00	3.33E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.11E-03	4.57E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.77E-04
HES125DR	1.22E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.01E-03	3.37E-02	0.00E+00	0.00E+00	4.13E-12	8.71E-11	5.61E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.62E-03	3.37E+00	0.00E+00	3.46E-10	6.79E-08	8.28E-03	6.03E-06	4.18E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.18E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-04
HES126BC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES126BR	1.23E-02	2.97E-01	0.00E+00	2.97E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.07E-03	3.43E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.87E+00	0.00E+00	4.25E-10	6.84E-08	8.45E-03	7.28E-06	4.94E-03	0.00E+00	3.87E+00	1.08E-08	3.87E+00	3.61E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HES126DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES126DR	1.24E-02	2.99E-01	0.00E+00	2.99E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.09E-03	3.46E-02	0.00E+00	0.00E+00	5.05E-12	1.03E-10	6.87E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.86E-08	8.51E-03	7.34E-06	5.03E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.65E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HES127DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HES160BC	2.31E-03	2.31E-01	0.00E+00	2.31E-01	0.00E+00	0.00E+00	1.37E-01	8.32E-08	6.67E-04	7.61E-03	0.00E+00	0.00E+00	3.32E-12	7.62E-11	4.81E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	7.36E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.11E-03	4.56E-06	3.73E-03	0.00E+00	2.91E+00	8.55E-09	2.91E+00	2.94E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HES160BR	1.21E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.58E-01	9.22E-08	2.98E-03	3.35E-02	0.00E+00	0.00E+00	4.10E-12	8.72E-11	5.59E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-05	8.60E-03	3.37E+00	0.00E+00	3.46E-10	6.73E-08	8.29E-03	6.04E-06	4.14E-03	0.00E+00	3.37E+00	9.70E-09	3.37E+00	3.22E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	9.17E-04
HES160DC	2.31E-03	2.31E-01	0.00E+00	2.31E-01	0.00E+00	0.00E+00	1.37E-01	8.32E-08	6.67E-04	7.61E-03	0.00E+00	0.00E+00	3.32E-12	7.62E-11	4.81E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	7.36E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.11E-03	4.56E-06	3.73E-03	0.00E+00	2.91E+00	8.55E-09	2.91E+00	2.94E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HES160DR	1.21E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.56E-01	9.22E-08	2.98E-03	3.35E-02	0.00E+00	0.00E+00	4.08E-12	8.73E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-05	8.56E-03	3.36E+00	0.00E+00	3.45E-10	6.72E-08	8.30E-03	6.04E-06	4.13E-03	0.00E+00	3.36E+00	9.70E-09	3.36E+00	3.19E+00	4.13E-03	0.00E+00	0.00E+00	0.00E+00	9.12E-04
HES161BC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HES161BR	1.23E-02	2.96E-01	0.00E+00	2.96E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.05E-03	3.42E-02	0.00E+00	0.00E+00	5.01E-12	1.01E-10	6.71E-04	0.00E+00	0.00E+00	0.00E+00	2.42E-05	1.02E-02	3.87E+00	0.00E+00	4.25E-10	6.76E-08	8.46E-03	7.27E-06	4.94E-03	0.00E+00	3.87E+00	1.08E-08	3.87E+00	3.63E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HES161DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HES161DR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.81E-01	1.06E-07	3.06E-03	3.44E-02	0.00E+00	0.00E+00	5.05E-12	1.03E-10	6.86E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.79E-08	8.51E-03	7.37E-06	5.02E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.67E+00	5.02E-03	0.00E+00	0.00E+00	0.00E+00	1.09E-03
HES162DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HET050DR	1.32E-02	5.53E-01	0.00E+00	5.53E-01	0.00E+00	0.00E+00	3.54E-01	1.98E-07	3.49E-03	3.84E-02	0.00E+00	0.00E+00	9.23E-12	1.86E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.97E-02	7.42E+00	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.42E+00	2.10E-08	7.42E+00	6.91E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
HET051DR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HET063DR	1.32E-02	5.53E-01	0.00E+00	5.53E-01	0.00E+00	0.00E+00	3.54E-01	1.98E-07	3.49E-03	3.84E-02	0.00E+00	0.00E+00	9.23E-12	1.86E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.97E-02	7.42E+00	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.42E+00	2.10E-08	7.42E+00	6.91E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
HET064DR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HET100BR	1.32E-02	5.53E-01	0.00E+00	5.53E-01	0.00E+00	0.00E+00	3.54E-01	1.98E-07	3.49E-03	3.84E-02	0.00E+00	0.00E+00	9.23E-12	1.86E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.97E-02	7.41E+00	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.91E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
HET100DR	1.32E-02	5.20E-01	0.00E+00	5.20E-01	0.00E+00	0.00E+00	3.25E-01	1.83E-07	3.50E-03	3.83E-02	0.00E+00	0.00E+00	8.14E-12	1.69E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.12E-05	1.74E-02	7.00E+00	0.00E+00	6.68E-10	7.30E-08	1.02E-02	1.21E-05	8.18E-03	0.00E+00	7.00E+00	1.90E-08	7.00E+00	6.56E+00	8.18E-03	0.00E+00	0.00E+00	0.00E+00	1.78E-03
HET101BR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HET101DR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HET102DR	2.80E-03	4.58E-01	0.00E+00	4.58E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.58E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	1.73E-02	6.36E+00	0.00E+00	7.41E-10	2.12E-08	3.58E-03	1.04E-05	8.78E-03	0.00E+00	6.36E+00	1.88E-08	6.36E+00	6.13E+00	8.78E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-03
HET125BR	1.32E-02	5.53E-01	0.00E+00	5.53E-01	0.00E+00	0.00E+00	3.54E-01	1.98E-07	3.49E-03	3.84E-02	0.00E+00	0.00E+00	9.23E-12	1.86E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.97E-02	7.41E+00	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.91E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
HET125DR	1.32E-02	5.53E-01	0.00E+00	5.53E-01	0.00E+00	0.00E+00	3.54E-01	1.98E-07	3.49E-03	3.84E-02	0.00E+00	0.00E+00	9.23E-12	1.86E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.97E-02	7.42E+00	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.42E+00	2.10E-08	7.42E+00	6.91E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
HET126BR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HET126DR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HET127DR	2.80E-03	4.58E-01	0.00E+00	4.58E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.58E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	1.73E-02	6.36E+00	0.00E+00	7.41E-10	2.12E-08	3.58E-03	1.04E-05	8.78E-03	0.00E+00	6.36E+00	1.88E-08	6.36E+00	6.13E+00	8.78E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-03
HET160BR	1.31E-02	5.47E-01	0.00E+00	5.47E-01	0.00E+00	0.00E+00	3.49E-01	1.95E-07	3.45E-03	3.78E-02	0.00E+00	0.00E+00	9.12E-12	1.85E-10	1.21E-03	0.00E+00	0.00E+00	0.00E+00	4.51E-05	1.94E-02	7.30E+00	0.00E+00	7.81E-10	7.19E-08	1.00E-02	1.24E-05	9.20E-03	0.00E+00	7.30E+00	2.07E-08	7.30E+00	6.79E+00	9.20E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-03
HET160DR	1.31E-02	5.13E-01	0.00E+00	5.13E-01	0.00E+00	0.00E+00	3.20E-01	1.81E-07	3.46E-03	3.77E-02	0.00E+00	0.00E+00	8.02E-12	1.68E-10	1.09E-03	0.00E+00	0.00E+00	0.00E+00	4.05E-05	1.71E-02	6.87E+00	0.00E+00	6.57E-10	7.26E-08	1.01E-02	1.19E-05	8.02E-03	0.00E+00	6.87E+00	1.86E-08	6.87E+00	6.43E+00	8.02E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HET161BR	1.31E-02	5.55E-01	0.00E+00	5.55E-01	0.00E+00	0.00E+00	3.53E-01	1.97E-07	3.45E-03	3.78E-02	0.00E+00	0.00E+00	9.32E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.99E-02	7.41E+00	0.00E+00	7.92E-10	7.21E-08	1.01E-02	1.24E-05	9.31E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.81E+00	9.31E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-03
HET161DR	1.31E-02	5.55E-01	0.00E+00	5.55E-01	0.00E+00	0.00E+00	3.53E-01	1.97E-07	3.45E-03	3.78E-02	0.00E+00	0.00E+00	9.32E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.99E-02	7.41E+00	0.00E+00	7.92E-10	7.21E-08	1.01E-02	1.24E-05	9.31E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.81E+00	9.31E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-03
HET162DR	2.80E-03	4.55E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	2.98E-01	1.72E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.56E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	1.70E-02	6.25E+00	0.00E+00	7.33E-10	2.12E-08	3.58E-03	1.03E-05	8.63E-03	0.00E+00	6.25E+00	1.85E-08	6.25E+00	5.99E+00	8.63E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HET200BR	1.31E-02	5.45E-01	0.00E+00	5.45E-01	0.00E+00	0.00E+00	3.49E-01	1.96E-07	3.47E-03	3.79E-02	0.00E+00	0.00E+00	9.12E-12	1.85E-10	1.21E-03	0.00E+00	0.00E+00	0.00E+00	4.51E-05	1.93E-02	7.28E+00	0.00E+00	7.81E-10	7.20E-08	1.01E-02	1.24E-05	9.22E-03	0.00E+00	7.28E+00	2.06E-08	7.28E+00	6.78E+00	9.22E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-03
HET200DR	1.31E-02	5.10E-01	0.00E+00	5.10E-01	0.00E+00	0.00E+00	3.20E-01	1.81E-07	3.46E-03	3.78E-02	0.00E+00	0.00E+00	8.05E-12	1.67E-10	1.09E-03	0.00E+00	0.00E+00	0.00E+00	4.06E-05	1.71E-02	6.87E+00	0.00E+00	6.59E-10	7.18E-08	1.01E-02	1.20E-05	8.06E-03	0.00E+00	6.87E+00	1.86E-08	6.87E+00	6.47E+00	8.06E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HET201BR	1.31E-02	5.52E-01	0.00E+00	5.52E-01	0.00E+00	0.00E+00	3.53E-01	1.97E-07	3.47E-03	3.80E-02	0.00E+00	0.00E+00	9.32E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.98E-02	7.38E+00	0.00E+00	7.92E-10	7.22E-08	1.01E-02	1.24E-05	9.32E-03	0.00E+00	7.38E+00	2.09E-08	7.38E+00	6.80E+00	9.32E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-03
HET201DR	1.31E-02	5.54E-01	0.00E+00	5.54E-01	0.00E+00	0.00E+00	3.53E-01	1.97E-07	3.46E-03	3.79E-02	0.00E+00	0.00E+00	9.32E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.99E-02	7.41E+00	0.00E+00	7.92E-10	7.14E-08	1.01E-02	1.24E-05	9.32E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.80E+00	9.32E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-03
HET202DR	2.79E-03	4.54E-01	0.00E+00	4.54E-01	0.00E+00	0.00E+00	2.98E-01	1.72E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.57E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	1.70E-02	6.25E+00	0.00E+00	7.33E-10	2.11E-08	3.56E-03	1.03E-05	8.62E-03	0.00E+00	6.25E+00	1.85E-08	6.25E+00	5.97E+00	8.62E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HET250BR	1.30E-02	5.48E-01	0.00E+00	5.48E-01	0.00E+00	0.00E+00	3.48E-01	1.94E-07	3.42E-03	3.76E-02	0.00E+00	0.00E+00	9.10E-12	1.84E-10	1.21E-03	0.00E+00	0.00E+00	0.00E+00	4.48E-05	1.94E-02	7.25E+00	0.00E+00	7.79E-10	7.10E-08	1.00E-02	1.24E-05	9.15E-03	0.00E+00	7.25E+00	2.05E-08	7.25E+00	6.76E+00	9.15E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-03
HET250DR	1.30E-02	5.11E-01	0.00E+00	5.11E-01	0.00E+00	0.00E+00	3.18E-01	1.79E-07	3.43E-03	3.76E-02	0.00E+00	0.00E+00	8.02E-12	1.67E-10	1.08E-03	0.00E+00	0.00E+00	0.00E+00	4.03E-05	1.71E-02	6.81E+00	0.00E+00	6.57E-10	7.17E-08	1.01E-02	1.19E-05	7.98E-03	0.00E+00	6.81E+00	1.84E-08	6.81E+00	6.45E+00	7.98E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-03
HET251BR	1.30E-02	5.56E-01	0.00E+00	5.56E-01	0.00E+00	0.00E+00	3.52E-01	1.96E-07	3.43E-03	3.77E-02	0.00E+00	0.00E+00	9.30E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.55E-05	1.99E-02	7.36E+00	0.00E+00	7.89E-10	7.13E-08	1.01E-02	1.24E-05	9.26E-03	0.00E+00	7.36E+00	2.09E-08	7.36E+00	6.79E+00	9.26E-03	0.00E+00	0.00E+00	0.00E+00	2.13E-03
HET251DR	2.83E-03	4.60E-01	0.00E+00	4.60E-01	0.00E+00	0.00E+00	3.00E-01	1.72E-07	1.24E-03	1.37E-02	0.00E+00	0.00E+00	8.29E-12	1.58E-10	1.13E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.72E-02	6.26E+00	0.00E+00	7.43E-10	2.18E-08	3.65E-03	1.05E-05	8.71E-03	0.00E+00	6.26E+00	1.85E-08	6.26E+00	6.02E+00	8.71E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-03
HET252DR	2.81E-03	4.58E-01	0.00E+00	4.58E-01	0.00E+00	0.00E+00	2.97E-01	1.70E-07	1.22E-03	1.36E-02	0.00E+00	0.00E+00	8.24E-12	1.57E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.09E-05	1.69E-02	6.21E+00	0.00E+00	7.31E-10	2.14E-08	3.63E-03	1.02E-05	8.59E-03	0.00E+00	6.21E+00	1.84E-08	6.21E+00	5.97E+00	8.59E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-03
HEW250DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HEW251DR	7.91E-03	1.24E+00	0.00E+00	1.24E+00	0.00E+00	0.00E+00	8.15E-01	4.67E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.19E-11	4.24E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.37E-02	1.74E+01	0.00E+00	1.91E-09	6.45E-08	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-03
HEW320BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.72E-01	3.86E-07	3.24E-03	3.56E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.62E-02	1.45E+01	0.00E+00	1.59E-09	5.51E-08	8.95E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.08E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HEW320DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HEW321BR	7.65E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.80E-01	4.49E-07	3.61E-03	3.97E-02	0.00E+00	0.00E+00	2.12E-11	4.03E-10	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.05E-04	4.21E-02	1.68E+01	0.00E+00	1.86E-09	6.34E-08	9.98E-03	2.98E-05	2.24E-02	0.00E+00	1.68E+01	4.72E-08	1.68E+01	1.65E+01	2.24E-02	0.00E+00	0.00E+00	0.00E+00	4.57E-03
HEW321DR	7.90E-03	1.24E+00	0.00E+00	1.24E+00	0.00E+00	0.00E+00	8.14E-01	4.66E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.19E-11	4.23E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.09E-04	4.36E-02	1.74E+01	0.00E+00	1.91E-09	6.44E-08	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.90E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.72E-03
HEW400DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.13E-03	3.44E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.45E-08	8.78E-03	2.61E-05	1.94E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HEW401DR	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.48E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.92E-08	1.74E+01	1.74E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
HEW500BR	6.64E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.88E-07	3.20E-03	3.52E-02	0.00E+00	0.00E+00	1.84E-11	3.47E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.63E-02	1.45E+01	0.00E+00	1.59E-09	5.52E-08	8.87E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.07E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.92E-03
HEW501BR	7.66E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.84E-01	4.50E-07	3.59E-03	3.94E-02	0.00E+00	0.00E+00	2.13E-11	4.03E-10	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-04	4.22E-02	1.68E+01	0.00E+00	1.86E-09	6.34E-08	9.92E-03	2.99E-05	2.25E-02	0.00E+00	1.68E+01	4.72E-08	1.68E+01	1.65E+01	2.25E-02	0.00E+00	0.00E+00	0.00E+00	4.58E-03
HHA014E	6.70E-04	8.42E-02	0.00E+00	8.42E-02	0.00E+00	0.00E+00	5.53E-02	3.09E-08	2.41E-04	2.64E-03	0.00E+00	0.00E+00	1.40E-12	2.87E-11	1.93E-04	0.00E+00	0.00E+00	0.00E+00	7.11E-06	2.82E-03	1.14E+00	0.00E+00	1.22E-10	4.13E-09	6.59E-04	2.02E-06	1.50E-03	0.00E+00	1.14E+00	3.21E-09	1.14E+00	1.14E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	3.02E-04
HHA014Z	1.01E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.35E-08	2.84E-03	3.21E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.40E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.70E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.76E-04
HHA016Z	1.12E-03	1.76E-01	0.00E+00	1.76E-01	0.00E+00	0.00E+00	1.15E-01	6.64E-08	5.24E-04	5.88E-03	0.00E+00	0.00E+00	3.08E-12	5.99E-11	4.23E-04	0.00E+00	0.00E+00	0.00E+00	1.55E-05	6.17E-03	2.45E+00	0.00E+00	2.67E-10	9.34E-09	1.47E-03	4.39E-06	3.25E-03	0.00E+00	2.45E+00	6.81E-09	2.45E+00	2.44E+00	3.25E-03	0.00E+00	0.00E+00	0.00E+00	6.67E-04
HHA017Z	1.29E-03	2.10E-01	0.00E+00	2.10E-01	0.00E+00	0.00E+00	1.37E-01	8.02E-08	6.02E-04	6.66E-03	0.00E+00	0.00E+00	3.70E-12	7.18E-11	5.07E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-05	7.44E-03	2.95E+00	0.00E+00	3.23E-10	1.08E-08	1.68E-03	5.24E-06	3.92E-03	0.00E+00	2.95E+00	8.26E-09	2.95E+00	2.92E+00	3.92E-03	0.00E+00	0.00E+00	0.00E+00	7.91E-04
HHA018E	6.70E-04	8.43E-02	0.00E+00	8.43E-02	0.00E+00	0.00E+00	5.53E-02	3.09E-08	2.41E-04	2.64E-03	0.00E+00	0.00E+00	1.40E-12	2.87E-11	1.93E-04	0.00E+00	0.00E+00	0.00E+00	7.11E-06	2.82E-03	1.14E+00	0.00E+00	1.22E-10	4.13E-09	6.59E-04	2.02E-06	1.50E-03	0.00E+00	1.14E+00	3.21E-09	1.14E+00	1.14E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	3.02E-04
HHA018Z	1.01E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.35E-08	2.84E-03	3.21E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.40E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.70E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.76E-04
HHA020Z	1.14E-03	1.78E-01	0.00E+00	1.78E-01	0.00E+00	0.00E+00	1.18E-01	6.76E-08	5.33E-04	5.91E-03	0.00E+00	0.00E+00	3.14E-12	6.10E-11	4.35E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	6.28E-03	2.52E+00	0.00E+00	2.75E-10	9.32E-09	1.48E-03	4.48E-06	3.34E-03	0.00E+00	2.52E+00	7.00E-09	2.52E+00	2.52E+00	3.34E-03	0.00E+00	0.00E+00	0.00E+00	6.82E-04
HHA021Z	1.04E-02	4.47E-01	0.00E+00	4.47E-01	0.00E+00	0.00E+00	2.72E-01	1.59E-07	2.98E-03	3.11E-02	0.00E+00	0.00E+00	6.37E-12	1.49E-10	9.04E-04	0.00E+00	0.00E+00	0.00E+00	3.50E-05	1.37E-02	5.78E+00	0.00E+00	5.67E-10	5.98E-08	8.23E-03	9.46E-06	7.12E-03	0.00E+00	5.78E+00	1.64E-08	5.78E+00	5.90E+00	7.12E-03	0.00E+00	0.00E+00	0.00E+00	1.46E-03
HHA023E	6.70E-04	8.43E-02	0.00E+00	8.43E-02	0.00E+00	0.00E+00	5.54E-02	3.10E-08	2.41E-04	2.64E-03	0.00E+00	0.00E+00	1.40E-12	2.87E-11	1.93E-04	0.00E+00	0.00E+00	0.00E+00	7.12E-06	2.82E-03	1.14E+00	0.00E+00	1.22E-10	4.13E-09	6.59E-04	2.03E-06	1.50E-03	0.00E+00	1.14E+00	3.21E-09	1.14E+00	1.14E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	3.02E-04
HHA023Z	1.01E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.36E-08	2.84E-03	3.21E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.40E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.71E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.76E-04
HHA025H	1.16E-03	1.81E-01	0.00E+00	1.81E-01	0.00E+00	0.00E+00	1.18E-01	6.73E-08	5.39E-04	5.90E-03	0.00E+00	0.00E+00	3.22E-12	6.22E-11	4.44E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	6.41E-03	2.54E+00	0.00E+00	2.84E-10	9.49E-09	1.50E-03	4.68E-06	3.46E-03	0.00E+00	2.54E+00	7.07E-09	2.54E+00	2.53E+00	3.46E-03	0.00E+00	0.00E+00	0.00E+00	6.97E-04
HHA025U	1.18E-03	1.87E-01	0.00E+00	1.87E-01	0.00E+00	0.00E+00	1.22E-01	6.99E-08	5.50E-04	6.06E-03	0.00E+00	0.00E+00	3.25E-12	6.32E-11	4.52E-04	0.00E+00	0.00E+00	0.00E+00	1.64E-05	6.52E-03	2.59E+00	0.00E+00	2.84E-10	9.49E-09	1.51E-03	4.67E-06	3.44E-03	0.00E+00	2.59E+00	7.27E-09	2.59E+00	2.60E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	7.06E-04
HHA025Z	1.16E-03	1.84E-01	0.00E+00	1.84E-01	0.00E+00	0.00E+00	1.21E-01	6.88E-08	5.43E-04	5.99E-03	0.00E+00	0.00E+00	3.21E-12	6.22E-11	4.46E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.43E-03	2.55E+00	0.00E+00	2.80E-10	9.45E-09	1.50E-03	4.61E-06	3.42E-03	0.00E+00	2.55E+00	7.18E-09	2.55E+00	2.56E+00	3.42E-03	0.00E+00	0.00E+00	0.00E+00	7.00E-04
HHA026H	1.57E-03	2.28E-01	0.00E+00	2.28E-01	0.00E+00	0.00E+00	1.53E-01	8.67E-08	7.38E-04	8.07E-03	0.00E+00	0.00E+00	4.17E-12	8.03E-11	5.71E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.21E-03	3.30E+00	0.00E+00	3.65E-10	1.30E-08	2.07E-03	6.08E-06	4.46E-03	0.00E+00	3.30E+00	9.16E-09	3.30E+00	3.25E+00	4.46E-03	0.00E+00	0.00E+00	0.00E+00	8.93E-04
HHA026U	1.05E-02	4.38E-01	0.00E+00	4.38E-01	0.00E+00	0.00E+00	2.70E-01	1.59E-07	2.92E-03	3.07E-02	0.00E+00	0.00E+00	6.33E-12	1.49E-10	8.99E-04	0.00E+00	0.00E+00	0.00E+00	3.48E-05	1.37E-02	5.77E+00	0.00E+00	5.68E-10	5.98E-08	8.10E-03	9.47E-06	7.14E-03	0.00E+00	5.77E+00	1.62E-08	5.77E+00	5.89E+00	7.14E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-03
HHA026Z	1.31E-03	2.14E-01	0.00E+00	2.14E-01	0.00E+00	0.00E+00	1.41E-01	8.15E-08	6.16E-04	6.68E-03	0.00E+00	0.00E+00	3.81E-12	7.30E-11	5.29E-04	0.00E+00	0.00E+00	0.00E+00	1.92E-05	7.62E-03	3.02E+00	0.00E+00	3.33E-10	1.09E-08	1.71E-03	5.44E-06	4.05E-03	0.00E+00	3.02E+00	8.60E-09	3.02E+00	3.03E+00	4.05E-03	0.00E+00	0.00E+00	0.00E+00	8.21E-04
HHA030E	6.70E-04	8.42E-02	0.00E+00	8.42E-02	0.00E+00	0.00E+00	5.53E-02	3.09E-08	2.41E-04	2.64E-03	0.00E+00	0.00E+00	1.40E-12	2.87E-11	1.93E-04	0.00E+00	0.00E+00	0.00E+00	7.11E-06	2.82E-03	1.14E+00	0.00E+00	1.22E-10	4.13E-09	6.59E-04	2.02E-06	1.50E-03	0.00E+00	1.14E+00	3.21E-09	1.14E+00	1.14E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	3.02E-04
HHA030Z	1.00E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.35E-08	2.82E-03	3.18E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.25E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.70E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.75E-04
HHA032Z	9.62E-03	2.83E-01	0.00E+00	2.83E-01	0.00E+00	0.00E+00	1.73E-01	1.02E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.43E-12	9.72E-11	6.31E-04	0.00E+00	0.00E+00	0.00E+00	2.36E-05	9.13E-03	3.64E+00	0.00E+00	3.87E-10	5.15E-08	6.30E-03	6.31E-06	4.67E-03	0.00E+00	3.64E+00	1.01E-08	3.64E+00	3.82E+00	4.67E-03	0.00E+00	0.00E+00	0.00E+00	9.60E-04
HHA033Z	1.30E-03	2.09E-01	0.00E+00	2.09E-01	0.00E+00	0.00E+00	1.38E-01	8.01E-08	6.05E-04	6.61E-03	0.00E+00	0.00E+00	3.73E-12	7.16E-11	5.16E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-05	7.44E-03	2.98E+00	0.00E+00	3.25E-10	1.07E-08	1.68E-03	5.32E-06	3.97E-03	0.00E+00	2.98E+00	8.39E-09	2.98E+00	2.98E+00	3.97E-03	0.00E+00	0.00E+00	0.00E+00	7.97E-04
HHA038Z	1.00E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.36E-08	2.82E-03	3.18E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.25E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.71E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.75E-04
HHA040H	1.31E-03	1.73E-01	0.00E+00	1.73E-01	0.00E+00	0.00E+00	1.13E-01	6.38E-08	5.37E-04	5.86E-03	0.00E+00	0.00E+00	3.05E-12	5.97E-11	4.23E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-05	6.18E-03	2.43E+00	0.00E+00	2.70E-10	9.47E-09	1.50E-03	4.41E-06	3.32E-03	0.00E+00	2.43E+00	6.69E-09	2.43E+00	2.39E+00	3.32E-03	0.00E+00	0.00E+00	0.00E+00	6.64E-04

HHA040U	1.13E-03	1.78E-01	0.00E+00	1.78E-01	0.00E+00	0.00E+00	1.17E-01	6.68E-08	5.29E-04	5.80E-03	0.00E+00	0.00E+00	3.13E-12	6.06E-11	4.34E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-05	6.26E-03	2.49E+00	0.00E+00	2.73E-10	9.18E-09	1.46E-03	4.46E-06	3.32E-03	0.00E+00	2.49E+00	7.02E-09	2.49E+00	2.49E+00	3.32E-03	0.00E+00	0.00E+00	0.00E+00	6.77E-04
HHA040Z	9.62E-03	2.88E-01	0.00E+00	2.88E-01	0.00E+00	0.00E+00	1.75E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.83E-11	6.43E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	9.31E-03	3.67E+00	0.00E+00	3.92E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.67E+00	1.02E-08	3.67E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.79E-04
HHA041H	1.56E-03	2.20E-01	0.00E+00	2.20E-01	0.00E+00	0.00E+00	1.49E-01	8.30E-08	7.33E-04	8.03E-03	0.00E+00	0.00E+00	4.02E-12	7.79E-11	5.54E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-05	8.00E-03	3.19E+00	0.00E+00	3.54E-10	1.30E-08	2.06E-03	5.84E-06	4.33E-03	0.00E+00	3.19E+00	8.81E-09	3.19E+00	3.10E+00	4.33E-03	0.00E+00	0.00E+00	0.00E+00	8.65E-04
HHA041U	1.03E-02	4.25E-01	0.00E+00	4.25E-01	0.00E+00	0.00E+00	2.61E-01	1.53E-07	2.85E-03	2.98E-02	0.00E+00	0.00E+00	5.78E-12	1.46E-10	8.33E-04	0.00E+00	0.00E+00	0.00E+00	3.29E-05	1.30E-02	5.55E+00	0.00E+00	5.23E-10	5.97E-08	7.94E-03	8.72E-06	6.73E-03	0.00E+00	5.55E+00	1.56E-08	5.55E+00	5.73E+00	6.73E-03	0.00E+00	0.00E+00	0.00E+00	1.37E-03
HHA041Z	1.03E-02	4.43E-01	0.00E+00	4.43E-01	0.00E+00	0.00E+00	2.72E-01	1.59E-07	2.93E-03	3.03E-02	0.00E+00	0.00E+00	6.37E-12	1.49E-10	9.07E-04	0.00E+00	0.00E+00	0.00E+00	3.50E-05	1.37E-02	5.77E+00	0.00E+00	5.68E-10	5.98E-08	8.07E-03	9.47E-06	7.14E-03	0.00E+00	5.77E+00	1.63E-08	5.77E+00	5.89E+00	7.14E-03	0.00E+00	0.00E+00	0.00E+00	1.46E-03
HHA048Z	1.00E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.28E-01	7.36E-08	2.82E-03	3.18E-02	0.00E+00	0.00E+00	2.94E-12	7.15E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.25E-03	4.34E-06	3.08E-03	0.00E+00	2.61E+00	7.54E-09	2.61E+00	2.71E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.75E-04
HHA050Z	9.62E-03	2.88E-01	0.00E+00	2.88E-01	0.00E+00	0.00E+00	1.75E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.83E-11	6.43E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	9.31E-03	3.67E+00	0.00E+00	3.93E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.67E+00	1.02E-08	3.67E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.81E-04
HHA051Z	1.31E-03	2.13E-01	0.00E+00	2.13E-01	0.00E+00	0.00E+00	1.40E-01	8.11E-08	6.15E-04	6.67E-03	0.00E+00	0.00E+00	3.80E-12	7.27E-11	5.28E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.61E-03	3.00E+00	0.00E+00	3.32E-10	1.09E-08	1.71E-03	5.45E-06	4.04E-03	0.00E+00	3.00E+00	8.59E-09	3.00E+00	3.02E+00	4.04E-03	0.00E+00	0.00E+00	0.00E+00	8.15E-04
HHA061Z	4.98E-04	7.86E-02	0.00E+00	7.86E-02	0.00E+00	0.00E+00	5.15E-02	2.95E-08	2.34E-04	2.56E-03	0.00E+00	0.00E+00	1.38E-12	2.67E-11	1.92E-04	0.00E+00	0.00E+00	0.00E+00	6.96E-06	2.76E-03	1.10E+00	0.00E+00	1.21E-10	4.05E-09	6.46E-04	1.97E-06	1.46E-03	0.00E+00	1.10E+00	3.10E-09	1.10E+00	1.10E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	2.99E-04
HHA063H	1.24E-03	1.95E-01	0.00E+00	1.95E-01	0.00E+00	0.00E+00	1.28E-01	7.33E-08	5.80E-04	6.37E-03	0.00E+00	0.00E+00	3.44E-12	6.65E-11	4.76E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	6.86E-03	2.73E+00	0.00E+00	3.00E-10	1.01E-08	1.61E-03	4.89E-06	3.64E-03	0.00E+00	2.73E+00	7.70E-09	2.73E+00	2.73E+00	3.64E-03	0.00E+00	0.00E+00	0.00E+00	7.43E-04
HHA063U	1.16E-03	1.82E-01	0.00E+00	1.82E-01	0.00E+00	0.00E+00	1.19E-01	6.84E-08	5.42E-04	5.94E-03	0.00E+00	0.00E+00	3.21E-12	6.20E-11	4.44E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	6.40E-03	2.55E+00	0.00E+00	2.80E-10	9.40E-09	1.50E-03	4.56E-06	3.40E-03	0.00E+00	2.55E+00	7.18E-09	2.55E+00	2.55E+00	3.40E-03	0.00E+00	0.00E+00	0.00E+00	6.93E-04
HHA063Z	9.62E-03	2.88E-01	0.00E+00	2.88E-01	0.00E+00	0.00E+00	1.75E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.83E-11	6.43E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	9.31E-03	3.67E+00	0.00E+00	3.93E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.67E+00	1.02E-08	3.67E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.81E-04
HHA064H	1.57E-03	2.42E-01	0.00E+00	2.42E-01	0.00E+00	0.00E+00	1.59E-01	9.08E-08	7.41E-04	8.11E-03	0.00E+00	0.00E+00	4.31E-12	8.36E-11	5.94E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.53E-03	3.42E+00	0.00E+00	3.75E-10	1.30E-08	2.06E-03	6.09E-06	4.56E-03	0.00E+00	3.42E+00	9.61E-09	3.42E+00	3.42E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.25E-04
HHA064U	1.03E-02	4.21E-01	0.00E+00	4.21E-01	0.00E+00	0.00E+00	2.57E-01	1.51E-07	2.89E-03	3.00E-02	0.00E+00	0.00E+00	5.71E-12	1.45E-10	8.25E-04	0.00E+00	0.00E+00	0.00E+00	3.24E-05	1.28E-02	5.46E+00	0.00E+00	5.18E-10	5.93E-08	8.01E-03	8.65E-06	6.61E-03	0.00E+00	5.46E+00	1.53E-08	5.46E+00	5.63E+00	6.61E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03
HHA064Z	1.03E-02	4.43E-01	0.00E+00	4.43E-01	0.00E+00	0.00E+00	2.72E-01	1.59E-07	2.93E-03	3.03E-02	0.00E+00	0.00E+00	6.37E-12	1.49E-10	9.07E-04	0.00E+00	0.00E+00	0.00E+00	3.50E-05	1.37E-02	5.77E+00	0.00E+00	5.68E-10	5.98E-08	8.07E-03	9.47E-06	7.14E-03	0.00E+00	5.77E+00	1.63E-08	5.77E+00	5.89E+00	7.14E-03	0.00E+00	0.00E+00	0.00E+00	1.46E-03
HHA078Z	1.00E-02	2.13E-01	0.00E+00	2.13E-01	0.00E+00	0.00E+00	1.23E-01	7.36E-08	2.82E-03	3.18E-02	0.00E+00	0.00E+00	2.94E-12	6.96E-11	3.91E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-05	6.20E-03	2.54E+00	0.00E+00	2.43E-10	6.32E-08	7.25E-03	4.34E-06	3.08E-03	0.00E+00	2.54E+00	7.44E-09	2.54E+00	2.64E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.63E-04
HHA080H	1.32E-03	1.74E-01	0.00E+00	1.74E-01	0.00E+00	0.00E+00	1.13E-01	6.42E-08	5.40E-04	5.89E-03	0.00E+00	0.00E+00	3.07E-12	6.00E-11	4.25E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-05	6.21E-03	2.44E+00	0.00E+00	2.72E-10	9.51E-09	1.50E-03	4.43E-06	3.33E-03	0.00E+00	2.44E+00	6.75E-09	2.44E+00	2.40E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-04
HHA080U	1.16E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	6.86E-08	5.43E-04	5.96E-03	0.00E+00	0.00E+00	3.22E-12	6.22E-11	4.46E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.42E-03	2.55E+00	0.00E+00	2.80E-10	9.42E-09	1.50E-03	4.57E-06	3.41E-03	0.00E+00	2.55E+00	7.20E-09	2.55E+00	2.56E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	6.95E-04
HHA080Z	9.62E-03	2.86E-01	0.00E+00	2.86E-01	0.00E+00	0.00E+00	1.70E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.66E-11	6.30E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-05	9.30E-03	3.60E+00	0.00E+00	3.93E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.60E+00	1.01E-08	3.60E+00	3.82E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.71E-04
HHA081H	1.71E-03	2.19E-01	0.00E+00	2.19E-01	0.00E+00	0.00E+00	1.47E-01	8.24E-08	7.32E-04	8.00E-03	0.00E+00	0.00E+00	3.99E-12	7.75E-11	5.50E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-05	7.94E-03	3.17E+00	0.00E+00	3.51E-10	1.30E-08	2.06E-03	5.78E-06	4.29E-03	0.00E+00	3.17E+00	8.74E-09	3.17E+00	3.08E+00	4.29E-03	0.00E+00	0.00E+00	0.00E+00	8.58E-04
HHA081U	1.31E-03	2.18E-01	0.00E+00	2.18E-01	0.00E+00	0.00E+00	1.43E-01	8.28E-08	6.18E-04	6.64E-03	0.00E+00	0.00E+00	3.84E-12	7.45E-11	5.33E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-05	7.60E-03	3.05E+00	0.00E+00	3.35E-10	1.07E-08	1.71E-03	5.43E-06	4.03E-03	0.00E+00	3.05E+00	8.65E-09	3.05E+00	3.10E+00	4.03E-03	0.00E+00	0.00E+00	0.00E+00	8.27E-04
HHA081Z	1.03E-02	4.33E-01	0.00E+00	4.33E-01	0.00E+00	0.00E+00	2.59E-01	1.54E-07	2.92E-03	3.03E-02	0.00E+00	0.00E+00	5.84E-12	1.45E-10	8.34E-04	0.00E+00	0.00E+00	0.00E+00	3.28E-05	1.31E-02	5.51E+00	0.00E+00	5.26E-10	5.97E-08	8.07E-03	8.72E-06	6.75E-03	0.00E+00	5.51E+00	1.57E-08	5.51E+00	5.69E+00	6.75E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-03
HHA082H	1.60E-03	2.43E-01	0.00E+00	2.43E-01	0.00E+00	0.00E+00	1.60E-01	9.15E-08	7.53E-04	8.23E-03	0.00E+00	0.00E+00	4.36E-12	8.39E-11	6.00E-04	0.00E+00	0.00E+00	0.00E+00	2.18E-05	8.60E-03	3.44E+00	0.00E+00	3.79E-10	1.30E-08	2.09E-03	6.18E-06	4.62E-03	0.00E+00	3.44E+00	9.70E-09	3.44E+00	3.43E+00	4.62E-03	0.00E+00	0.00E+00	0.00E+00	9.33E-04
HHA098Z	1.00E-02	2.17E-01	0.00E+00	2.17E-01	0.00E+00	0.00E+00	1.27E-01	7.55E-08	2.82E-03	3.19E-02	0.00E+00	0.00E+00	3.03E-12	7.12E-11	4.04E-04	0.00E+00	0.00E+00	0.00E+00	1.65E-05	6.33E-03	2.63E+00	0.00E+00	2.53E-10	6.32E-08	7.25E-03	4.42E-06	3.17E-03	0.00E+00	2.63E+00	7.67E-09	2.63E+00	2.75E+00	3.17E-03	0.00E+00	0.00E+00	0.00E+00	6.80E-04
HHA100H	1.24E-03	1.95E-01	0.00E+00	1.95E-01	0.00E+00	0.00E+00	1.28E-01	7.33E-08	5.80E-04	6.37E-03	0.00E+00	0.00E+00	3.44E-12	6.65E-11	4.76E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	6.86E-03	2.73E+00	0.00E+00	3.00E-10	1.01E-08	1.61E-03	4.89E-06	3.64E-03	0.00E+00	2.73E+00	7.70E-09	2.73E+00	2.73E+00	3.64E-03	0.00E+00	0.00E+00	0.00E+00	7.43E-04
HHA100U	1.13E-03	1.77E-01	0.00E+00	1.77E-01	0.00E+00	0.00E+00	1.16E-01	6.66E-08	5.27E-04	5.79E-03	0.00E+00	0.00E+00	3.12E-12	6.04E-11	4.33E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	6.24E-03	2.48E+00	0.00E+00	2.72E-10	9.15E-09	1.46E-03	4.44E-06	3.31E-03	0.00E+00	2.48E+00	6.99E-09	2.48E+00	2.48E+00	3.31E-03	0.00E+00	0.00E+00	0.00E+00	6.75E-04
HHA100Z	9.52E-03	2.87E-01	0.00E+00	2.87E-01	0.00E+00	0.00E+00	1.69E-01	1.03E-07	2.51E-03	2.69E-02	0.00E+00	0.00E+00	4.41E-12	9.63E-11	6.22E-04	0.00E+00	0.00E+00	0.00E+00	2.32E-05	9.23E-03	3.57E+00	0.00E+00	3.86E-10	5.07E-08	6.28E-03	6.33E-06	4.70E-03	0.00E+00	3.57E+00	1.01E-08	3.57E+00	3.79E+00	4.70E-03	0.00E+00	0.00E+00	0.00E+00	9.59E-04
HHA101H	1.37E-03	2.15E-01	0.00E+00	2.15E-01	0.00E+00	0.00E+00	1.41E-01	8.09E-08	6.41E-04	7.03E-03	0.00E+00	0.00E+00	3.79E-12	7.34E-11	5.26E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.57E-03	3.01E+00	0.00E+00	3.31E-10	1.11E-08	1.77E-03	5.39E-06	4.02E-03	0.00E+00	3.01E+00	8.49E-09	3.01E+00	3.01E+00	4.02E-03	0.00E+00	0.00E+00	0.00E+00	8.19E-04
HHA101U	1.02E-02	4.19E-01	0.00E+00	4.19E-01	0.00E+00	0.00E+00	2.52E-01	1.51E-07	2.88E-03	3.00E-02	0.00E+00	0.00E+00	5.69E-12	1.44E-10	8.10E-04	0.00E+00	0.00E+00	0.00E+00	3.18E-05	1.28E-02	5.39E+00	0.00E+00	5.16E-10	5.87E-08	8.01E-03	8.63E-06	6.59E-03	0.00E+00	5.39E+00	1.52E-08	5.39E+00	5.59E+00	6.59E-03	0.00E+00	0.00E+00	0.00E+00	1.33E-03
HHA101Z	1.02E-02	4.28E-01	0.00E+00	4.28E-01	0.00E+00	0.00E+00	2.53E-01	1.50E-07	2.89E-03	3.00E-02	0.00E+00	0.00E+00	5.71E-12	1.44E-10	8.17E-04	0.00E+00	0.00E+00	0.00E+00	3.19E-05	1.27E-02	5.37E+00	0.00E+00	5.14E-10	5.85E-08	8.02E-03	8.59E-06	6.57E-03	0.00E+00	5.37E+00	1.52E-08	5.37E+00	5.55E+00	6.57E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-03
HHA102H	1.51E-03	2.17E-01	0.00E+00	2.17E-01	0.00E+00	0.00E+00	1.45E-01	8.13E-08	7.07E-04	7.75E-03	0.00E+00	0.00E+00	3.91E-12	7.61E-11	5.38E-04	0.00E+00	0.00E+00	0.00E+00	1.89E-05	7.77E-03	3.10E+00	0.00E+00	3.43E-10	1.24E-08	1.99E-03	5.64E-06	4.22E-03	0.00E+00	3.10E+00	8.57E-09	3.10E+00	2.98E+00	4.22E-03	0.00E+00	0.00E+00	0.00E+00	8.39E-04
HHA123Z	1.01E-02	2.23E-01	0.00E+00	2.23E-01	0.00E+00	0.00E+00	1.29E-01	7.64E-08	2.75E-03	3.11E-02	0.00E+00	0.00E+00	3.07E-12	7.24E-11	4.14E-04	0.00E+00	0.00E+00	0.00E+00	1.68E-05	6.49E-03	2.66E+00	0.00E+00	2.57E-10	6.32E-08	7.09E-03	4.52E-06	3.24E-03	0.00E+00	2.66E+00	7.83E-09	2.66E+00	2.80E+00	3.24E-03	0.00E+00	0.00E+00	0.00E+00	6.96E-04
HHA125H	1.24E-03	1.95E-01	0.00E+00	1.95E-01	0.00E+00	0.00E+00	1.28E-01	7.33E-08	5.80E-04	6.37E-03	0.00E+00	0.00E+00	3.44E-12	6.65E-11	4.76E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-05	6.86E-03	2.73E+00	0.00E+00	3.00E-10	1.01E-08	1.61E-03	4.89E-06	3.64E-03	0.00E+00	2.73E+00	7.70E-09	2.73E+00	2.73E+00	3.64E-03	0.00E+00	0.00E+00	0.00E+00	7.43E-04
HHA125U	1.17E-03	1.84E-01	0.00E+00	1.84E-01	0.00E+00	0.00E+00	1.21E-01	6.91E-08	5.47E-04	6.00E-03	0.00E+00	0.00E+00	3.24E-12	6.26E-11	4.49E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-05	6.47E-03	2.57E+00	0.00E+00	2.82E-10	9.49E-09	1.51E-03	4.61E-06	3.43E-03	0.00E+00	2.57E+00	7.25E-09	2.57E+00	2.57E+00	3.43E-03	0.00E+00	0.00E+00	0.00E+00	6.99E-04
HHA125Z	9.63E-03	2.87E-01	0.00E+00	2.87E-01	0.00E+00	0.00E+00	1.70E-01	1.04E-07	2.45E-03	2.61E-02	0.00E+00	0.00E+00	4.51E-12	9.70E-11	6.32E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-05	9.34E-03	3.60E+00	0.00E+00	3.95E-10	5.07E-08	6.09E-03	6.43E-06	4.76E-03	0.00E+00	3.60E+00	1.02E-08	3.60E+00	3.82E+00	4.76E-03	0.00E+00	0.00E+00	0.00E+00	9.75E-04
HHA126H	1.62E-03	2.55E-01	0.00E+00	2.55E-01	0.00E+00	0.00E+00	1.68E-01	9.59E-08	7.59E-04	8.33E-03	0.00E+00	0.00E+00	4.50E-12	8.70E-11	6.23E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-05	8.98E-03	3.57E+00	0.00E+00	3.92E-10	1.32E-08	2.10E-03	6.39E-06	4.76E-03	0.00E+00	3.57E+00	1.01E-08	3.57E+00	3.57E+00	4.76E-03	0.00E+00	0.00E+00	0.00E+00	9.71E-04
HHA126U	1.04E-02	4.29E-01	0.00E+00	4.29E-01	0.00E+00	0.00E+00	2.61E-01	1.56E-07	2.78E-03	2.89E-02	0.00E+00	0.00E+00	6.25E-12	1.46E-10	8.78E-04	0.00E+00	0.00E+00	0.00E+00	3.38E-05	1.35E-02	5.60E+00	0.00E+00	5.62E-10	5.90E-08	7.71E-03	9.37E-06	7.02E-03	0.00E+00	5.60E+00	1.58E-08	5.60E+00	5.75E+00	7.02E-03	0.00E+00	0.00E+00	0.00E+00	1.42E-03
HHA126Z	1.03E-02	4.39E-01	0.00E+00	4.39E-01	0.00E+00	0.00E+00	2.66E-01	1.58E-07	2.84E-03	2.94E-02	0.00E+00	0.00E+00	6.56E-12	1.47E-10	9.15E-04	0.00E+00	0.00E+00	0.00E+00	3.50E-05	1.39E-02	5.70E+00	0.00E+00	5.81E-10	5.91E-08	7.88E-03	9.71E-06	7.24E-03	0.00E+00	5.70E+00	1.61E-08	5.70E+00	5.83E+00	7.24E-03	0.00E+00	0.00E+00	0.00E+00	1.47E-03
HHA127H	1.61E-03	2.45E-01	0.00E+00	2.45E-01	0.00E+00	0.00E+00	1.62E-01	9.28E-08	7.59E-04	8.27E-03	0.00E+00	0.00E+00	4.40E-12	8.48E-11	6.06E-04	0.00E+00	0.00E+00	0.00E+00	2.21E-05	8.69E-03	3.47E+00	0.00E+00	3.83E-10	1.31E-08	2.10E-03	6.21E-06	4.67E-03	0.00E+00	3.47E+00	9.76E-09	3.47E+00	3.45E+00	4.67E-03	0.00E+00	0.00E+00	0.00E+00	9.45E-04
HHA160H	1.19E-03	1.88E-01	0.00E+00	1.88E-01	0.00E+00	0.00E+00	1.23E-01	7.07E-08	5.60E-04	6.14E-03	0.00E+00	0.00E+00	3.31E-12	6.41E-11	4.59E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-05	6.62E-03	2.63E+00	0.00E+00	2.89E-10	9.71E-09	1.55E-03	4.71E-06	3.51E-03	0.00E+00	2.63E+00	7.42E-09	2.63E+00	2.63E+00	3.51E-03	0.00E+00	0.00E+00	0.00E+00	7.16E-04
HHA160U	1.06E-02	3.04E-01	0.00E+00	3.04E-01	0.00E+00	0.00E+00	1.82E-01	1.05E-07	2.49E-03	2.73E-02	0.00E+00	0.00E+00	4.52E-12	1.01E-10	6.28E-04	0.00E+00	0.00E+00	0.00E+00	2.33E-05	9.27E-03	3.84E+00	0.00E+00	3.95E-10	5.56E-08	7.03E-03	6.44E-06	4.92E-03	0.00E+00	3.84E+00	1.09E-08	3.84E+00	3.85E+00	4.92E-03	0.00E+00	0.00E+00	0.00E+00	9.99E-04
HHA160Z	9.62E-03	2.86E-01	0.00E+00	2.86E-01	0.00E+00	0.00E+00	1.69E-01	1.02E-07	2.44E-03	2.61E-02	0.00E+00	0.00E+00	4.42E-12	9.68E-11	6.22E-04	0.00E+00	0.00E+00	0.00E+00	2.32E-05	9.24E-03	3.58E+00	0.00E+00	3.88E-10	5.07E-08	6.12E-03	6.35E-06	4.70E-03	0.00E+00	3.58E+00	1.01E-08	3.58E+00	3.80E+00	4.70E-03	0.00E+00	0.00E+00	0.00E+00	9.62E-04
HHA161H	1.37E-03	2.15E-01	0.00E+00	2.15E-01	0.00E+00	0.00E+00	1.41E-01	8.09E-08	6.41E-04	7.03E-03	0.00E+00	0.00E+00	3.79E-12	7.34E-11	5.26E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.57E-03	3.01E+00	0.00E+00	3.31E-10	1.11E-08	1.77E-03	5.39E-06	4.02E-03	0.00E+00	3.01E+00	8.49E-09	3.01E+00	3.01E+00	4.02E-03	0.00E+00	0.00E+00	0.00E+00	8.19E-04
HHA161U	1.03E-02	4.29E-01	0.00E+00	4.29E-01	0.00E+00	0.00E+00	2.60E-01	1.56E-07	2.81E-03	2.92E-02	0.00E+00	0.00E+00	6.23E-12	1.46E-10	8.74E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-05	1.34E-02	5.57E+00	0.00E+00	5.58E-10	5.88E-08	7.83E-03	9.36E-06	6.97E-03	0.00E+00	5.57E+00	1.57E-08	5.57E+00	5.74E+00	6.97E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-03
HHA161Z	1.03E-02	4.38E-01	0.00E+00	4.38E-01	0.00E+00	0.00E+00	2.64E-01	1.57E-07	2.83E-03	2.94E-02	0.00E+00	0.00E+00	6.47E-12	1.47E-10	9.03E-04	0.00E+00	0.00E+00	0.00E+00	3.45E-05	1.37E-02	5.64E+00	0.00E+00	5.72E-10	5.89E-08	7.89E-03	9.60E-06	7.13E-03	0.00E+00	5.64E+00	1.59E-08	5.64E+00	5.79E+00	7.13E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-03
HHA162H	1.62E-03	2.49E-01	0.00E+00	2.49E-01	0.00E+00	0.00E+00	1.64E-01	9.35E-08	7.67E-04	8.39E-03	0.00E+00	0.00E+00	4.42E-12	8.51E-11	6.12E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-05	8.79E-03	3.49E+00	0.00E+00	3.84E-10	1.32E-08	2.14E-03	6.27E-06	4.69E-03	0.00E+00	3.49E+00	9.85E-09	3.49E+00	3.49E+00	4.69E-03	0.00E+00	0.00E+00	0.00E+00	9.52E-04
HHB100U	1.89E-03	3.37E-01	0.00E+00	3.37E-01	0.00E+00	0.00E+00	2.21E-01	1.23E-07	8.34E-04	9.30E-03	0.00E+00	0.00E+00	6.31E-12	1.19E-10	8.45E-04	0.00E+00	0.00E+00	0.00E+00	3.04E-05	1.30E-02	4.51E+00	0.00E+00	5.77E-10	1.43E-08	2.30E-03	7.50E-06	6.60E-03	0.00E+00	4.51E+00	1.39E-08	4.51E+00	4.26E+00	6.60E-03	0.00E+00	0.00E+00	0.00E+00	1.49E-03
HHB100Z	1.86E-03	3.29E-01	0.00E+00	3.29E-01	0.00E+00	0.00E+00	2.16E-01	1.22E-07	8.30E-04	9.26E-03	0.00E+00	0.00E+00	6.10E-12	1.18E-10	8.21E-04	0.00E+00	0.00E+00	0.00E+00	2.96E-05	1.24E-02	4.41E+00	0.00E+00	5.65E-10	1.42E-08	2.29E-03	7.46E-06	6.49E-03	0.00E+00	4.41E+00	1.35E-08	4.41E+00	4.24E+00	6.49E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-03
HHB101Z	2.21E-03	3.55E-01	0.00E+00	3.55E-01	0.00E+00	0.00E+00	2.33E-01	1.34E-07	9.82E-04	1.06E-02	0.00E+00	0.00E+00	6.18E-12	1.21E-10	8.60E-04	0.00E+00	0.00E+00	0.00E+00	3.13E-05	1.24E-02	5.02E+00	0.00E+00	5.44E-10	1.69E-08	2.71E-03	8.82E-06	6.57E-03	0.00E+00	5.02E+00	1.41E-08	5.02E+00	4.92E+00	6.57E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-03
HHB125U	1.89E-03	3.36E-01	0.00E+00	3.36E-01	0.00E+00	0.00E+00	2.21E-01	1.23E-07	8.34E-04	9.30E-03	0.00E+00	0.00E+00	6.29E-12	1.19E-10	8.40E-04	0.00E+00	0.00E+00	0.00E+00	3.03E-05	1.29E-02	4.51E+00	0.00E+00	5.76E-10	1.43E-08	2.30E-03	7.50E-06	6.58E-03	0.00E+00	4.51E+00	1.38E-08	4.51E+00	4.24E+00	6.58E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-03
HHB125Z	1.86E-03	3.29E-01	0.00E+00	3.29E-01	0.00E+00	0.00E+00	2.16E-01	1.22E-07	8.30E-04	9.26E-03	0.00E+00	0.00E+00	6.10E-12	1.18E-10	8.21E-04	0.00E+00	0.00E+00	0.00E+00	2.96E-05	1.24E-02	4.41E+00	0.00E+00	5.65E-10	1.42E-08	2.29E-03	7.46E-06	6.49E-03	0.00E+00	4.41E+00	1.35E-08	4.41E+00	4.24E+00	6.49E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-03
HHB126Z	2.36E-03	4.07E-01	0.00E+00	4.07E-01	0.00E+00	0.00E+00	2.68E-01	1.50E-07	1.06E-03	1.17E-02	0.00E+00	0.00E+00	7.51E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.66E-05	1.53E-02	5.54E+00	0.00E+00	6.81E-10	1.84E-08	2.94E-03	9.36E-06	7.86E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.29E+00	7.86E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HHB160U	1.89E-03	3.37E-01	0.00E+00	3.37E-01	0.00E+00	0.00E+00	2.21E-01	1.24E-07	8.34E-04	9.30E-03	0.00E+00	0.00E+00	6.31E-12	1.19E-10	8.46E-04	0.00E+00	0.00E+00	0.00E+00	3.04E-05	1.30E-02	4.51E+00	0.00E+00	5.77E-10	1.43E-08	2.30E-03	7.50E-06	6.60E-03	0.00E+00	4.51E+00	1.39E-08	4.51E+00	4.26E+00	6.60E-03	0.00E+00	0.00E+00	0.00E+00	1.49E-03
HHB160Z	1.86E-03	3.29E-01	0.00E+00	3.29E-01	0.00E+00	0.00E+00	2.16E-01	1.22E-07	8.30E-04	9.26E-03	0.00E+00	0.00E+00	6.10E-12	1.18E-10	8.21E-04	0.00E+00	0.00E+00	0.00E+00	2.96E-05	1.24E-02	4.40E+00	0.00E+00	5.65E-10	1.42E-08	2.29E-03	7.46E-06	6.49E-03	0.00E+00	4.40E+00	1.35E-08	4.40E+00	4.24E+00	6.49E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-03
HHB161Z	2.36E-03	4.07E-01	0.00E+00	4.07E-01	0.00E+00	0.00E+00	2.68E-01	1.50E-07	1.06E-03	1.17E-02	0.00E+00	0.00E+00	7.51E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.66E-05	1.53E-02	5.53E+00	0.00E+00	6.81E-10	1.84E-08	2.94E-03	9.36E-06	7.85E-03	0.00E+00	5.53E+00	1.67E-08	5.53E+00	5.29E+00	7.85E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-03
HHB200L	1.85E-03	2.53E-01	0.00E+00	2.53E-01	0.00E+00	0.00E+00	1.70E-01	9.60E-08	8.06E-04	8.80E-03	0.00E+00	0.00E+00	4.62E-12	8.90E-11	6.38E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-05	9.15E-03	3.58E+00	0.00E+00	4.04E-10	1.38E-08	2.22E-03	6.51E-06	4.91E-03	0.00E+00	3.58E+00	1.01E-08	3.58E+00	3.49E+00	4.91E-03	0.00E+00	0.00E+00	0.00E+00	9.83E-04
HHB200U	1.89E-03	3.36E-01	0.00E+00	3.36E-01	0.00E+00	0.00E+00	2.21E-01	1.23E-07	8.34E-04	9.30E-03	0.00E+00	0.00E+00	6.29E-12	1.19E-10	8.40E-04	0.00E+00	0.00E+00	0.00E+00	3.03E-05	1.29E-02	4.51E+00	0.00E+00	5.77E-10	1.43E-08	2.30E-03	7.50E-06	6.58E-03	0.00E+00	4.51E+00	1.38E-08	4.51E+00	4.24E+00	6.58E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-03
HHB200Z	1.88E-03	3.35E-01	0.00E+00	3.35E-01	0.00E+00	0.00E+00	2.19E-01	1.23E-07	8.29E-04	9.23E-03	0.00E+00	0.00E+00	6.26E-12	1.18E-10	8.35E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-05	1.28E-02	4.47E+00	0.00E+00	5.73E-10	1.42E-08	2.28E-03	7.44E-06	6.53E-03	0.00E+00	4.47E+00	1.37E-08	4.47E+00	4.21E+00	6.53E-03	0.00E+00	0.00E+00	0.00E+00	1.47E-03
HHB201L	2.25E-03	3.55E-01	0.00E+00	3.55E-01	0.00E+00	0.00E+00	2.33E-01	1.33E-07	1.05E-03	1.16E-02	0.00E+00	0.00E+00	6.24E-12	1.21E-10	8.65E-04	0.00E+00	0.00E+00	0.00E+00	3.14E-05	1.25E-02	4.96E+00	0.00E+00	5.45E-10	1.83E-08	2.92E-03	8.88E-06	6.61E-03	0.00E+00	4.96E+00	1.40E-08	4.96E+00	4.96E+00	6.61E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03
HHB201Z	2.36E-03	4.07E-01	0.00E+00	4.07E-01	0.00E+00	0.00E+00	2.68E-01	1.50E-07	1.06E-03	1.17E-02	0.00E+00	0.00E+00	7.51E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.66E-05	1.53E-02	5.54E+00	0.00E+00	6.81E-10	1.84E-08	2.94E-03	9.35E-06	7.85E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.29E+00	7.85E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-03
HHB250L	1.85E-03	2.53E-01	0.00E+00	2.53E-01	0.00E+00	0.00E+00	1.70E-01	9.56E-08	8.07E-04	8.81E-03	0.00E+00	0.00E+00	4.62E-12	8.90E-11	6.38E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-05	9.15E-03	3.59E+00	0.00E+00	4.04E-10	1.38E-08	2.22E-03	6.53E-06	4.90E-03	0.00E+00	3.59E+00	1.01E-08	3.59E+00	3.51E+00	4.90E-03	0.00E+00	0.00E+00	0.00E+00	9.82E-04
HHB250U	1.89E-03	3.35E-01	0.00E+00	3.35E-01	0.00E+00	0.00E+00	2.20E-01	1.22E-07	8.33E-04	9.29E-03	0.00E+00	0.00E+00	6.28E-12	1.18E-10	8.38E-04	0.00E+00	0.00E+00	0.00E+00	3.02E-05	1.29E-02	4.49E+00	0.00E+00	5.75E-10	1.43E-08	2.29E-03	7.50E-06	6.55E-03	0.00E+00	4.49E+00	1.38E-08	4.49E+00	4.23E+00	6.55E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-03
HHB250Z	1.88E-03	3.35E-01	0.00E+00	3.35E-01	0.00E+00	0.00E+00	2.19E-01	1.22E-07	8.30E-04	9.25E-03	0.00E+00	0.00E+00	6.26E-12	1.19E-10	8.35E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-05	1.28E-02	4.48E+00	0.00E+00	5.74E-10	1.42E-08	2.29E-03	7.46E-06	6.53E-03	0.00E+00	4.48E+00	1.37E-08	4.48E+00	4.22E+00	6.53E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-03
HHB251L	2.25E-03	3.55E-01	0.00E+00	3.55E-01	0.00E+00	0.00E+00	2.33E-01	1.33E-07	1.05E-03	1.16E-02	0.00E+00	0.00E+00	6.24E-12	1.21E-10	8.65E-04	0.00E+00	0.00E+00	0.00E+00	3.14E-05	1.25E-02	4.96E+00	0.00E+00	5.45E-10	1.83E-08	2.92E-03	8.88E-06	6.61E-03	0.00E+00	4.96E+00	1.40E-08	4.96E+00	4.96E+00	6.61E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03
HHB251Z	2.36E-03	4.07E-01	0.00E+00	4.07E-01	0.00E+00	0.00E+00	2.68E-01	1.50E-07	1.06E-03	1.18E-02	0.00E+00	0.00E+00	7.51E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.66E-05	1.53E-02	5.54E+00	0.00E+00	6.81E-10	1.84E-08	2.94E-03	9.37E-06	7.86E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.30E+00	7.86E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HHJ250DR	6.68E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.18E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.43E-08	8.84E-03	2.60E-05	1.95E-02	0.00E+00	1.46E+01	4.14E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
HHJ251DR	7.95E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.19E-01	4.68E-07	3.69E-03	4.06E-02	0.00E+00	0.00E+00	2.19E-11	4.26E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.75E+01	0.00E+00	1.91E-09	6.46E-08	1.03E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.94E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
HHJ320DR	6.68E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.18E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.43E-08	8.84E-03	2.60E-05	1.95E-02	0.00E+00	1.46E+01	4.14E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
HHJ321DR	7.94E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.69E-03	4.06E-02	0.00E+00	0.00E+00	2.19E-11	4.26E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.75E+01	0.00E+00	1.91E-09	6.45E-08	1.03E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.93E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
HHJ400DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.84E-01	3.91E-07	3.14E-03	3.45E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.23E-05	3.67E-02	1.46E+01	0.00E+00	1.60E-09	5.44E-08	8.80E-03	2.61E-05	1.95E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
HHJ401DR	8.01E-03	1.26E+00	0.00E+00	1.26E+00	0.00E+00	0.00E+00	8.28E-01	4.74E-07	3.75E-03	4.12E-02	0.00E+00	0.00E+00	2.22E-11	4.30E-10	3.08E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-04	4.44E-02	1.76E+01	0.00E+00	1.94E-09	6.51E-08	1.04E-02	3.16E-05	2.35E-02	0.00E+00	1.76E+01	4.98E-08	1.76E+01	1.77E+01	2.35E-02	0.00E+00	0.00E+00	0.00E+00	4.80E-03
HHJ631DE	8.01E-03	1.26E+00	0.00E+00	1.26E+00	0.00E+00	0.00E+00	8.28E-01	4.74E-07	3.75E-03	4.12E-02	0.00E+00	0.00E+00	2.22E-11	4.30E-10	3.08E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-04	4.44E-02	1.76E+01	0.00E+00	1.94E-09	6.51E-08	1.04E-02	3.16E-05	2.35E-02	0.00E+00	1.76E+01	4.98E-08	1.76E+01	1.77E+01	2.35E-02	0.00E+00	0.00E+00	0.00E+00	4.80E-03
HHM100ER	2.84E-03	4.57E-01	0.00E+00	4.57E-01	0.00E+00	0.00E+00	2.99E-01	1.74E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.11E-12	1.58E-10	1.09E-03	0.00E+00	0.00E+00	0.00E+00	4.09E-05	1.66E-02	6.27E+00	0.00E+00	7.28E-10	2.39E-08	4.35E-03	1.04E-05	8.70E-03	0.00E+00	6.27E+00	1.83E-08	6.27E+00	6.08E+00	8.70E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-03
HHM101ER	2.79E-03	4.54E-01	0.00E+00	4.54E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.58E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	1.72E-02	6.33E+00	0.00E+00	7.41E-10	2.10E-08	3.56E-03	1.04E-05	8.78E-03	0.00E+00	6.33E+00	1.87E-08	6.33E+00	6.11E+00	8.78E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-03
HHM103ER	2.79E-03	4.54E-01	0.00E+00	4.54E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.58E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	1.72E-02	6.33E+00	0.00E+00	7.41E-10	2.10E-08	3.56E-03	1.04E-05	8.78E-03	0.00E+00	6.33E+00	1.87E-08	6.33E+00	6.11E+00	8.78E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-03
HHM125ER	2.84E-03	4.57E-01	0.00E+00	4.57E-01	0.00E+00	0.00E+00	2.99E-01	1.74E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.11E-12	1.58E-10	1.09E-03	0.00E+00	0.00E+00	0.00E+00	4.09E-05	1.66E-02	6.27E+00	0.00E+00	7.28E-10	2.39E-08	4.35E-03	1.04E-05	8.70E-03	0.00E+00	6.27E+00	1.83E-08	6.27E+00	6.08E+00	8.70E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-03
HHM126ER	2.79E-03	4.54E-01	0.00E+00	4.54E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.58E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	1.72E-02	6.33E+00	0.00E+00	7.41E-10	2.10E-08	3.56E-03	1.04E-05	8.78E-03	0.00E+00	6.33E+00	1.87E-08	6.33E+00	6.11E+00	8.78E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-03
HHM128ER	2.79E-03	4.54E-01	0.00E+00	4.54E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.58E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	1.72E-02	6.33E+00	0.00E+00	7.41E-10	2.10E-08	3.56E-03	1.04E-05	8.78E-03	0.00E+00	6.33E+00	1.87E-08	6.33E+00	6.11E+00	8.78E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-03
HHM150ER	2.86E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.02E-01	1.75E-07	1.31E-03	1.38E-02	0.00E+00	0.00E+00	8.17E-12	1.60E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.69E-02	6.32E+00	0.00E+00	7.40E-10	2.39E-08	4.36E-03	1.06E-05	8.82E-03	0.00E+00	6.32E+00	1.85E-08	6.32E+00	6.13E+00	8.82E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-03
HHM151ER	2.80E-03	4.56E-01	0.00E+00	4.56E-01	0.00E+00	0.00E+00	3.06E-01	1.76E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.39E-12	1.60E-10	1.15E-03	0.00E+00	0.00E+00	0.00E+00	4.23E-05	1.74E-02	6.38E+00	0.00E+00	7.53E-10	2.13E-08	3.58E-03	1.07E-05	8.90E-03	0.00E+00	6.38E+00	1.88E-08	6.38E+00	6.16E+00	8.90E-03	0.00E+00	0.00E+00	0.00E+00	1.97E-03
HHM153ER	2.79E-03	4.54E-01	0.00E+00	4.54E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.58E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	1.72E-02	6.33E+00	0.00E+00	7.41E-10	2.10E-08	3.56E-03	1.04E-05	8.78E-03	0.00E+00	6.33E+00	1.87E-08	6.33E+00	6.11E+00	8.78E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-03
HHM160ER	2.84E-03	4.55E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	2.94E-01	1.71E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.01E-12	1.56E-10	1.08E-03	0.00E+00	0.00E+00	0.00E+00	4.02E-05	1.63E-02	6.15E+00	0.00E+00	7.20E-10	2.39E-08	4.35E-03	1.02E-05	8.54E-03	0.00E+00	6.15E+00	1.79E-08	6.15E+00	5.95E+00	8.54E-03	0.00E+00	0.00E+00	0.00E+00	1.86E-03
HHM161ER	2.79E-03	4.52E-01	0.00E+00	4.52E-01	0.00E+00	0.00E+00	2.98E-01	1.72E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.57E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	1.69E-02	6.21E+00	0.00E+00	7.33E-10	2.10E-08	3.56E-03	1.03E-05	8.63E-03	0.00E+00	6.21E+00	1.83E-08	6.21E+00	5.97E+00	8.63E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HHM163ER	2.79E-03	4.52E-01	0.00E+00	4.52E-01	0.00E+00	0.00E+00	2.98E-01	1.72E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.57E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	1.69E-02	6.21E+00	0.00E+00	7.33E-10	2.10E-08	3.56E-03	1.03E-05	8.63E-03	0.00E+00	6.21E+00	1.83E-08	6.21E+00	5.97E+00	8.63E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HHM200ER	2.84E-03	4.55E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	2.94E-01	1.71E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.01E-12	1.56E-10	1.08E-03	0.00E+00	0.00E+00	0.00E+00	4.01E-05	1.63E-02	6.15E+00	0.00E+00	7.20E-10	2.39E-08	4.35E-03	1.02E-05	8.53E-03	0.00E+00	6.15E+00	1.79E-08	6.15E+00	5.95E+00	8.53E-03	0.00E+00	0.00E+00	0.00E+00	1.85E-03

HHM201ER	2.79E-03	4.52E-01	0.00E+00	4.52E-01	0.00E+00	0.00E+00	2.98E-01	1.72E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.57E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	1.69E-02	6.21E+00	0.00E+00	7.33E-10	2.10E-08	3.56E-03	1.03E-05	8.62E-03	0.00E+00	6.21E+00	1.83E-08	6.21E+00	5.97E+00	8.62E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HHM203ER	2.79E-03	4.52E-01	0.00E+00	4.52E-01	0.00E+00	0.00E+00	2.98E-01	1.72E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.57E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	1.69E-02	6.21E+00	0.00E+00	7.33E-10	2.10E-08	3.56E-03	1.03E-05	8.62E-03	0.00E+00	6.21E+00	1.83E-08	6.21E+00	5.97E+00	8.62E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HHM250ER	2.85E-03	4.56E-01	0.00E+00	4.56E-01	0.00E+00	0.00E+00	2.93E-01	1.70E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.00E-12	1.56E-10	1.07E-03	0.00E+00	0.00E+00	0.00E+00	3.99E-05	1.62E-02	6.11E+00	0.00E+00	7.18E-10	2.38E-08	4.35E-03	1.02E-05	8.48E-03	0.00E+00	6.11E+00	1.78E-08	6.11E+00	5.92E+00	8.48E-03	0.00E+00	0.00E+00	0.00E+00	1.84E-03
HHM251ER	2.80E-03	4.54E-01	0.00E+00	4.54E-01	0.00E+00	0.00E+00	2.97E-01	1.71E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.23E-12	1.57E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.08E-05	1.68E-02	6.17E+00	0.00E+00	7.31E-10	2.12E-08	3.60E-03	1.02E-05	8.58E-03	0.00E+00	6.17E+00	1.82E-08	6.17E+00	5.96E+00	8.58E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-03
HHM253ER	2.80E-03	4.54E-01	0.00E+00	4.54E-01	0.00E+00	0.00E+00	2.97E-01	1.71E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.23E-12	1.57E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.08E-05	1.68E-02	6.17E+00	0.00E+00	7.31E-10	2.12E-08	3.60E-03	1.02E-05	8.58E-03	0.00E+00	6.17E+00	1.82E-08	6.17E+00	5.96E+00	8.58E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-03
HHS014EC	5.30E-04	1.08E-01	0.00E+00	1.08E-01	0.00E+00	0.00E+00	6.44E-02	4.02E-08	2.43E-04	2.64E-03	0.00E+00	0.00E+00	1.50E-12	3.15E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.50E-06	3.41E-03	1.41E+00	0.00E+00	1.35E-10	4.13E-09	6.59E-04	2.19E-06	1.77E-03	0.00E+00	1.41E+00	3.80E-09	1.41E+00	1.27E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	3.44E-04
HHS018EC	5.30E-04	1.08E-01	0.00E+00	1.08E-01	0.00E+00	0.00E+00	6.44E-02	4.02E-08	2.43E-04	2.64E-03	0.00E+00	0.00E+00	1.50E-12	3.15E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.50E-06	3.41E-03	1.41E+00	0.00E+00	1.35E-10	4.13E-09	6.59E-04	2.19E-06	1.77E-03	0.00E+00	1.41E+00	3.80E-09	1.41E+00	1.27E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	3.44E-04
HHS023EC	5.30E-04	1.17E-01	0.00E+00	1.17E-01	0.00E+00	0.00E+00	6.95E-02	4.37E-08	2.43E-04	2.64E-03	0.00E+00	0.00E+00	1.66E-12	3.43E-11	2.41E-04	0.00E+00	0.00E+00	0.00E+00	9.75E-06	3.63E-03	1.52E+00	0.00E+00	1.48E-10	4.13E-09	6.59E-04	2.46E-06	1.90E-03	0.00E+00	1.52E+00	4.16E-09	1.52E+00	1.41E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00	3.73E-04
HHS025BC	2.27E-03	2.24E-01	0.00E+00	2.24E-01	0.00E+00	0.00E+00	1.33E-01	8.12E-08	6.53E-04	7.51E-03	0.00E+00	0.00E+00	3.24E-12	7.49E-11	4.65E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-05	7.21E-03	2.81E+00	0.00E+00	2.84E-10	1.55E-08	2.08E-03	4.40E-06	3.67E-03	0.00E+00	2.81E+00	8.37E-09	2.81E+00	2.82E+00	3.67E-03	0.00E+00	0.00E+00	0.00E+00	7.50E-04
HHS025DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.35E-08	6.72E-04	7.71E-03	0.00E+00	0.00E+00	3.33E-12	7.62E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.41E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.59E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HHS025DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.05E-03	3.42E-02	0.00E+00	0.00E+00	4.09E-12	8.69E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.55E-03	3.34E+00	0.00E+00	3.44E-10	6.81E-08	8.36E-03	5.98E-06	4.14E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.16E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	9.11E-04
HHS026BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS026DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS026DR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.87E-08	8.54E-03	7.34E-06	5.03E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HHS030EC	5.31E-04	1.08E-01	0.00E+00	1.08E-01	0.00E+00	0.00E+00	6.44E-02	4.02E-08	2.43E-04	2.64E-03	0.00E+00	0.00E+00	1.50E-12	3.15E-11	2.22E-04	0.00E+00	0.00E+00	0.00E+00	8.50E-06	3.42E-03	1.41E+00	0.00E+00	1.35E-10	4.14E-09	6.60E-04	2.19E-06	1.77E-03	0.00E+00	1.41E+00	3.80E-09	1.41E+00	1.27E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	3.45E-04
HHS038EC	5.33E-04	1.04E-01	0.00E+00	1.04E-01	0.00E+00	0.00E+00	6.14E-02	3.90E-08	2.44E-04	2.65E-03	0.00E+00	0.00E+00	1.48E-12	3.00E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.37E-06	3.38E-03	1.37E+00	0.00E+00	1.34E-10	4.15E-09	6.62E-04	2.16E-06	1.75E-03	0.00E+00	1.37E+00	3.70E-09	1.37E+00	1.24E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	3.43E-04
HHS040BC	2.28E-03	2.28E-01	0.00E+00	2.28E-01	0.00E+00	0.00E+00	1.34E-01	8.16E-08	6.58E-04	7.56E-03	0.00E+00	0.00E+00	3.26E-12	7.52E-11	4.70E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-05	7.25E-03	2.83E+00	0.00E+00	2.85E-10	1.56E-08	2.08E-03	4.47E-06	3.68E-03	0.00E+00	2.83E+00	8.40E-09	2.83E+00	2.85E+00	3.68E-03	0.00E+00	0.00E+00	0.00E+00	7.56E-04
HHS040DC	2.30E-03	2.30E-01	0.00E+00	2.30E-01	0.00E+00	0.00E+00	1.35E-01	8.25E-08	6.62E-04	7.61E-03	0.00E+00	0.00E+00	3.30E-12	7.57E-11	4.75E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-05	7.32E-03	2.87E+00	0.00E+00	2.89E-10	1.56E-08	2.08E-03	4.53E-06	3.71E-03	0.00E+00	2.87E+00	8.47E-09	2.87E+00	2.88E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	7.65E-04
HHS040DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.05E-03	3.42E-02	0.00E+00	0.00E+00	4.09E-12	8.69E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.55E-03	3.34E+00	0.00E+00	3.44E-10	6.81E-08	8.36E-03	5.98E-06	4.14E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.15E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	9.11E-04
HHS041BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS041DC	2.84E-03	2.63E-01	0.00E+00	2.63E-01	0.00E+00	0.00E+00	1.57E-01	9.42E-08	9.50E-04	1.09E-02	0.00E+00	0.00E+00	4.32E-12	8.58E-11	5.97E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	8.77E-03	3.35E+00	0.00E+00	3.68E-10	2.04E-08	2.95E-03	5.86E-06	4.51E-03	0.00E+00	3.35E+00	9.71E-09	3.35E+00	3.38E+00	4.51E-03	0.00E+00	0.00E+00	0.00E+00	9.32E-04
HHS041DR	1.24E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.13E-03	3.51E-02	0.00E+00	0.00E+00	4.90E-12	9.73E-11	6.66E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.86E-03	3.84E+00	0.00E+00	4.20E-10	6.91E-08	8.60E-03	7.16E-06	4.86E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.65E+00	4.86E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HHS048EC	5.33E-04	1.04E-01	0.00E+00	1.04E-01	0.00E+00	0.00E+00	6.14E-02	3.90E-08	2.44E-04	2.65E-03	0.00E+00	0.00E+00	1.48E-12	3.00E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.37E-06	3.38E-03	1.37E+00	0.00E+00	1.34E-10	4.15E-09	6.62E-04	2.16E-06	1.75E-03	0.00E+00	1.37E+00	3.70E-09	1.37E+00	1.24E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	3.43E-04
HHS050BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HHS051BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS061EC	5.32E-04	1.04E-01	0.00E+00	1.04E-01	0.00E+00	0.00E+00	6.14E-02	3.89E-08	2.44E-04	2.65E-03	0.00E+00	0.00E+00	1.48E-12	3.00E-11	2.21E-04	0.00E+00	0.00E+00	0.00E+00	8.36E-06	3.38E-03	1.37E+00	0.00E+00	1.34E-10	4.15E-09	6.61E-04	2.16E-06	1.75E-03	0.00E+00	1.37E+00	3.70E-09	1.37E+00	1.24E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	3.43E-04
HHS063BC	2.32E-03	2.33E-01	0.00E+00	2.33E-01	0.00E+00	0.00E+00	1.37E-01	8.36E-08	6.72E-04	7.71E-03	0.00E+00	0.00E+00	3.34E-12	7.63E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.41E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.94E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HHS063DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.78E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.54E-09	2.91E+00	2.92E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HHS063DR	1.23E-02	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.04E-03	3.41E-02	0.00E+00	0.00E+00	4.09E-12	8.69E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.56E-03	3.34E+00	0.00E+00	3.44E-10	6.82E-08	8.37E-03	5.99E-06	4.15E-03	0.00E+00	3.34E+00	9.66E-09	3.34E+00	3.15E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	9.10E-04
HHS064BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS064DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS064DR	1.25E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	4.91E-12	9.75E-11	6.68E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.89E-03	3.84E+00	0.00E+00	4.20E-10	6.92E-08	8.60E-03	7.17E-06	4.88E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HHS078EC	5.38E-04	1.13E-01	0.00E+00	1.13E-01	0.00E+00	0.00E+00	6.66E-02	4.24E-08	2.47E-04	2.67E-03	0.00E+00	0.00E+00	1.65E-12	3.27E-11	2.40E-04	0.00E+00	0.00E+00	0.00E+00	9.62E-06	3.60E-03	1.48E+00	0.00E+00	1.47E-10	4.31E-09	6.87E-04	2.40E-06	1.88E-03	0.00E+00	1.48E+00	4.06E-09	1.48E+00	1.39E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	3.71E-04
HHS080BC	2.32E-03	2.33E-01	0.00E+00	2.33E-01	0.00E+00	0.00E+00	1.37E-01	8.36E-08	6.72E-04	7.71E-03	0.00E+00	0.00E+00	3.34E-12	7.63E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.41E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.59E-09	2.91E+00	2.94E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HHS080DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.34E-08	6.72E-04	7.78E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HHS080DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.04E-03	3.41E-02	0.00E+00	0.00E+00	4.09E-12	8.70E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.56E-03	3.34E+00	0.00E+00	3.44E-10	6.82E-08	8.37E-03	5.99E-06	4.15E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.16E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	9.13E-04
HHS081BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS081DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS081DR	1.25E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	4.91E-12	9.75E-11	6.68E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.89E-03	3.84E+00	0.00E+00	4.20E-10	6.92E-08	8.60E-03	7.17E-06	4.88E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HHS098EC	5.62E-04	1.08E-01	0.00E+00	1.08E-01	0.00E+00	0.00E+00	6.58E-02	4.05E-08	2.59E-04	2.75E-03	0.00E+00	0.00E+00	1.56E-12	3.16E-11	2.35E-04	0.00E+00	0.00E+00	0.00E+00	8.89E-06	3.55E-03	1.47E+00	0.00E+00	1.44E-10	4.31E-09	6.95E-04	2.23E-06	1.86E-03	0.00E+00	1.47E+00	3.95E-09	1.47E+00	1.35E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	3.60E-04
HHS100BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HHS100DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.34E-08	6.72E-04	7.78E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HHS100DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.57E-01	9.20E-08	3.04E-03	3.41E-02	0.00E+00	0.00E+00	4.10E-12	8.70E-11	5.59E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.58E-03	3.35E+00	0.00E+00	3.45E-10	6.82E-08	8.37E-03	5.99E-06	4.16E-03	0.00E+00	3.35E+00	9.69E-09	3.35E+00	3.17E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.14E-04
HHS101BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS101DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS101DR	1.25E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	4.91E-12	9.75E-11	6.68E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.89E-03	3.84E+00	0.00E+00	4.20E-10	6.92E-08	8.60E-03	7.17E-06	4.88E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HHS102DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS123EC	5.70E-04	1.17E-01	0.00E+00	1.17E-01	0.00E+00	0.00E+00	7.07E-02	4.27E-08	2.63E-04	2.77E-03	0.00E+00	0.00E+00	1.65E-12	3.40E-11	2.46E-04	0.00E+00	0.00E+00	0.00E+00	9.39E-06	3.70E-03	1.53E+00	0.00E+00	1.51E-10	4.26E-09	6.97E-04	2.42E-06	1.96E-03	0.00E+00	1.53E+00	4.21E-09	1.53E+00	1.40E+00	1.96E-03	0.00E+00	0.00E+00	0.00E+00	3.75E-04
HHS125BC	2.31E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.68E-04	7.64E-03	0.00E+00	0.00E+00	3.33E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.39E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.11E-03	4.57E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HHS125DC	2.31E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.34E-08	6.69E-04	7.67E-03	0.00E+00	0.00E+00	3.33E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.39E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.11E-03	4.57E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HHS125DR	1.22E-02	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.57E-01	9.21E-08	3.00E-03	3.37E-02	0.00E+00	0.00E+00	4.10E-12	8.68E-11	5.58E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.57E-03	3.35E+00	0.00E+00	3.45E-10	6.78E-08	8.30E-03	5.99E-06	4.15E-03	0.00E+00	3.35E+00	9.68E-09	3.35E+00	3.17E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	9.15E-04
HHS126BC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS126DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS126DR	1.24E-02	2.94E-01	0.00E+00	2.94E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.08E-03	3.45E-02	0.00E+00	0.00E+00	4.90E-12	9.73E-11	6.67E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.88E-03	3.84E+00	0.00E+00	4.20E-10	6.88E-08	8.52E-03	7.17E-06	4.87E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.65E+00	4.87E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HHS127DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HHS160BC	2.31E-03	2.31E-01	0.00E+00	2.31E-01	0.00E+00	0.00E+00	1.37E-01	8.32E-08	6.67E-04	7.61E-03	0.00E+00	0.00E+00	3.32E-12	7.62E-11	4.81E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	7.36E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.11E-03	4.56E-06	3.73E-03	0.00E+00	2.91E+00	8.55E-09	2.91E+00	2.94E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HHS160DC	2.31E-03	2.31E-01	0.00E+00	2.31E-01	0.00E+00	0.00E+00	1.37E-01	8.32E-08	6.67E-04	7.61E-03	0.00E+00	0.00E+00	3.32E-12	7.62E-11	4.81E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	7.36E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.11E-03	4.56E-06	3.73E-03	0.00E+00	2.91E+00	8.55E-09	2.91E+00	2.94E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HHS160DR	1.21E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.17E-08	2.98E-03	3.35E-02	0.00E+00	0.00E+00	4.07E-12	8.70E-11	5.54E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-05	8.54E-03	3.34E+00	0.00E+00	3.44E-10	6.72E-08	8.30E-03	6.00E-06	4.11E-03	0.00E+00	3.34E+00	9.65E-09	3.34E+00	3.17E+00	4.11E-03	0.00E+00	0.00E+00	0.00E+00	9.09E-04
HHS161BC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HHS161DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.85E-06	4.57E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HHS161DR	1.24E-02	2.94E-01	0.00E+00	2.94E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.07E-03	3.45E-02	0.00E+00	0.00E+00	4.89E-12	9.74E-11	6.66E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.86E-03	3.84E+00	0.00E+00	4.20E-10	6.83E-08	8.57E-03	7.20E-06	4.86E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.67E+00	4.86E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HHS162DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.58E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.36E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.36E+00	9.74E-09	3.36E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HHT050DR	2.77E-03	4.24E-01	0.00E+00	4.24E-01	0.00E+00	0.00E+00	2.76E-01	1.62E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.21E-12	1.46E-10	1.00E-03	0.00E+00	0.00E+00	0.00E+00	3.71E-05	1.49E-02	5.91E+00	0.00E+00	6.27E-10	2.40E-08	4.37E-03	1.03E-05	7.78E-03	0.00E+00	5.91E+00	1.66E-08	5.91E+00	5.84E+00	7.78E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-03
HHT051DR	2.72E-03	4.11E-01	0.00E+00	4.11E-01	0.00E+00	0.00E+00	2.73E-01	1.60E-07	1.23E-03	1.35E-02	0.00E+00	0.00E+00	7.19E-12	1.39E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.74E-05	1.48E-02	5.88E+00	0.00E+00	6.26E-10	2.16E-08	3.59E-03	1.02E-05	7.75E-03	0.00E+00	5.88E+00	1.66E-08	5.88E+00	5.85E+00	7.75E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-03
HHT063DR	2.77E-03	4.24E-01	0.00E+00	4.24E-01	0.00E+00	0.00E+00	2.76E-01	1.62E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.21E-12	1.46E-10	1.00E-03	0.00E+00	0.00E+00	0.00E+00	3.71E-05	1.49E-02	5.91E+00	0.00E+00	6.27E-10	2.40E-08	4.37E-03	1.03E-05	7.78E-03	0.00E+00	5.91E+00	1.66E-08	5.91E+00	5.84E+00	7.78E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-03
HHT064DR	2.71E-03	4.11E-01	0.00E+00	4.11E-01	0.00E+00	0.00E+00	2.73E-01	1.60E-07	1.22E-03	1.34E-02	0.00E+00	0.00E+00	7.18E-12	1.39E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.73E-05	1.48E-02	5.87E+00	0.00E+00	6.24E-10	2.14E-08	3.56E-03	1.02E-05	7.74E-03	0.00E+00	5.87E+00	1.66E-08	5.87E+00	5.85E+00	7.74E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-03
HHT100BR	2.86E-03	4.62E-01	0.00E+00	4.62E-01	0.00E+00	0.00E+00	3.02E-01	1.75E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.17E-12	1.59E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.70E-02	6.34E+00	0.00E+00	7.40E-10	2.40E-08	4.37E-03	1.06E-05	8.81E-03	0.00E+00	6.34E+00	1.86E-08	6.34E+00	6.15E+00	8.81E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-03
HHT100DR	2.77E-03	4.26E-01	0.00E+00	4.26E-01	0.00E+00	0.00E+00	2.78E-01	1.64E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.25E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	1.51E-02	5.98E+00	0.00E+00	6.35E-10	2.40E-08	4.37E-03	1.03E-05	7.82E-03	0.00E+00	5.98E+00	1.66E-08	5.98E+00	5.84E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-03
HHT101BR	2.72E-03	4.16E-01	0.00E+00	4.16E-01	0.00E+00	0.00E+00	2.78E-01	1.64E-07	1.23E-03	1.35E-02	0.00E+00	0.00E+00	7.33E-12	1.44E-10	1.03E-03	0.00E+00	0.00E+00	0.00E+00	3.79E-05	1.53E-02	5.96E+00	0.00E+00	6.38E-10	2.16E-08	3.59E-03	1.04E-05	7.87E-03	0.00E+00	5.96E+00	1.67E-08	5.96E+00	5.85E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.63E-03
HHT101DR	2.72E-03	4.14E-01	0.00E+00	4.14E-01	0.00E+00	0.00E+00	2.76E-01	1.62E-07	1.23E-03	1.35E-02	0.00E+00	0.00E+00	7.28E-12	1.44E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.74E-05	1.51E-02	5.88E+00	0.00E+00	6.30E-10	2.16E-08	3.59E-03	1.04E-05	7.82E-03	0.00E+00	5.88E+00	1.67E-08	5.88E+00	5.85E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	1.61E-03
HHT102DR	2.80E-03	4.57E-01	0.00E+00	4.57E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.32E-12	1.57E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.16E-05	1.72E-02	6.36E+00	0.00E+00	7.40E-10	2.12E-08	3.57E-03	1.04E-05	8.77E-03	0.00E+00	6.36E+00	1.88E-08	6.36E+00	6.11E+00	8.77E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-03
HHT125BR	2.86E-03	4.62E-01	0.00E+00	4.62E-01	0.00E+00	0.00E+00	3.02E-01	1.75E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.17E-12	1.59E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.70E-02	6.34E+00	0.00E+00	7.40E-10	2.40E-08	4.37E-03	1.06E-05	8.81E-03	0.00E+00	6.34E+00	1.86E-08	6.34E+00	6.15E+00	8.81E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-03
HHT125DR	2.72E-03	4.25E-01	0.00E+00	4.25E-01	0.00E+00	0.00E+00	2.73E-01	1.60E-07	1.29E-03	1.34E-02	0.00E+00	0.00E+00	7.08E-12	1.42E-10	9.91E-04	0.00E+00	0.00E+00	0.00E+00	3.69E-05	1.46E-02	5.92E+00	0.00E+00	6.20E-10	2.41E-08	4.36E-03	1.01E-05	7.67E-03	0.00E+00	5.92E+00	1.65E-08	5.92E+00	5.80E+00	7.67E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-03
HHT126BR	2.72E-03	4.16E-01	0.00E+00	4.16E-01	0.00E+00	0.00E+00	2.78E-01	1.64E-07	1.23E-03	1.35E-02	0.00E+00	0.00E+00	7.33E-12	1.44E-10	1.03E-03	0.00E+00	0.00E+00	0.00E+00	3.79E-05	1.53E-02	5.96E+00	0.00E+00	6.38E-10	2.16E-08	3.59E-03	1.04E-05	7.87E-03	0.00E+00	5.96E+00	1.67E-08	5.96E+00	5.85E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.63E-03
HHT126DR	2.71E-03	4.11E-01	0.00E+00	4.11E-01	0.00E+00	0.00E+00	2.73E-01	1.60E-07	1.22E-03	1.34E-02	0.00E+00	0.00E+00	7.18E-12	1.39E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.73E-05	1.48E-02	5.87E+00	0.00E+00	6.24E-10	2.14E-08	3.56E-03	1.02E-05	7.74E-03	0.00E+00	5.87E+00	1.66E-08	5.87E+00	5.85E+00	7.74E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-03
HHT127DR	2.80E-03	4.57E-01	0.00E+00	4.57E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.32E-12	1.57E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.16E-05	1.72E-02	6.36E+00	0.00E+00	7.40E-10	2.12E-08	3.57E-03	1.04E-05	8.77E-03	0.00E+00	6.36E+00	1.88E-08	6.36E+00	6.11E+00	8.77E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-03
HHT160BR	2.86E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	2.97E-01	1.72E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.07E-12	1.58E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.06E-05	1.67E-02	6.21E+00	0.00E+00	7.31E-10	2.40E-08	4.37E-03	1.05E-05	8.65E-03	0.00E+00	6.21E+00	1.82E-08	6.21E+00	6.02E+00	8.65E-03	0.00E+00	0.00E+00	0.00E+00	1.88E-03
HHT160DR	2.77E-03	4.23E-01	0.00E+00	4.23E-01	0.00E+00	0.00E+00	2.72E-01	1.61E-07	1.30E-03	1.35E-02	0.00E+00	0.00E+00	7.15E-12	1.44E-10	9.99E-04	0.00E+00	0.00E+00	0.00E+00	3.69E-05	1.48E-02	5.85E+00	0.00E+00	6.25E-10	2.40E-08	4.37E-03	1.02E-05	7.64E-03	0.00E+00	5.85E+00	1.62E-08	5.85E+00	5.70E+00	7.64E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-03
HHT161BR	2.72E-03	4.13E-01	0.00E+00	4.13E-01	0.00E+00	0.00E+00	2.72E-01	1.61E-07	1.23E-03	1.35E-02	0.00E+00	0.00E+00	7.23E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.72E-05	1.49E-02	5.83E+00	0.00E+00	6.28E-10	2.16E-08	3.59E-03	1.02E-05	7.70E-03	0.00E+00	5.83E+00	1.63E-08	5.83E+00	5.71E+00	7.70E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-03
HHT161DR	2.62E-03	4.10E-01	0.00E+00	4.10E-01	0.00E+00	0.00E+00	2.68E-01	1.57E-07	1.19E-03	1.31E-02	0.00E+00	0.00E+00	7.06E-12	1.38E-10	9.86E-04	0.00E+00	0.00E+00	0.00E+00	3.64E-05	1.45E-02	5.76E+00	0.00E+00	6.12E-10	2.07E-08	3.47E-03	1.00E-05	7.55E-03	0.00E+00	5.76E+00	1.62E-08	5.76E+00	5.67E+00	7.55E-03	0.00E+00	0.00E+00	0.00E+00	1.55E-03
HHT162DR	2.80E-03	4.55E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	2.98E-01	1.71E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.23E-12	1.56E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.09E-05	1.69E-02	6.24E+00	0.00E+00	7.32E-10	2.12E-08	3.57E-03	1.03E-05	8.62E-03	0.00E+00	6.24E+00	1.84E-08	6.24E+00	5.97E+00	8.62E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-03
HHT200BR	2.86E-03	4.56E-01	0.00E+00	4.56E-01	0.00E+00	0.00E+00	2.97E-01	1.73E-07	1.31E-03	1.37E-02	0.00E+00	0.00E+00	8.07E-12	1.58E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.06E-05	1.66E-02	6.19E+00	0.00E+00	7.32E-10	2.39E-08	4.36E-03	1.05E-05	8.65E-03	0.00E+00	6.19E+00	1.81E-08	6.19E+00	6.00E+00	8.65E-03	0.00E+00	0.00E+00	0.00E+00	1.88E-03
HHT200DR	2.77E-03	4.22E-01	0.00E+00	4.22E-01	0.00E+00	0.00E+00	2.72E-01	1.61E-07	1.30E-03	1.35E-02	0.00E+00	0.00E+00	7.14E-12	1.44E-10	9.99E-04	0.00E+00	0.00E+00	0.00E+00	3.69E-05	1.48E-02	5.85E+00	0.00E+00	6.25E-10	2.39E-08	4.36E-03	1.02E-05	7.64E-03	0.00E+00	5.85E+00	1.62E-08	5.85E+00	5.69E+00	7.64E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-03
HHT201BR	2.71E-03	4.09E-01	0.00E+00	4.09E-01	0.00E+00	0.00E+00	2.72E-01	1.61E-07	1.22E-03	1.34E-02	0.00E+00	0.00E+00	7.22E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.71E-05	1.48E-02	5.80E+00	0.00E+00	6.28E-10	2.14E-08	3.57E-03	1.02E-05	7.69E-03	0.00E+00	5.80E+00	1.61E-08	5.80E+00	5.70E+00	7.69E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-03
HHT201DR	2.41E-03	3.80E-01	0.00E+00	3.80E-01	0.00E+00	0.00E+00	2.49E-01	1.43E-07	1.13E-03	1.24E-02	0.00E+00	0.00E+00	6.68E-12	1.29E-10	9.26E-04	0.00E+00	0.00E+00	0.00E+00	3.36E-05	1.34E-02	5.31E+00	0.00E+00	5.83E-10	1.96E-08	3.12E-03	9.51E-06	7.08E-03	0.00E+00	5.31E+00	1.50E-08	5.31E+00	5.31E+00	7.08E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-03

HHT202DR	2.79E-03	4.53E-01	0.00E+00	4.53E-01	0.00E+00	0.00E+00	2.97E-01	1.72E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.23E-12	1.56E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.09E-05	1.69E-02	6.24E+00	0.00E+00	7.32E-10	2.11E-08	3.54E-03	1.03E-05	8.61E-03	0.00E+00	6.24E+00	1.85E-08	6.24E+00	5.96E+00	8.61E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-03
HHT250BR	2.87E-03	4.61E-01	0.00E+00	4.61E-01	0.00E+00	0.00E+00	2.96E-01	1.71E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.06E-12	1.58E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.04E-05	1.66E-02	6.17E+00	0.00E+00	7.29E-10	2.39E-08	4.37E-03	1.05E-05	8.60E-03	0.00E+00	6.17E+00	1.81E-08	6.17E+00	5.99E+00	8.60E-03	0.00E+00	0.00E+00	0.00E+00	1.87E-03
HHT250DR	2.78E-03	4.25E-01	0.00E+00	4.25E-01	0.00E+00	0.00E+00	2.71E-01	1.60E-07	1.30E-03	1.35E-02	0.00E+00	0.00E+00	7.13E-12	1.44E-10	9.94E-04	0.00E+00	0.00E+00	0.00E+00	3.66E-05	1.47E-02	5.81E+00	0.00E+00	6.23E-10	2.39E-08	4.37E-03	1.02E-05	7.59E-03	0.00E+00	5.81E+00	1.60E-08	5.81E+00	5.68E+00	7.59E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-03
HHT251BR	2.74E-03	4.16E-01	0.00E+00	4.16E-01	0.00E+00	0.00E+00	2.71E-01	1.60E-07	1.24E-03	1.36E-02	0.00E+00	0.00E+00	7.22E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.70E-05	1.48E-02	5.79E+00	0.00E+00	6.27E-10	2.18E-08	3.63E-03	1.02E-05	7.66E-03	0.00E+00	5.79E+00	1.62E-08	5.79E+00	5.69E+00	7.66E-03	0.00E+00	0.00E+00	0.00E+00	1.59E-03
HHT251DR	2.41E-03	3.80E-01	0.00E+00	3.80E-01	0.00E+00	0.00E+00	2.49E-01	1.43E-07	1.13E-03	1.24E-02	0.00E+00	0.00E+00	6.68E-12	1.29E-10	9.26E-04	0.00E+00	0.00E+00	0.00E+00	3.36E-05	1.34E-02	5.31E+00	0.00E+00	5.83E-10	1.96E-08	3.12E-03	9.51E-06	7.08E-03	0.00E+00	5.31E+00	1.50E-08	5.31E+00	5.31E+00	7.08E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-03
HHT252DR	2.81E-03	4.57E-01	0.00E+00	4.57E-01	0.00E+00	0.00E+00	2.97E-01	1.70E-07	1.22E-03	1.36E-02	0.00E+00	0.00E+00	8.22E-12	1.56E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.07E-05	1.69E-02	6.20E+00	0.00E+00	7.30E-10	2.14E-08	3.61E-03	1.02E-05	8.58E-03	0.00E+00	6.20E+00	1.83E-08	6.20E+00	5.96E+00	8.58E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-03
HHW250DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HHW251DR	7.92E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.16E-01	4.67E-07	3.68E-03	4.05E-02	0.00E+00	0.00E+00	2.19E-11	4.24E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.91E-09	6.47E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.92E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-03
HHW320DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HHW321DR	7.92E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.15E-01	4.67E-07	3.67E-03	4.05E-02	0.00E+00	0.00E+00	2.19E-11	4.24E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.37E-02	1.74E+01	0.00E+00	1.91E-09	6.46E-08	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-03
HHW400DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.13E-03	3.44E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.45E-08	8.78E-03	2.61E-05	1.94E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HHW401DR	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.48E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.92E-08	1.74E+01	1.74E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
HMJ250DR	6.68E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.18E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.43E-08	8.84E-03	2.60E-05	1.95E-02	0.00E+00	1.46E+01	4.14E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
HMJ251DR	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.69E-03	4.05E-02	0.00E+00	0.00E+00	2.19E-11	4.26E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.74E+01	0.00E+00	1.91E-09	6.44E-08	1.03E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.93E-08	1.74E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
HMJ320BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.72E-01	3.86E-07	3.24E-03	3.56E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.62E-02	1.45E+01	0.00E+00	1.59E-09	5.51E-08	8.95E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.08E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HMJ320DR	6.68E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.18E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.43E-08	8.84E-03	2.60E-05	1.95E-02	0.00E+00	1.46E+01	4.14E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
HMJ321DR	7.94E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.69E-03	4.06E-02	0.00E+00	0.00E+00	2.19E-11	4.26E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.75E+01	0.00E+00	1.91E-09	6.46E-08	1.03E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.93E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
HMJ400DR	6.52E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.86E-07	3.05E-03	3.35E-02	0.00E+00	0.00E+00	1.81E-11	3.50E-10	2.51E-03	0.00E+00	0.00E+00	0.00E+00	9.10E-05	3.61E-02	1.44E+01	0.00E+00	1.58E-09	5.30E-08	8.45E-03	2.57E-05	1.92E-02	0.00E+00	1.44E+01	4.05E-08	1.44E+01	1.44E+01	1.92E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HMJ401DR	7.95E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.20E-01	4.69E-07	3.69E-03	4.05E-02	0.00E+00	0.00E+00	2.20E-11	4.27E-10	3.05E-03	0.00E+00	0.00E+00	0.00E+00	1.11E-04	4.40E-02	1.75E+01	0.00E+00	1.92E-09	6.47E-08	1.02E-02	3.15E-05	2.33E-02	0.00E+00	1.75E+01	4.94E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.76E-03
HMJ500BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.88E-07	3.20E-03	3.52E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.07E-05	3.63E-02	1.45E+01	0.00E+00	1.59E-09	5.52E-08	8.87E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.07E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.92E-03
HMJ630DE	6.52E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.86E-07	3.05E-03	3.35E-02	0.00E+00	0.00E+00	1.81E-11	3.50E-10	2.51E-03	0.00E+00	0.00E+00	0.00E+00	9.10E-05	3.61E-02	1.44E+01	0.00E+00	1.58E-09	5.30E-08	8.45E-03	2.57E-05	1.92E-02	0.00E+00	1.44E+01	4.05E-08	1.44E+01	1.44E+01	1.92E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HMS025BC	2.30E-03	2.31E-01	0.00E+00	2.31E-01	0.00E+00	0.00E+00	1.35E-01	8.29E-08	6.62E-04	7.61E-03	0.00E+00	0.00E+00	3.31E-12	7.58E-11	4.78E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-05	7.33E-03	2.88E+00	0.00E+00	2.90E-10	1.56E-08	2.08E-03	4.56E-06	3.71E-03	0.00E+00	2.88E+00	8.51E-09	2.88E+00	2.89E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	7.68E-04
HMS025BR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.17E-08	3.05E-03	3.42E-02	0.00E+00	0.00E+00	4.08E-12	8.67E-11	5.56E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.54E-03	3.33E+00	0.00E+00	3.43E-10	6.82E-08	8.36E-03	5.97E-06	4.12E-03	0.00E+00	3.33E+00	9.65E-09	3.33E+00	3.15E+00	4.12E-03	0.00E+00	0.00E+00	0.00E+00	9.11E-04
HMS025DC	2.30E-03	2.30E-01	0.00E+00	2.30E-01	0.00E+00	0.00E+00	1.35E-01	8.25E-08	6.62E-04	7.61E-03	0.00E+00	0.00E+00	3.30E-12	7.57E-11	4.75E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-05	7.32E-03	2.87E+00	0.00E+00	2.89E-10	1.56E-08	2.08E-03	4.53E-06	3.71E-03	0.00E+00	2.87E+00	8.47E-09	2.87E+00	2.88E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	7.65E-04
HMS025DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.05E-03	3.42E-02	0.00E+00	0.00E+00	4.09E-12	8.69E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.55E-03	3.34E+00	0.00E+00	3.44E-10	6.81E-08	8.36E-03	5.98E-06	4.14E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.16E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	9.11E-04
HMS026BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS026BR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.87E-08	8.54E-03	7.34E-06	5.01E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.01E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HMS026DC	2.86E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.58E-01	9.42E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.32E-12	8.59E-11	5.97E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	8.77E-03	3.35E+00	0.00E+00	3.68E-10	2.04E-08	2.95E-03	5.86E-06	4.51E-03	0.00E+00	3.35E+00	9.72E-09	3.35E+00	3.38E+00	4.51E-03	0.00E+00	0.00E+00	0.00E+00	9.32E-04
HMS026DR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.87E-08	8.54E-03	7.34E-06	5.03E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HMS040BC	2.28E-03	2.28E-01	0.00E+00	2.28E-01	0.00E+00	0.00E+00	1.34E-01	8.16E-08	6.58E-04	7.56E-03	0.00E+00	0.00E+00	3.26E-12	7.52E-11	4.70E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-05	7.25E-03	2.83E+00	0.00E+00	2.85E-10	1.56E-08	2.08E-03	4.47E-06	3.68E-03	0.00E+00	2.83E+00	8.40E-09	2.83E+00	2.85E+00	3.68E-03	0.00E+00	0.00E+00	0.00E+00	7.56E-04
HMS040BR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.18E-08	3.05E-03	3.42E-02	0.00E+00	0.00E+00	4.08E-12	8.69E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.55E-03	3.34E+00	0.00E+00	3.44E-10	6.82E-08	8.36E-03	5.98E-06	4.13E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.16E+00	4.13E-03	0.00E+00	0.00E+00	0.00E+00	9.11E-04
HMS040DC	2.30E-03	2.31E-01	0.00E+00	2.31E-01	0.00E+00	0.00E+00	1.35E-01	8.29E-08	6.62E-04	7.61E-03	0.00E+00	0.00E+00	3.31E-12	7.58E-11	4.78E-04	0.00E+00	0.00E+00	0.00E+00	1.76E-05	7.33E-03	2.88E+00	0.00E+00	2.90E-10	1.56E-08	2.08E-03	4.56E-06	3.71E-03	0.00E+00	2.88E+00	8.51E-09	2.88E+00	2.89E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	7.68E-04
HMS040DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.05E-03	3.42E-02	0.00E+00	0.00E+00	4.09E-12	8.69E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.55E-03	3.34E+00	0.00E+00	3.44E-10	6.81E-08	8.36E-03	5.98E-06	4.14E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.16E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	9.11E-04
HMS041BC	2.84E-03	2.63E-01	0.00E+00	2.63E-01	0.00E+00	0.00E+00	1.57E-01	9.35E-08	9.47E-04	1.09E-02	0.00E+00	0.00E+00	4.30E-12	8.57E-11	5.94E-04	0.00E+00	0.00E+00	0.00E+00	2.11E-05	8.71E-03	3.33E+00	0.00E+00	3.65E-10	2.04E-08	2.94E-03	5.83E-06	4.51E-03	0.00E+00	3.33E+00	9.68E-09	3.33E+00	3.37E+00	4.51E-03	0.00E+00	0.00E+00	0.00E+00	9.25E-04
HMS041BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.86E-08	8.53E-03	7.28E-06	4.94E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HMS041DC	2.88E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.48E-08	9.60E-04	1.11E-02	0.00E+00	0.00E+00	4.35E-12	8.63E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.87E-03	3.37E+00	0.00E+00	3.71E-10	2.07E-08	2.97E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.79E-09	3.37E+00	3.42E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.39E-04
HMS041DR	1.24E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.75E-01	1.02E-07	3.13E-03	3.51E-02	0.00E+00	0.00E+00	4.90E-12	9.71E-11	6.67E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.84E-03	3.84E+00	0.00E+00	4.20E-10	6.91E-08	8.60E-03	7.16E-06	4.87E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.65E+00	4.87E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HMS050BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HMS050BR	1.23E-02	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.57E-01	9.20E-08	3.03E-03	3.41E-02	0.00E+00	0.00E+00	4.10E-12	8.69E-11	5.59E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.58E-03	3.35E+00	0.00E+00	3.45E-10	6.83E-08	8.37E-03	5.99E-06	4.14E-03	0.00E+00	3.35E+00	9.69E-09	3.35E+00	3.17E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	9.14E-04
HMS051BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS051BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.88E-08	8.53E-03	7.28E-06	4.95E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HMS063BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.54E-09	2.91E+00	2.92E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HMS063BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.46E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.72E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HMS063DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.78E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.54E-09	2.91E+00	2.92E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HMS063DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.04E-03	3.41E-02	0.00E+00	0.00E+00	4.09E-12	8.70E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.56E-03	3.34E+00	0.00E+00	3.44E-10	6.82E-08	8.37E-03	5.99E-06	4.15E-03	0.00E+00	3.34E+00	9.66E-09	3.34E+00	3.16E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	9.10E-04
HMS064BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS064BR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.89E-08	8.54E-03	7.34E-06	5.02E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.02E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HMS064DC	2.88E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS064DR	1.25E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	4.91E-12	9.75E-11	6.68E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.89E-03	3.84E+00	0.00E+00	4.20E-10	6.92E-08	8.60E-03	7.17E-06	4.88E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HMS080BC	2.32E-03	2.33E-01	0.00E+00	2.33E-01	0.00E+00	0.00E+00	1.37E-01	8.36E-08	6.72E-04	7.71E-03	0.00E+00	0.00E+00	3.34E-12	7.63E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.41E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.59E-09	2.91E+00	2.94E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HMS080BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HMS080DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.34E-08	6.72E-04	7.78E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HMS080DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.04E-03	3.41E-02	0.00E+00	0.00E+00	4.09E-12	8.70E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.56E-03	3.34E+00	0.00E+00	3.44E-10	6.82E-08	8.37E-03	5.99E-06	4.15E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.16E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	9.12E-04
HMS081BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS081BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.88E-08	8.53E-03	7.28E-06	4.95E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HMS081DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS081DR	1.25E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	4.91E-12	9.75E-11	6.68E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.89E-03	3.84E+00	0.00E+00	4.20E-10	6.92E-08	8.60E-03	7.17E-06	4.88E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HMS100BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HMS100BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HMS100DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.77E-04
HMS100DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.57E-01	9.20E-08	3.04E-03	3.41E-02	0.00E+00	0.00E+00	4.10E-12	8.70E-11	5.59E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.58E-03	3.35E+00	0.00E+00	3.45E-10	6.82E-08	8.37E-03	5.99E-06	4.16E-03	0.00E+00	3.35E+00	9.69E-09	3.35E+00	3.17E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.14E-04
HMS101BC	2.88E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.48E-08	9.60E-04	1.11E-02	0.00E+00	0.00E+00	4.35E-12	8.64E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.84E-03	3.37E+00	0.00E+00	3.72E-10	2.06E-08	2.97E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.79E-09	3.37E+00	3.42E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.39E-04
HMS101BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.88E-08	8.53E-03	7.28E-06	4.95E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HMS101DC	2.88E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS101DR	1.25E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	4.91E-12	9.75E-11	6.68E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.89E-03	3.84E+00	0.00E+00	4.20E-10	6.92E-08	8.60E-03	7.17E-06	4.88E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HMS102DC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS125BC	2.31E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.68E-04	7.64E-03	0.00E+00	0.00E+00	3.33E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.39E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.11E-03	4.57E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HMS125BR	1.22E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.00E-03	3.37E-02	0.00E+00	0.00E+00	4.13E-12	8.71E-11	5.61E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.62E-03	3.37E+00	0.00E+00	3.46E-10	6.80E-08	8.28E-03	6.03E-06	4.16E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-04
HMS125DC	2.31E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.34E-08	6.68E-04	7.70E-03	0.00E+00	0.00E+00	3.33E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.11E-03	4.57E-06	3.75E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.75E-03	0.00E+00	0.00E+00	0.00E+00	7.77E-04
HMS125DR	1.22E-02	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.00E-03	3.37E-02	0.00E+00	0.00E+00	4.09E-12	8.68E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.55E-03	3.34E+00	0.00E+00	3.44E-10	6.78E-08	8.30E-03	6.00E-06	4.15E-03	0.00E+00	3.34E+00	9.66E-09	3.34E+00	3.15E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	9.12E-04
HMS126BC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS126BR	1.23E-02	2.97E-01	0.00E+00	2.97E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.07E-03	3.43E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.87E+00	0.00E+00	4.25E-10	6.84E-08	8.45E-03	7.28E-06	4.94E-03	0.00E+00	3.87E+00	1.08E-08	3.87E+00	3.61E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HMS126DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS126DR	1.24E-02	2.94E-01	0.00E+00	2.94E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.08E-03	3.45E-02	0.00E+00	0.00E+00	4.90E-12	9.73E-11	6.67E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.88E-03	3.84E+00	0.00E+00	4.20E-10	6.88E-08	8.52E-03	7.17E-06	4.87E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.65E+00	4.87E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HMS127DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HMS160BC	2.31E-03	2.31E-01	0.00E+00	2.31E-01	0.00E+00	0.00E+00	1.37E-01	8.32E-08	6.67E-04	7.61E-03	0.00E+00	0.00E+00	3.32E-12	7.62E-11	4.81E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	7.36E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.11E-03	4.56E-06	3.73E-03	0.00E+00	2.91E+00	8.55E-09	2.91E+00	2.94E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HMS160BR	1.21E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.57E-01	9.18E-08	2.98E-03	3.35E-02	0.00E+00	0.00E+00	4.08E-12	8.70E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-05	8.56E-03	3.35E+00	0.00E+00	3.45E-10	6.72E-08	8.30E-03	6.00E-06	4.12E-03	0.00E+00	3.35E+00	9.67E-09	3.35E+00	3.20E+00	4.12E-03	0.00E+00	0.00E+00	0.00E+00	9.11E-04
HMS160DC	1.55E-03	2.44E-01	0.00E+00	2.44E-01	0.00E+00	0.00E+00	1.60E-01	9.18E-08	7.26E-04	7.97E-03	0.00E+00	0.00E+00	4.30E-12	8.32E-11	5.96E-04	0.00E+00	0.00E+00	0.00E+00	2.16E-05	8.59E-03	3.41E+00	0.00E+00	3.75E-10	1.26E-08	2.01E-03	6.12E-06	4.56E-03	0.00E+00	3.41E+00	9.63E-09	3.41E+00	3.42E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.29E-04
HMS160DR	1.21E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.56E-01	9.22E-08	2.98E-03	3.35E-02	0.00E+00	0.00E+00	4.08E-12	8.73E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-05	8.56E-03	3.36E+00	0.00E+00	3.45E-10	6.72E-08	8.30E-03	6.04E-06	4.13E-03	0.00E+00	3.36E+00	9.70E-09	3.36E+00	3.20E+00	4.13E-03	0.00E+00	0.00E+00	0.00E+00	9.12E-04
HMS161BC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HMS161BR	1.23E-02	2.96E-01	0.00E+00	2.96E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.05E-03	3.42E-02	0.00E+00	0.00E+00	5.01E-12	1.01E-10	6.71E-04	0.00E+00	0.00E+00	0.00E+00	2.42E-05	1.02E-02	3.87E+00	0.00E+00	4.25E-10	6.76E-08	8.46E-03	7.27E-06	4.94E-03	0.00E+00	3.87E+00	1.08E-08	3.87E+00	3.63E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HMS161DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HMS161DR	1.24E-02	2.94E-01	0.00E+00	2.94E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.07E-03	3.45E-02	0.00E+00	0.00E+00	4.89E-12	9.74E-11	6.66E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.86E-03	3.84E+00	0.00E+00	4.20E-10	6.83E-08	8.57E-03	7.20E-06	4.86E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.67E+00	4.86E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HMS162DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HMT050DR	2.86E-03	4.62E-01	0.00E+00	4.62E-01	0.00E+00	0.00E+00	3.02E-01	1.75E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.17E-12	1.59E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.70E-02	6.34E+00	0.00E+00	7.40E-10	2.40E-08	4.37E-03	1.06E-05	8.82E-03	0.00E+00	6.34E+00	1.86E-08	6.34E+00	6.15E+00	8.82E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-03

HMT051DR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HMT063DR	2.86E-03	4.62E-01	0.00E+00	4.62E-01	0.00E+00	0.00E+00	3.02E-01	1.75E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.17E-12	1.59E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.70E-02	6.34E+00	0.00E+00	7.40E-10	2.40E-08	4.37E-03	1.06E-05	8.82E-03	0.00E+00	6.34E+00	1.86E-08	6.34E+00	6.15E+00	8.82E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-03
HMT064DR	2.81E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.06E-01	1.75E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.38E-12	1.59E-10	1.14E-03	0.00E+00	0.00E+00	0.00E+00	4.21E-05	1.75E-02	6.41E+00	0.00E+00	7.51E-10	2.16E-08	3.59E-03	1.07E-05	8.89E-03	0.00E+00	6.41E+00	1.89E-08	6.41E+00	6.16E+00	8.89E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-03
HMT100BR	1.32E-02	5.53E-01	0.00E+00	5.53E-01	0.00E+00	0.00E+00	3.54E-01	1.98E-07	3.49E-03	3.84E-02	0.00E+00	0.00E+00	9.23E-12	1.86E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.97E-02	7.41E+00	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.91E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
HMT100DR	1.32E-02	5.16E-01	0.00E+00	5.16E-01	0.00E+00	0.00E+00	3.25E-01	1.83E-07	3.50E-03	3.83E-02	0.00E+00	0.00E+00	8.16E-12	1.69E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.13E-05	1.74E-02	6.99E+00	0.00E+00	6.70E-10	7.30E-08	1.02E-02	1.21E-05	8.21E-03	0.00E+00	6.99E+00	1.90E-08	6.99E+00	6.60E+00	8.21E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-03
HMT101BR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HMT101DR	2.81E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.06E-01	1.75E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.38E-12	1.59E-10	1.14E-03	0.00E+00	0.00E+00	0.00E+00	4.21E-05	1.75E-02	6.41E+00	0.00E+00	7.51E-10	2.16E-08	3.59E-03	1.07E-05	8.89E-03	0.00E+00	6.41E+00	1.89E-08	6.41E+00	6.16E+00	8.89E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-03
HMT102DR	2.80E-03	4.58E-01	0.00E+00	4.58E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.58E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	1.73E-02	6.36E+00	0.00E+00	7.41E-10	2.12E-08	3.58E-03	1.04E-05	8.78E-03	0.00E+00	6.36E+00	1.88E-08	6.36E+00	6.13E+00	8.78E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-03
HMT125BR	1.32E-02	5.53E-01	0.00E+00	5.53E-01	0.00E+00	0.00E+00	3.54E-01	1.98E-07	3.49E-03	3.84E-02	0.00E+00	0.00E+00	9.23E-12	1.86E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.97E-02	7.41E+00	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.91E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
HMT125DR	1.32E-02	5.16E-01	0.00E+00	5.16E-01	0.00E+00	0.00E+00	3.25E-01	1.83E-07	3.50E-03	3.83E-02	0.00E+00	0.00E+00	8.16E-12	1.69E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.13E-05	1.74E-02	6.99E+00	0.00E+00	6.70E-10	7.30E-08	1.02E-02	1.21E-05	8.21E-03	0.00E+00	6.99E+00	1.90E-08	6.99E+00	6.60E+00	8.21E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-03
HMT126BR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HMT126DR	2.81E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.06E-01	1.75E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.38E-12	1.59E-10	1.14E-03	0.00E+00	0.00E+00	0.00E+00	4.21E-05	1.75E-02	6.41E+00	0.00E+00	7.51E-10	2.16E-08	3.59E-03	1.07E-05	8.89E-03	0.00E+00	6.41E+00	1.89E-08	6.41E+00	6.16E+00	8.89E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-03
HMT127DR	2.80E-03	4.58E-01	0.00E+00	4.58E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.58E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.18E-05	1.73E-02	6.36E+00	0.00E+00	7.41E-10	2.12E-08	3.58E-03	1.04E-05	8.78E-03	0.00E+00	6.36E+00	1.88E-08	6.36E+00	6.13E+00	8.78E-03	0.00E+00	0.00E+00	0.00E+00	1.95E-03
HMT160BR	1.31E-02	5.47E-01	0.00E+00	5.47E-01	0.00E+00	0.00E+00	3.49E-01	1.95E-07	3.45E-03	3.78E-02	0.00E+00	0.00E+00	9.12E-12	1.85E-10	1.21E-03	0.00E+00	0.00E+00	0.00E+00	4.51E-05	1.94E-02	7.30E+00	0.00E+00	7.81E-10	7.19E-08	1.00E-02	1.24E-05	9.20E-03	0.00E+00	7.30E+00	2.07E-08	7.30E+00	6.79E+00	9.20E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-03
HMT160DR	2.86E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	2.97E-01	1.72E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.07E-12	1.58E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.06E-05	1.67E-02	6.21E+00	0.00E+00	7.31E-10	2.40E-08	4.37E-03	1.05E-05	8.65E-03	0.00E+00	6.21E+00	1.82E-08	6.21E+00	6.02E+00	8.65E-03	0.00E+00	0.00E+00	0.00E+00	1.88E-03
HMT161BR	1.31E-02	5.55E-01	0.00E+00	5.55E-01	0.00E+00	0.00E+00	3.53E-01	1.97E-07	3.45E-03	3.78E-02	0.00E+00	0.00E+00	9.32E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.99E-02	7.41E+00	0.00E+00	7.92E-10	7.21E-08	1.01E-02	1.24E-05	9.31E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.81E+00	9.31E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-03
HMT161DR	2.81E-03	4.56E-01	0.00E+00	4.56E-01	0.00E+00	0.00E+00	3.01E-01	1.73E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.29E-12	1.57E-10	1.13E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.72E-02	6.29E+00	0.00E+00	7.44E-10	2.16E-08	3.59E-03	1.05E-05	8.74E-03	0.00E+00	6.29E+00	1.86E-08	6.29E+00	6.02E+00	8.74E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-03
HMT162DR	2.80E-03	4.55E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	2.98E-01	1.72E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.56E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	1.70E-02	6.25E+00	0.00E+00	7.33E-10	2.12E-08	3.58E-03	1.03E-05	8.63E-03	0.00E+00	6.25E+00	1.85E-08	6.25E+00	5.99E+00	8.63E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HMT200BR	1.31E-02	5.45E-01	0.00E+00	5.45E-01	0.00E+00	0.00E+00	3.49E-01	1.96E-07	3.47E-03	3.79E-02	0.00E+00	0.00E+00	9.12E-12	1.85E-10	1.21E-03	0.00E+00	0.00E+00	0.00E+00	4.51E-05	1.93E-02	7.28E+00	0.00E+00	7.81E-10	7.20E-08	1.01E-02	1.24E-05	9.22E-03	0.00E+00	7.28E+00	2.06E-08	7.28E+00	6.78E+00	9.22E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-03
HMT200DR	1.31E-02	5.10E-01	0.00E+00	5.10E-01	0.00E+00	0.00E+00	3.20E-01	1.81E-07	3.46E-03	3.78E-02	0.00E+00	0.00E+00	8.05E-12	1.67E-10	1.09E-03	0.00E+00	0.00E+00	0.00E+00	4.06E-05	1.71E-02	6.87E+00	0.00E+00	6.59E-10	7.18E-08	1.01E-02	1.20E-05	8.06E-03	0.00E+00	6.87E+00	1.86E-08	6.87E+00	6.47E+00	8.06E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HMT201BR	1.31E-02	5.52E-01	0.00E+00	5.52E-01	0.00E+00	0.00E+00	3.53E-01	1.97E-07	3.47E-03	3.80E-02	0.00E+00	0.00E+00	9.32E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.98E-02	7.38E+00	0.00E+00	7.92E-10	7.22E-08	1.01E-02	1.24E-05	9.32E-03	0.00E+00	7.38E+00	2.09E-08	7.38E+00	6.80E+00	9.32E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-03
HMT201DR	2.80E-03	4.55E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	3.00E-01	1.73E-07	1.22E-03	1.36E-02	0.00E+00	0.00E+00	8.28E-12	1.57E-10	1.13E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.72E-02	6.29E+00	0.00E+00	7.44E-10	2.14E-08	3.57E-03	1.05E-05	8.73E-03	0.00E+00	6.29E+00	1.86E-08	6.29E+00	6.01E+00	8.73E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HMT202DR	2.79E-03	4.54E-01	0.00E+00	4.54E-01	0.00E+00	0.00E+00	2.98E-01	1.72E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.57E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	1.70E-02	6.25E+00	0.00E+00	7.33E-10	2.11E-08	3.56E-03	1.03E-05	8.62E-03	0.00E+00	6.25E+00	1.85E-08	6.25E+00	5.97E+00	8.62E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HMT250BR	1.30E-02	5.48E-01	0.00E+00	5.48E-01	0.00E+00	0.00E+00	3.48E-01	1.94E-07	3.42E-03	3.76E-02	0.00E+00	0.00E+00	9.10E-12	1.84E-10	1.21E-03	0.00E+00	0.00E+00	0.00E+00	4.48E-05	1.94E-02	7.25E+00	0.00E+00	7.79E-10	7.10E-08	1.00E-02	1.24E-05	9.15E-03	0.00E+00	7.25E+00	2.05E-08	7.25E+00	6.76E+00	9.15E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-03
HMT250DR	2.14E-03	3.38E-01	0.00E+00	3.38E-01	0.00E+00	0.00E+00	2.22E-01	1.27E-07	1.00E-03	1.10E-02	0.00E+00	0.00E+00	5.94E-12	1.15E-10	8.24E-04	0.00E+00	0.00E+00	0.00E+00	2.99E-05	1.19E-02	4.72E+00	0.00E+00	5.18E-10	1.74E-08	2.78E-03	8.45E-06	6.30E-03	0.00E+00	4.72E+00	1.33E-08	4.72E+00	4.72E+00	6.30E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-03
HMT251BR	1.30E-02	5.56E-01	0.00E+00	5.56E-01	0.00E+00	0.00E+00	3.52E-01	1.96E-07	3.43E-03	3.77E-02	0.00E+00	0.00E+00	9.30E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.55E-05	1.99E-02	7.36E+00	0.00E+00	7.89E-10	7.13E-08	1.01E-02	1.24E-05	9.26E-03	0.00E+00	7.36E+00	2.09E-08	7.36E+00	6.79E+00	9.26E-03	0.00E+00	0.00E+00	0.00E+00	2.13E-03
HMT251DR	2.83E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.00E-01	1.72E-07	1.24E-03	1.37E-02	0.00E+00	0.00E+00	8.28E-12	1.57E-10	1.13E-03	0.00E+00	0.00E+00	0.00E+00	4.12E-05	1.71E-02	6.25E+00	0.00E+00	7.42E-10	2.18E-08	3.63E-03	1.05E-05	8.70E-03	0.00E+00	6.25E+00	1.85E-08	6.25E+00	6.00E+00	8.70E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HMT252DR	2.81E-03	4.58E-01	0.00E+00	4.58E-01	0.00E+00	0.00E+00	2.97E-01	1.70E-07	1.22E-03	1.36E-02	0.00E+00	0.00E+00	8.24E-12	1.57E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.09E-05	1.69E-02	6.21E+00	0.00E+00	7.31E-10	2.14E-08	3.63E-03	1.02E-05	8.59E-03	0.00E+00	6.21E+00	1.84E-08	6.21E+00	5.97E+00	8.59E-03	0.00E+00	0.00E+00	0.00E+00	1.91E-03
HMW250DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HMW251DR	7.91E-03	1.24E+00	0.00E+00	1.24E+00	0.00E+00	0.00E+00	8.15E-01	4.67E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.19E-11	4.24E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.37E-02	1.74E+01	0.00E+00	1.91E-09	6.45E-08	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-03
HMW320BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.72E-01	3.86E-07	3.24E-03	3.56E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.62E-02	1.45E+01	0.00E+00	1.59E-09	5.51E-08	8.95E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.08E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HMW320DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HMW321BR	7.65E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.80E-01	4.49E-07	3.61E-03	3.97E-02	0.00E+00	0.00E+00	2.12E-11	4.03E-10	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.05E-04	4.21E-02	1.68E+01	0.00E+00	1.86E-09	6.34E-08	9.98E-03	2.98E-05	2.24E-02	0.00E+00	1.68E+01	4.72E-08	1.68E+01	1.65E+01	2.24E-02	0.00E+00	0.00E+00	0.00E+00	4.57E-03
HMW321DR	7.92E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.15E-01	4.67E-07	3.67E-03	4.05E-02	0.00E+00	0.00E+00	2.19E-11	4.24E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.37E-02	1.74E+01	0.00E+00	1.91E-09	6.46E-08	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-03
HMW400DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.13E-03	3.44E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.45E-08	8.78E-03	2.61E-05	1.94E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HMW401DR	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.48E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.92E-08	1.74E+01	1.74E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
HMW500BR	6.64E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.88E-07	3.20E-03	3.52E-02	0.00E+00	0.00E+00	1.84E-11	3.47E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.63E-02	1.45E+01	0.00E+00	1.59E-09	5.52E-08	8.87E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.07E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.92E-03
HMW501BR	7.66E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.84E-01	4.50E-07	3.59E-03	3.94E-02	0.00E+00	0.00E+00	2.13E-11	4.03E-10	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-04	4.22E-02	1.68E+01	0.00E+00	1.86E-09	6.34E-08	9.92E-03	2.99E-05	2.25E-02	0.00E+00	1.68E+01	4.72E-08	1.68E+01	1.65E+01	2.25E-02	0.00E+00	0.00E+00	0.00E+00	4.58E-03
HNA016M	1.08E-03	1.60E-01	0.00E+00	1.60E-01	0.00E+00	0.00E+00	1.04E-01	6.00E-08	4.89E-04	5.52E-03	0.00E+00	0.00E+00	2.82E-12	5.58E-11	3.87E-04	0.00E+00	0.00E+00	0.00E+00	1.38E-05	5.76E-03	2.25E+00	0.00E+00	2.49E-10	8.69E-09	1.38E-03	4.18E-06	3.08E-03	0.00E+00	2.25E+00	6.17E-09	2.25E+00	2.21E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.21E-04
HNA016Z	1.12E-03	1.75E-01	0.00E+00	1.75E-01	0.00E+00	0.00E+00	1.15E-01	6.63E-08	5.23E-04	5.87E-03	0.00E+00	0.00E+00	3.07E-12	5.98E-11	4.22E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-05	6.16E-03	2.45E+00	0.00E+00	2.66E-10	9.28E-09	1.46E-03	4.37E-06	3.25E-03	0.00E+00	2.45E+00	6.79E-09	2.45E+00	2.43E+00	3.25E-03	0.00E+00	0.00E+00	0.00E+00	6.68E-04
HNA017M	1.54E-03	2.28E-01	0.00E+00	2.28E-01	0.00E+00	0.00E+00	1.50E-01	8.66E-08	7.20E-04	8.00E-03	0.00E+00	0.00E+00	4.09E-12	7.93E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.17E-03	3.22E+00	0.00E+00	3.57E-10	1.28E-08	2.01E-03	5.88E-06	4.36E-03	0.00E+00	3.22E+00	9.02E-09	3.22E+00	3.18E+00	4.36E-03	0.00E+00	0.00E+00	0.00E+00	8.83E-04
HNA017Z	1.30E-03	2.10E-01	0.00E+00	2.10E-01	0.00E+00	0.00E+00	1.37E-01	8.03E-08	6.04E-04	6.69E-03	0.00E+00	0.00E+00	3.71E-12	7.18E-11	5.08E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-05	7.46E-03	2.95E+00	0.00E+00	3.23E-10	1.09E-08	1.68E-03	5.24E-06	3.92E-03	0.00E+00	2.95E+00	8.27E-09	2.95E+00	2.92E+00	3.92E-03	0.00E+00	0.00E+00	0.00E+00	7.92E-04
HNA020M	1.23E-03	1.59E-01	0.00E+00	1.59E-01	0.00E+00	0.00E+00	1.03E-01	5.94E-08	4.85E-04	5.48E-03	0.00E+00	0.00E+00	2.79E-12	5.52E-11	3.83E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-05	5.71E-03	2.23E+00	0.00E+00	2.46E-10	8.60E-09	1.36E-03	4.13E-06	3.05E-03	0.00E+00	2.23E+00	6.10E-09	2.23E+00	2.19E+00	3.05E-03	0.00E+00	0.00E+00	0.00E+00	6.15E-04
HNA020Z	1.14E-03	1.79E-01	0.00E+00	1.79E-01	0.00E+00	0.00E+00	1.19E-01	6.78E-08	5.36E-04	5.94E-03	0.00E+00	0.00E+00	3.15E-12	6.11E-11	4.36E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-05	6.30E-03	2.52E+00	0.00E+00	2.75E-10	9.34E-09	1.48E-03	4.50E-06	3.35E-03	0.00E+00	2.52E+00	7.01E-09	2.52E+00	2.52E+00	3.35E-03	0.00E+00	0.00E+00	0.00E+00	6.85E-04
HNA021M	1.54E-03	2.28E-01	0.00E+00	2.28E-01	0.00E+00	0.00E+00	1.50E-01	8.67E-08	7.21E-04	8.01E-03	0.00E+00	0.00E+00	4.09E-12	7.93E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.17E-03	3.22E+00	0.00E+00	3.57E-10	1.28E-08	2.02E-03	5.88E-06	4.36E-03	0.00E+00	3.22E+00	9.03E-09	3.22E+00	3.18E+00	4.36E-03	0.00E+00	0.00E+00	0.00E+00	8.82E-04
HNA021Z	1.52E-03	2.35E-01	0.00E+00	2.35E-01	0.00E+00	0.00E+00	1.55E-01	8.98E-08	7.16E-04	7.90E-03	0.00E+00	0.00E+00	4.14E-12	8.04E-11	5.70E-04	0.00E+00	0.00E+00	0.00E+00	2.09E-05	8.34E-03	3.33E+00	0.00E+00	3.62E-10	1.27E-08	2.00E-03	5.93E-06	4.41E-03	0.00E+00	3.33E+00	9.31E-09	3.33E+00	3.33E+00	4.41E-03	0.00E+00	0.00E+00	0.00E+00	8.96E-04
HNA025H	1.22E-03	1.92E-01	0.00E+00	1.92E-01	0.00E+00	0.00E+00	1.26E-01	7.22E-08	5.71E-04	6.26E-03	0.00E+00	0.00E+00	3.38E-12	6.55E-11	4.69E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-05	6.77E-03	2.69E+00	0.00E+00	2.96E-10	9.86E-09	1.57E-03	4.80E-06	3.59E-03	0.00E+00	2.69E+00	7.56E-09	2.69E+00	2.69E+00	3.59E-03	0.00E+00	0.00E+00	0.00E+00	7.34E-04
HNA025M	1.08E-03	1.68E-01	0.00E+00	1.68E-01	0.00E+00	0.00E+00	1.09E-01	6.31E-08	4.90E-04	5.54E-03	0.00E+00	0.00E+00	2.98E-12	5.81E-11	4.05E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-05	5.95E-03	2.35E+00	0.00E+00	2.61E-10	8.71E-09	1.38E-03	4.42E-06	3.21E-03	0.00E+00	2.35E+00	6.50E-09	2.35E+00	2.34E+00	3.21E-03	0.00E+00	0.00E+00	0.00E+00	6.48E-04
HNA025U	1.15E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	6.86E-08	5.40E-04	5.95E-03	0.00E+00	0.00E+00	3.21E-12	6.21E-11	4.45E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	6.41E-03	2.54E+00	0.00E+00	2.80E-10	9.43E-09	1.50E-03	4.58E-06	3.41E-03	0.00E+00	2.54E+00	7.16E-09	2.54E+00	2.55E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	6.96E-04
HNA025Z	1.15E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	6.86E-08	5.40E-04	5.95E-03	0.00E+00	0.00E+00	3.20E-12	6.21E-11	4.45E-04	0.00E+00	0.00E+00	0.00E+00	1.61E-05	6.41E-03	2.54E+00	0.00E+00	2.80E-10	9.43E-09	1.50E-03	4.58E-06	3.41E-03	0.00E+00	2.54E+00	7.16E-09	2.54E+00	2.56E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	6.96E-04
HNA026H	1.58E-03	2.40E-01	0.00E+00	2.40E-01	0.00E+00	0.00E+00	1.59E-01	9.09E-08	7.43E-04	8.13E-03	0.00E+00	0.00E+00	4.31E-12	8.30E-11	5.92E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.54E-03	3.41E+00	0.00E+00	3.74E-10	1.30E-08	2.06E-03	6.15E-06	4.57E-03	0.00E+00	3.41E+00	9.61E-09	3.41E+00	3.40E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.23E-04
HNA026M	1.54E-03	2.28E-01	0.00E+00	2.28E-01	0.00E+00	0.00E+00	1.50E-01	8.66E-08	7.20E-04	8.00E-03	0.00E+00	0.00E+00	4.09E-12	7.93E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.17E-03	3.22E+00	0.00E+00	3.57E-10	1.28E-08	2.01E-03	5.87E-06	4.36E-03	0.00E+00	3.22E+00	9.02E-09	3.22E+00	3.18E+00	4.36E-03	0.00E+00	0.00E+00	0.00E+00	8.83E-04
HNA026U	1.05E-02	4.40E-01	0.00E+00	4.40E-01	0.00E+00	0.00E+00	2.74E-01	1.61E-07	2.92E-03	3.08E-02	0.00E+00	0.00E+00	6.59E-12	1.50E-10	9.28E-04	0.00E+00	0.00E+00	0.00E+00	3.58E-05	1.41E-02	5.87E+00	0.00E+00	5.88E-10	6.00E-08	8.14E-03	9.81E-06	7.37E-03	0.00E+00	5.87E+00	1.65E-08	5.87E+00	5.97E+00	7.37E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-03
HNA026Z	1.04E-02	4.47E-01	0.00E+00	4.47E-01	0.00E+00	0.00E+00	2.73E-01	1.60E-07	2.98E-03	3.11E-02	0.00E+00	0.00E+00	6.40E-12	1.49E-10	9.09E-04	0.00E+00	0.00E+00	0.00E+00	3.51E-05	1.38E-02	5.78E+00	0.00E+00	5.70E-10	5.98E-08	8.23E-03	9.53E-06	7.15E-03	0.00E+00	5.78E+00	1.64E-08	5.78E+00	5.91E+00	7.15E-03	0.00E+00	0.00E+00	0.00E+00	1.47E-03
HNA032M	1.23E-03	1.59E-01	0.00E+00	1.59E-01	0.00E+00	0.00E+00	1.03E-01	5.94E-08	4.84E-04	5.49E-03	0.00E+00	0.00E+00	2.79E-12	5.51E-11	3.82E-04	0.00E+00	0.00E+00	0.00E+00	1.37E-05	5.70E-03	2.23E+00	0.00E+00	2.46E-10	8.60E-09	1.36E-03	4.13E-06	3.05E-03	0.00E+00	2.23E+00	6.09E-09	2.23E+00	2.18E+00	3.05E-03	0.00E+00	0.00E+00	0.00E+00	6.15E-04
HNA032Z	9.62E-03	2.83E-01	0.00E+00	2.83E-01	0.00E+00	0.00E+00	1.72E-01	1.02E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.43E-12	9.71E-11	6.31E-04	0.00E+00	0.00E+00	0.00E+00	2.36E-05	9.13E-03	3.64E+00	0.00E+00	3.86E-10	5.15E-08	6.30E-03	6.30E-06	4.67E-03	0.00E+00	3.64E+00	1.00E-08	3.64E+00	3.82E+00	4.67E-03	0.00E+00	0.00E+00	0.00E+00	9.59E-04
HNA033M	1.54E-03	2.28E-01	0.00E+00	2.28E-01	0.00E+00	0.00E+00	1.50E-01	8.66E-08	7.20E-04	8.01E-03	0.00E+00	0.00E+00	4.09E-12	7.93E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.17E-03	3.22E+00	0.00E+00	3.57E-10	1.28E-08	2.01E-03	5.87E-06	4.36E-03	0.00E+00	3.22E+00	9.02E-09	3.22E+00	3.18E+00	4.36E-03	0.00E+00	0.00E+00	0.00E+00	8.83E-04
HNA033Z	1.03E-02	4.36E-01	0.00E+00	4.36E-01	0.00E+00	0.00E+00	2.61E-01	1.53E-07	2.92E-03	3.02E-02	0.00E+00	0.00E+00	5.77E-12	1.46E-10	8.31E-04	0.00E+00	0.00E+00	0.00E+00	3.29E-05	1.29E-02	5.55E+00	0.00E+00	5.17E-10	5.96E-08	8.06E-03	8.62E-06	6.65E-03	0.00E+00	5.55E+00	1.57E-08	5.55E+00	5.66E+00	6.65E-03	0.00E+00	0.00E+00	0.00E+00	1.37E-03
HNA040H	1.16E-03	1.80E-01	0.00E+00	1.80E-01	0.00E+00	0.00E+00	1.17E-01	6.70E-08	5.39E-04	5.88E-03	0.00E+00	0.00E+00	3.22E-12	6.20E-11	4.43E-04	0.00E+00	0.00E+00	0.00E+00	1.60E-05	6.38E-03	2.53E+00	0.00E+00	2.83E-10	9.50E-09	1.50E-03	4.66E-06	3.45E-03	0.00E+00	2.53E+00	7.04E-09	2.53E+00	2.53E+00	3.45E-03	0.00E+00	0.00E+00	0.00E+00	6.93E-04
HNA040M	1.10E-03	1.70E-01	0.00E+00	1.70E-01	0.00E+00	0.00E+00	1.11E-01	6.39E-08	4.98E-04	5.57E-03	0.00E+00	0.00E+00	3.02E-12	5.87E-11	4.13E-04	0.00E+00	0.00E+00	0.00E+00	1.52E-05	6.00E-03	2.39E+00	0.00E+00	2.66E-10	8.71E-09	1.39E-03	4.53E-06	3.25E-03	0.00E+00	2.39E+00	6.64E-09	2.39E+00	2.39E+00	3.25E-03	0.00E+00	0.00E+00	0.00E+00	6.58E-04
HNA040U	9.66E-03	2.81E-01	0.00E+00	2.81E-01	0.00E+00	0.00E+00	1.73E-01	1.03E-07	2.46E-03	2.65E-02	0.00E+00	0.00E+00	4.45E-12	9.83E-11	6.36E-04	0.00E+00	0.00E+00	0.00E+00	2.38E-05	9.33E-03	3.68E+00	0.00E+00	3.92E-10	5.15E-08	6.18E-03	6.44E-06	4.76E-03	0.00E+00	3.68E+00	1.02E-08	3.68E+00	3.89E+00	4.76E-03	0.00E+00	0.00E+00	0.00E+00	9.71E-04
HNA040Z	9.62E-03	2.88E-01	0.00E+00	2.88E-01	0.00E+00	0.00E+00	1.75E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.83E-11	6.43E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	9.31E-03	3.67E+00	0.00E+00	3.92E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.67E+00	1.02E-08	3.67E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.79E-04
HNA041H	1.72E-03	3.08E-01	0.00E+00	3.08E-01	0.00E+00	0.00E+00	2.04E-01	1.13E-07	7.53E-04	8.45E-03	0.00E+00	0.00E+00	5.83E-12	1.09E-10	7.72E-04	0.00E+00	0.00E+00	0.00E+00	2.80E-05	1.20E-02	4.15E+00	0.00E+00	5.37E-10	1.31E-08	2.08E-03	6.84E-06	6.07E-03	0.00E+00	4.15E+00	1.28E-08	4.15E+00	3.88E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-03
HNA041M	1.56E-03	2.29E-01	0.00E+00	2.29E-01	0.00E+00	0.00E+00	1.53E-01	8.77E-08	7.26E-04	8.03E-03	0.00E+00	0.00E+00	4.15E-12	7.97E-11	5.68E-04	0.00E+00	0.00E+00	0.00E+00	2.08E-05	8.22E-03	3.27E+00	0.00E+00	3.63E-10	1.28E-08	2.03E-03	6.05E-06	4.41E-03	0.00E+00	3.27E+00	9.20E-09	3.27E+00	3.25E+00	4.41E-03	0.00E+00	0.00E+00	0.00E+00	8.93E-04
HNA041U	1.03E-02	4.29E-01	0.00E+00	4.29E-01	0.00E+00	0.00E+00	2.63E-01	1.54E-07	2.86E-03	2.98E-02	0.00E+00	0.00E+00	5.95E-12	1.47E-10	8.55E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-05	1.32E-02	5.60E+00	0.00E+00	5.37E-10	5.97E-08	7.94E-03	8.92E-06	6.84E-03	0.00E+00	5.60E+00	1.57E-08	5.60E+00	5.76E+00	6.84E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-03
HNA041Z	1.03E-02	4.35E-01	0.00E+00	4.35E-01	0.00E+00	0.00E+00	2.63E-01	1.54E-07	2.92E-03	3.03E-02	0.00E+00	0.00E+00	5.84E-12	1.46E-10	8.45E-04	0.00E+00	0.00E+00	0.00E+00	3.33E-05	1.31E-02	5.57E+00	0.00E+00	5.26E-10	5.96E-08	8.07E-03	8.72E-06	6.75E-03	0.00E+00	5.57E+00	1.58E-08	5.57E+00	5.73E+00	6.75E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-03
HNA050M	1.11E-03	1.71E-01	0.00E+00	1.71E-01	0.00E+00	0.00E+00	1.13E-01	6.48E-08	5.03E-04	5.61E-03	0.00E+00	0.00E+00	3.05E-12	5.93E-11	4.20E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-05	6.10E-03	2.44E+00	0.00E+00	2.71E-10	8.71E-09	1.39E-03	4.53E-06	3.31E-03	0.00E+00	2.44E+00	6.73E-09	2.44E+00	2.43E+00	3.31E-03	0.00E+00	0.00E+00	0.00E+00	6.69E-04
HNA050Z	9.62E-03	2.88E-01	0.00E+00	2.88E-01	0.00E+00	0.00E+00	1.75E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.83E-11	6.43E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	9.31E-03	3.67E+00	0.00E+00	3.93E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.67E+00	1.02E-08	3.67E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.81E-04
HNA051M	1.56E-03	2.30E-01	0.00E+00	2.30E-01	0.00E+00	0.00E+00	1.54E-01	8.84E-08	7.28E-04	8.05E-03	0.00E+00	0.00E+00	4.18E-12	8.02E-11	5.72E-04	0.00E+00	0.00E+00	0.00E+00	2.10E-05	8.28E-03	3.31E+00	0.00E+00	3.65E-10	1.28E-08	2.03E-03	6.06E-06	4.45E-03	0.00E+00	3.31E+00	9.28E-09	3.31E+00	3.30E+00	4.45E-03	0.00E+00	0.00E+00	0.00E+00	9.00E-04
HNA051Z	1.03E-02	4.35E-01	0.00E+00	4.35E-01	0.00E+00	0.00E+00	2.63E-01	1.54E-07	2.92E-03	3.03E-02	0.00E+00	0.00E+00	5.84E-12	1.46E-10	8.45E-04	0.00E+00	0.00E+00	0.00E+00	3.33E-05	1.31E-02	5.57E+00	0.00E+00	5.26E-10	5.96E-08	8.07E-03	8.72E-06	6.75E-03	0.00E+00	5.57E+00	1.58E-08	5.57E+00	5.73E+00	6.75E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-03
HNA063H	1.16E-03	1.74E-01	0.00E+00	1.74E-01	0.00E+00	0.00E+00	1.13E-01	6.41E-08	5.40E-04	5.89E-03	0.00E+00	0.00E+00	3.07E-12	6.00E-11	4.25E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-05	6.21E-03	2.44E+00	0.00E+00	2.72E-10	9.51E-09	1.50E-03	4.43E-06	3.33E-03	0.00E+00	2.44E+00	6.75E-09	2.44E+00	2.40E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-04
HNA063M	1.12E-03	1.76E-01	0.00E+00	1.76E-01	0.00E+00	0.00E+00	1.14E-01	6.58E-08	5.11E-04	5.66E-03	0.00E+00	0.00E+00	3.11E-12	6.05E-11	4.31E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	6.24E-03	2.46E+00	0.00E+00	2.76E-10	8.83E-09	1.41E-03	4.64E-06	3.38E-03	0.00E+00	2.46E+00	6.90E-09	2.46E+00	2.47E+00	3.38E-03	0.00E+00	0.00E+00	0.00E+00	6.83E-04
HNA063U	9.60E-03	2.81E-01	0.00E+00	2.81E-01	0.00E+00	0.00E+00	1.73E-01	1.03E-07	2.50E-03	2.68E-02	0.00E+00	0.00E+00	4.45E-12	9.82E-11	6.35E-04	0.00E+00	0.00E+00	0.00E+00	2.38E-05	9.32E-03	3.67E+00	0.00E+00	3.93E-10	5.13E-08	6.26E-03	6.43E-06	4.75E-03	0.00E+00	3.67E+00	1.02E-08	3.67E+00	3.89E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.72E-04
HNA063Z	9.62E-03	2.88E-01	0.00E+00	2.88E-01	0.00E+00	0.00E+00	1.75E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.83E-11	6.43E-04	0.00E+00	0.00E+00	0.00E+00	2.40E-05	9.31E-03	3.67E+00	0.00E+00	3.93E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.67E+00	1.02E-08	3.67E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.81E-04
HNA064H	1.57E-03	2.42E-01	0.00E+00	2.42E-01	0.00E+00	0.00E+00	1.59E-01	9.08E-08	7.41E-04	8.11E-03	0.00E+00	0.00E+00	4.31E-12	8.36E-11	5.94E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.53E-03	3.42E+00	0.00E+00	3.75E-10	1.30E-08	2.06E-03	6.09E-06	4.56E-03	0.00E+00	3.42E+00	9.61E-09	3.42E+00	3.42E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-04
HNA064M	1.57E-03	2.36E-01	0.00E+00	2.36E-01	0.00E+00	0.00E+00	1.56E-01	8.94E-08	7.34E-04	8.08E-03	0.00E+00	0.00E+00	4.24E-12	8.14E-11	5.83E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-05	8.42E-03	3.34E+00	0.00E+00	3.70E-10	1.29E-08	2.05E-03	6.15E-06	4.52E-03	0.00E+00	3.34E+00	9.51E-09	3.34E+00	3.35E+00	4.52E-03	0.00E+00	0.00E+00	0.00E+00	9.14E-04
HNA064U	1.03E-02	4.31E-01	0.00E+00	4.31E-01	0.00E+00	0.00E+00	2.65E-01	1.56E-07	2.89E-03	3.01E-02	0.00E+00	0.00E+00	6.25E-12	1.48E-10	8.89E-04	0.00E+00	0.00E+00	0.00E+00	3.42E-05	1.35E-02	5.66E+00	0.00E+00	5.61E-10	5.95E-08	8.01E-03	9.37E-06	7.01E-03	0.00E+00	5.66E+00	1.59E-08	5.66E+00	5.79E+00	7.01E-03	0.00E+00	0.00E+00	0.00E+00	1.43E-03
HNA064Z	1.03E-02	4.44E-01	0.00E+00	4.44E-01	0.00E+00	0.00E+00	2.75E-01	1.60E-07	2.93E-03	3.04E-02	0.00E+00	0.00E+00	6.60E-12	1.49E-10	9.31E-04	0.00E+00	0.00E+00	0.00E+00	3.59E-05	1.41E-02	5.85E+00	0.00E+00	5.85E-10	5.99E-08	8.10E-03	9.77E-06	7.33E-03	0.00E+00	5.85E+00	1.65E-08	5.85E+00	5.96E+00	7.33E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-03
HNA080H	1.16E-03	1.74E-01	0.00E+00	1.74E-01	0.00E+00	0.00E+00	1.13E-01	6.42E-08	5.40E-04	5.89E-03	0.00E+00	0.00E+00	3.07E-12	6.00E-11	4.25E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-05	6.21E-03	2.44E+00	0.00E+00	2.72E-10	9.51E-09	1.50E-03	4.43E-06	3.33E-03	0.00E+00	2.44E+00	6.75E-09	2.44E+00	2.40E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-04
HNA080M	1.12E-03	1.69E-01	0.00E+00	1.69E-01	0.00E+00	0.00E+00	1.10E-01	6.26E-08	5.09E-04	5.64E-03	0.00E+00	0.00E+00	2.95E-12	5.82E-11	4.11E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-05	6.04E-03	2.36E+00	0.00E+00	2.64E-10	8.82E-09	1.41E-03	4.41E-06	3.24E-03	0.00E+00	2.36E+00	6.56E-09	2.36E+00	2.34E+00	3.24E-03	0.00E+00	0.00E+00	0.00E+00	6.56E-04
HNA080U	1.16E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	6.86E-08	5.42E-04	5.96E-03	0.00E+00	0.00E+00	3.22E-12	6.22E-11	4.46E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.42E-03	2.55E+00	0.00E+00	2.80E-10	9.46E-09	1.51E-03	4.57E-06	3.42E-03	0.00E+00	2.55E+00	7.19E-09	2.55E+00	2.56E+00	3.42E-03	0.00E+00	0.00E+00	0.00E+00	6.97E-04
HNA080Z	9.62E-03	2.86E-01	0.00E+00	2.86E-01	0.00E+00	0.00E+00	1.70E-01	1.03E-07	2.53E-03	2.70E-02	0.00E+00	0.00E+00	4.49E-12	9.66E-11	6.30E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-05	9.31E-03	3.60E+00	0.00E+00	3.93E-10	5.15E-08	6.31E-03	6.42E-06	4.75E-03	0.00E+00	3.60E+00	1.01E-08	3.60E+00	3.82E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.71E-04
HNA081H	1.57E-03	2.42E-01	0.00E+00	2.42E-01	0.00E+00	0.00E+00	1.59E-01	9.08E-08	7.41E-04	8.11E-03	0.00E+00	0.00E+00	4.31E-12	8.36E-11	5.94E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.53E-03	3.42E+00	0.00E+00	3.75E-10	1.30E-08	2.06E-03	6.09E-06	4.56E-03	0.00E+00	3.42E+00	9.61E-09	3.42E+00	3.42E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-04
HNA081M	1.57E-03	2.36E-01	0.00E+00	2.36E-01	0.00E+00	0.00E+00	1.56E-01	8.94E-08	7.34E-04	8.08E-03	0.00E+00	0.00E+00	4.24E-12	8.14E-11	5.84E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-05	8.42E-03	3.34E+00	0.00E+00	3.70E-10	1.29E-08	2.05E-03	6.15E-06	4.52E-03	0.00E+00	3.34E+00	9.51E-09	3.34E+00	3.35E+00	4.52E-03	0.00E+00	0.00E+00	0.00E+00	9.14E-04
HNA081U	1.03E-02	4.23E-01	0.00E+00	4.23E-01	0.00E+00	0.00E+00	2.57E-01	1.51E-07	2.89E-03	3.00E-02	0.00E+00	0.00E+00	5.73E-12	1.45E-10	8.28E-04	0.00E+00	0.00E+00	0.00E+00	3.25E-05	1.28E-02	5.47E+00	0.00E+00	5.20E-10	5.93E-08	8.01E-03	8.65E-06	6.64E-03	0.00E+00	5.47E+00	1.54E-08	5.47E+00	5.63E+00	6.64E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03

HNA081Z	1.03E-02	4.31E-01	0.00E+00	4.31E-01	0.00E+00	0.00E+00	2.58E-01	1.53E-07	2.92E-03	3.03E-02	0.00E+00	0.00E+00	5.82E-12	1.45E-10	8.30E-04	0.00E+00	0.00E+00	0.00E+00	3.27E-05	1.30E-02	5.49E+00	0.00E+00	5.24E-10	5.97E-08	8.07E-03	8.72E-06	6.72E-03	0.00E+00	5.49E+00	1.56E-08	5.49E+00	5.69E+00	6.72E-03	0.00E+00	0.00E+00	0.00E+00	1.37E-03
HNA100H	1.15E-03	1.72E-01	0.00E+00	1.72E-01	0.00E+00	0.00E+00	1.12E-01	6.33E-08	5.33E-04	5.83E-03	0.00E+00	0.00E+00	3.04E-12	5.92E-11	4.21E-04	0.00E+00	0.00E+00	0.00E+00	1.49E-05	6.14E-03	2.42E+00	0.00E+00	2.69E-10	9.43E-09	1.49E-03	4.36E-06	3.29E-03	0.00E+00	2.42E+00	6.67E-09	2.42E+00	2.37E+00	3.29E-03	0.00E+00	0.00E+00	0.00E+00	6.60E-04
HNA100M	1.17E-03	1.87E-01	0.00E+00	1.87E-01	0.00E+00	0.00E+00	1.22E-01	7.05E-08	5.42E-04	6.00E-03	0.00E+00	0.00E+00	3.26E-12	6.37E-11	4.55E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.58E-03	2.60E+00	0.00E+00	2.88E-10	9.19E-09	1.48E-03	4.76E-06	3.51E-03	0.00E+00	2.60E+00	7.39E-09	2.60E+00	2.62E+00	3.51E-03	0.00E+00	0.00E+00	0.00E+00	7.20E-04
HNA100U	9.55E-03	2.78E-01	0.00E+00	2.78E-01	0.00E+00	0.00E+00	1.68E-01	1.03E-07	2.49E-03	2.68E-02	0.00E+00	0.00E+00	4.41E-12	9.63E-11	6.17E-04	0.00E+00	0.00E+00	0.00E+00	2.31E-05	9.26E-03	3.59E+00	0.00E+00	3.90E-10	5.07E-08	6.26E-03	6.39E-06	4.72E-03	0.00E+00	3.59E+00	1.00E-08	3.59E+00	3.81E+00	4.72E-03	0.00E+00	0.00E+00	0.00E+00	9.55E-04
HNA100Z	9.52E-03	2.85E-01	0.00E+00	2.85E-01	0.00E+00	0.00E+00	1.69E-01	1.02E-07	2.51E-03	2.69E-02	0.00E+00	0.00E+00	4.40E-12	9.63E-11	6.19E-04	0.00E+00	0.00E+00	0.00E+00	2.32E-05	9.20E-03	3.57E+00	0.00E+00	3.86E-10	5.07E-08	6.28E-03	6.33E-06	4.68E-03	0.00E+00	3.57E+00	1.00E-08	3.57E+00	3.78E+00	4.68E-03	0.00E+00	0.00E+00	0.00E+00	9.57E-04
HNA101H	1.59E-03	2.45E-01	0.00E+00	2.45E-01	0.00E+00	0.00E+00	1.62E-01	9.21E-08	7.47E-04	8.19E-03	0.00E+00	0.00E+00	4.33E-12	8.39E-11	5.98E-04	0.00E+00	0.00E+00	0.00E+00	2.17E-05	8.65E-03	3.44E+00	0.00E+00	3.77E-10	1.30E-08	2.07E-03	6.13E-06	4.58E-03	0.00E+00	3.44E+00	9.69E-09	3.44E+00	3.44E+00	4.58E-03	0.00E+00	0.00E+00	0.00E+00	9.33E-04
HNA101M	1.57E-03	2.36E-01	0.00E+00	2.36E-01	0.00E+00	0.00E+00	1.56E-01	8.94E-08	7.34E-04	8.08E-03	0.00E+00	0.00E+00	4.24E-12	8.14E-11	5.84E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-05	8.42E-03	3.34E+00	0.00E+00	3.70E-10	1.29E-08	2.05E-03	6.15E-06	4.52E-03	0.00E+00	3.34E+00	9.51E-09	3.34E+00	3.35E+00	4.52E-03	0.00E+00	0.00E+00	0.00E+00	9.14E-04
HNA101U	1.02E-02	4.20E-01	0.00E+00	4.20E-01	0.00E+00	0.00E+00	2.53E-01	1.51E-07	2.88E-03	3.00E-02	0.00E+00	0.00E+00	5.71E-12	1.44E-10	8.14E-04	0.00E+00	0.00E+00	0.00E+00	3.19E-05	1.28E-02	5.41E+00	0.00E+00	5.18E-10	5.87E-08	8.01E-03	8.63E-06	6.62E-03	0.00E+00	5.41E+00	1.53E-08	5.41E+00	5.59E+00	6.62E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-03
HNA101Z	1.02E-02	4.28E-01	0.00E+00	4.28E-01	0.00E+00	0.00E+00	2.53E-01	1.50E-07	2.89E-03	3.00E-02	0.00E+00	0.00E+00	5.71E-12	1.44E-10	8.17E-04	0.00E+00	0.00E+00	0.00E+00	3.19E-05	1.27E-02	5.37E+00	0.00E+00	5.14E-10	5.85E-08	8.02E-03	8.59E-06	6.57E-03	0.00E+00	5.37E+00	1.52E-08	5.37E+00	5.55E+00	6.57E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-03
HNA125H	1.16E-03	1.73E-01	0.00E+00	1.73E-01	0.00E+00	0.00E+00	1.13E-01	6.41E-08	5.38E-04	5.88E-03	0.00E+00	0.00E+00	3.06E-12	6.00E-11	4.25E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-05	6.21E-03	2.44E+00	0.00E+00	2.72E-10	9.49E-09	1.50E-03	4.44E-06	3.33E-03	0.00E+00	2.44E+00	6.75E-09	2.44E+00	2.40E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-04
HNA125M	1.27E-03	1.69E-01	0.00E+00	1.69E-01	0.00E+00	0.00E+00	1.10E-01	6.25E-08	5.09E-04	5.64E-03	0.00E+00	0.00E+00	2.95E-12	5.82E-11	4.11E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-05	6.04E-03	2.36E+00	0.00E+00	2.64E-10	8.82E-09	1.41E-03	4.41E-06	3.24E-03	0.00E+00	2.36E+00	6.57E-09	2.36E+00	2.34E+00	3.24E-03	0.00E+00	0.00E+00	0.00E+00	6.56E-04
HNA125U	9.66E-03	2.81E-01	0.00E+00	2.81E-01	0.00E+00	0.00E+00	1.69E-01	1.03E-07	2.38E-03	2.56E-02	0.00E+00	0.00E+00	4.47E-12	9.69E-11	6.25E-04	0.00E+00	0.00E+00	0.00E+00	2.34E-05	9.36E-03	3.61E+00	0.00E+00	3.95E-10	5.08E-08	5.96E-03	6.45E-06	4.77E-03	0.00E+00	3.61E+00	1.01E-08	3.61E+00	3.83E+00	4.77E-03	0.00E+00	0.00E+00	0.00E+00	9.67E-04
HNA125Z	9.63E-03	2.87E-01	0.00E+00	2.87E-01	0.00E+00	0.00E+00	1.70E-01	1.04E-07	2.45E-03	2.61E-02	0.00E+00	0.00E+00	4.51E-12	9.70E-11	6.32E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-05	9.34E-03	3.60E+00	0.00E+00	3.95E-10	5.07E-08	6.09E-03	6.43E-06	4.76E-03	0.00E+00	3.60E+00	1.02E-08	3.60E+00	3.82E+00	4.76E-03	0.00E+00	0.00E+00	0.00E+00	9.75E-04
HNA126H	1.73E-03	3.11E-01	0.00E+00	3.11E-01	0.00E+00	0.00E+00	2.06E-01	1.14E-07	7.56E-04	8.46E-03	0.00E+00	0.00E+00	5.89E-12	1.10E-10	7.79E-04	0.00E+00	0.00E+00	0.00E+00	2.83E-05	1.21E-02	4.18E+00	0.00E+00	5.41E-10	1.32E-08	2.09E-03	6.92E-06	6.12E-03	0.00E+00	4.18E+00	1.29E-08	4.18E+00	3.91E+00	6.12E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-03
HNA126M	1.57E-03	2.36E-01	0.00E+00	2.36E-01	0.00E+00	0.00E+00	1.56E-01	8.94E-08	7.34E-04	8.08E-03	0.00E+00	0.00E+00	4.24E-12	8.14E-11	5.83E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-05	8.42E-03	3.34E+00	0.00E+00	3.70E-10	1.29E-08	2.05E-03	6.15E-06	4.52E-03	0.00E+00	3.34E+00	9.51E-09	3.34E+00	3.35E+00	4.52E-03	0.00E+00	0.00E+00	0.00E+00	9.14E-04
HNA126U	1.04E-02	4.31E-01	0.00E+00	4.31E-01	0.00E+00	0.00E+00	2.63E-01	1.57E-07	2.78E-03	2.89E-02	0.00E+00	0.00E+00	6.32E-12	1.46E-10	8.85E-04	0.00E+00	0.00E+00	0.00E+00	3.40E-05	1.36E-02	5.63E+00	0.00E+00	5.67E-10	5.90E-08	7.72E-03	9.52E-06	7.08E-03	0.00E+00	5.63E+00	1.59E-08	5.63E+00	5.78E+00	7.08E-03	0.00E+00	0.00E+00	0.00E+00	1.43E-03
HNA126Z	1.03E-02	4.37E-01	0.00E+00	4.37E-01	0.00E+00	0.00E+00	2.63E-01	1.57E-07	2.84E-03	2.93E-02	0.00E+00	0.00E+00	6.30E-12	1.47E-10	8.86E-04	0.00E+00	0.00E+00	0.00E+00	3.40E-05	1.35E-02	5.60E+00	0.00E+00	5.62E-10	5.89E-08	7.84E-03	9.37E-06	7.02E-03	0.00E+00	5.60E+00	1.59E-08	5.60E+00	5.75E+00	7.02E-03	0.00E+00	0.00E+00	0.00E+00	1.43E-03
HNA160H	1.21E-03	1.91E-01	0.00E+00	1.91E-01	0.00E+00	0.00E+00	1.26E-01	7.22E-08	5.70E-04	6.26E-03	0.00E+00	0.00E+00	3.38E-12	6.56E-11	4.69E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-05	6.76E-03	2.69E+00	0.00E+00	2.96E-10	9.87E-09	1.57E-03	4.80E-06	3.59E-03	0.00E+00	2.69E+00	7.58E-09	2.69E+00	2.70E+00	3.59E-03	0.00E+00	0.00E+00	0.00E+00	7.34E-04
HNA160M	1.12E-03	1.76E-01	0.00E+00	1.76E-01	0.00E+00	0.00E+00	1.14E-01	6.57E-08	5.11E-04	5.67E-03	0.00E+00	0.00E+00	3.11E-12	6.05E-11	4.30E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	6.24E-03	2.46E+00	0.00E+00	2.76E-10	8.83E-09	1.41E-03	4.65E-06	3.37E-03	0.00E+00	2.46E+00	6.91E-09	2.46E+00	2.47E+00	3.37E-03	0.00E+00	0.00E+00	0.00E+00	6.84E-04
HNA160U	9.64E-03	2.79E-01	0.00E+00	2.79E-01	0.00E+00	0.00E+00	1.68E-01	1.02E-07	2.42E-03	2.60E-02	0.00E+00	0.00E+00	4.37E-12	9.66E-11	6.14E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-05	9.25E-03	3.58E+00	0.00E+00	3.88E-10	5.08E-08	6.09E-03	6.36E-06	4.71E-03	0.00E+00	3.58E+00	9.99E-09	3.58E+00	3.81E+00	4.71E-03	0.00E+00	0.00E+00	0.00E+00	9.53E-04
HNA160Z	9.62E-03	2.86E-01	0.00E+00	2.86E-01	0.00E+00	0.00E+00	1.69E-01	1.02E-07	2.44E-03	2.61E-02	0.00E+00	0.00E+00	4.41E-12	9.67E-11	6.22E-04	0.00E+00	0.00E+00	0.00E+00	2.32E-05	9.24E-03	3.58E+00	0.00E+00	3.88E-10	5.07E-08	6.12E-03	6.35E-06	4.70E-03	0.00E+00	3.58E+00	1.01E-08	3.58E+00	3.80E+00	4.70E-03	0.00E+00	0.00E+00	0.00E+00	9.62E-04
HNA161H	1.59E-03	2.51E-01	0.00E+00	2.51E-01	0.00E+00	0.00E+00	1.65E-01	9.44E-08	7.47E-04	8.19E-03	0.00E+00	0.00E+00	4.42E-12	8.55E-11	6.13E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-05	8.83E-03	3.51E+00	0.00E+00	3.86E-10	1.30E-08	2.07E-03	6.29E-06	4.68E-03	0.00E+00	3.51E+00	9.90E-09	3.51E+00	3.51E+00	4.68E-03	0.00E+00	0.00E+00	0.00E+00	9.55E-04
HNA161M	1.70E-03	2.14E-01	0.00E+00	2.14E-01	0.00E+00	0.00E+00	1.45E-01	8.10E-08	7.25E-04	8.00E-03	0.00E+00	0.00E+00	3.93E-12	7.55E-11	5.39E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.84E-03	3.09E+00	0.00E+00	3.47E-10	1.29E-08	2.05E-03	5.83E-06	4.25E-03	0.00E+00	3.09E+00	8.66E-09	3.09E+00	3.02E+00	4.25E-03	0.00E+00	0.00E+00	0.00E+00	8.49E-04
HNA161U	1.03E-02	4.29E-01	0.00E+00	4.29E-01	0.00E+00	0.00E+00	2.60E-01	1.56E-07	2.81E-03	2.92E-02	0.00E+00	0.00E+00	6.23E-12	1.46E-10	8.74E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-05	1.34E-02	5.57E+00	0.00E+00	5.58E-10	5.88E-08	7.83E-03	9.36E-06	6.97E-03	0.00E+00	5.57E+00	1.57E-08	5.57E+00	5.74E+00	6.97E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-03
HNA161Z	1.34E-03	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.41E-01	8.16E-08	6.24E-04	6.80E-03	0.00E+00	0.00E+00	3.79E-12	7.34E-11	5.26E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.62E-03	3.02E+00	0.00E+00	3.31E-10	1.09E-08	1.73E-03	5.41E-06	4.04E-03	0.00E+00	3.02E+00	8.58E-09	3.02E+00	3.03E+00	4.04E-03	0.00E+00	0.00E+00	0.00E+00	8.19E-04
HNB100H	1.76E-03	2.77E-01	0.00E+00	2.77E-01	0.00E+00	0.00E+00	1.82E-01	1.04E-07	8.24E-04	9.04E-03	0.00E+00	0.00E+00	4.88E-12	9.43E-11	6.76E-04	0.00E+00	0.00E+00	0.00E+00	2.45E-05	9.74E-03	3.87E+00	0.00E+00	4.25E-10	1.43E-08	2.28E-03	6.94E-06	5.17E-03	0.00E+00	3.87E+00	1.09E-08	3.87E+00	3.88E+00	5.17E-03	0.00E+00	0.00E+00	0.00E+00	1.05E-03
HNB100U	1.89E-03	3.37E-01	0.00E+00	3.37E-01	0.00E+00	0.00E+00	2.21E-01	1.23E-07	8.34E-04	9.30E-03	0.00E+00	0.00E+00	6.31E-12	1.19E-10	8.45E-04	0.00E+00	0.00E+00	0.00E+00	3.04E-05	1.30E-02	4.51E+00	0.00E+00	5.77E-10	1.43E-08	2.30E-03	7.50E-06	6.60E-03	0.00E+00	4.51E+00	1.39E-08	4.51E+00	4.26E+00	6.60E-03	0.00E+00	0.00E+00	0.00E+00	1.49E-03
HNB100Z	1.59E-02	4.91E-01	0.00E+00	4.91E-01	0.00E+00	0.00E+00	2.93E-01	1.67E-07	3.85E-03	4.23E-02	0.00E+00	0.00E+00	7.33E-12	1.60E-10	1.00E-03	0.00E+00	0.00E+00	0.00E+00	3.76E-05	1.48E-02	6.15E+00	0.00E+00	6.29E-10	8.66E-08	1.08E-02	1.05E-05	7.77E-03	0.00E+00	6.15E+00	1.77E-08	6.15E+00	6.11E+00	7.77E-03	0.00E+00	0.00E+00	0.00E+00	1.64E-03
HNB101H	2.36E-03	4.08E-01	0.00E+00	4.08E-01	0.00E+00	0.00E+00	2.68E-01	1.51E-07	1.07E-03	1.18E-02	0.00E+00	0.00E+00	7.52E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	1.54E-02	5.54E+00	0.00E+00	6.82E-10	1.84E-08	2.99E-03	9.40E-06	7.87E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.30E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNB101U	2.36E-03	4.08E-01	0.00E+00	4.08E-01	0.00E+00	0.00E+00	2.68E-01	1.51E-07	1.07E-03	1.18E-02	0.00E+00	0.00E+00	7.52E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	1.54E-02	5.54E+00	0.00E+00	6.82E-10	1.84E-08	2.99E-03	9.40E-06	7.87E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.30E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNB101Z	2.09E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.73E-01	9.81E-08	9.30E-04	9.91E-03	0.00E+00	0.00E+00	4.73E-12	9.26E-11	6.52E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-05	9.35E-03	3.68E+00	0.00E+00	4.13E-10	1.56E-08	2.53E-03	6.58E-06	5.01E-03	0.00E+00	3.68E+00	1.04E-08	3.68E+00	3.58E+00	5.01E-03	0.00E+00	0.00E+00	0.00E+00	1.00E-03
HNB102H	2.36E-03	4.08E-01	0.00E+00	4.08E-01	0.00E+00	0.00E+00	2.68E-01	1.51E-07	1.07E-03	1.18E-02	0.00E+00	0.00E+00	7.52E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	1.54E-02	5.54E+00	0.00E+00	6.82E-10	1.84E-08	2.99E-03	9.40E-06	7.87E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.30E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNB125H	1.89E-03	3.36E-01	0.00E+00	3.36E-01	0.00E+00	0.00E+00	2.21E-01	1.23E-07	8.34E-04	9.30E-03	0.00E+00	0.00E+00	6.29E-12	1.19E-10	8.40E-04	0.00E+00	0.00E+00	0.00E+00	3.03E-05	1.29E-02	4.51E+00	0.00E+00	5.76E-10	1.43E-08	2.30E-03	7.50E-06	6.58E-03	0.00E+00	4.51E+00	1.38E-08	4.51E+00	4.24E+00	6.58E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-03
HNB125Z	1.86E-03	3.29E-01	0.00E+00	3.29E-01	0.00E+00	0.00E+00	2.16E-01	1.22E-07	8.30E-04	9.26E-03	0.00E+00	0.00E+00	6.10E-12	1.18E-10	8.21E-04	0.00E+00	0.00E+00	0.00E+00	2.96E-05	1.24E-02	4.41E+00	0.00E+00	5.65E-10	1.42E-08	2.29E-03	7.46E-06	6.49E-03	0.00E+00	4.41E+00	1.35E-08	4.41E+00	4.24E+00	6.49E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-03
HNB126H	2.26E-03	3.61E-01	0.00E+00	3.61E-01	0.00E+00	0.00E+00	2.38E-01	1.37E-07	1.07E-03	1.17E-02	0.00E+00	0.00E+00	6.38E-12	1.26E-10	8.85E-04	0.00E+00	0.00E+00	0.00E+00	3.21E-05	1.29E-02	5.05E+00	0.00E+00	5.59E-10	1.84E-08	2.99E-03	9.06E-06	6.76E-03	0.00E+00	5.05E+00	1.41E-08	5.05E+00	4.96E+00	6.76E-03	0.00E+00	0.00E+00	0.00E+00	1.39E-03
HNB126U	2.36E-03	4.08E-01	0.00E+00	4.08E-01	0.00E+00	0.00E+00	2.68E-01	1.51E-07	1.06E-03	1.18E-02	0.00E+00	0.00E+00	7.52E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	1.54E-02	5.54E+00	0.00E+00	6.81E-10	1.84E-08	2.94E-03	9.36E-06	7.86E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.29E+00	7.86E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNB126Z	2.25E-03	3.52E-01	0.00E+00	3.52E-01	0.00E+00	0.00E+00	2.25E-01	1.26E-07	1.01E-03	1.10E-02	0.00E+00	0.00E+00	6.41E-12	1.24E-10	8.58E-04	0.00E+00	0.00E+00	0.00E+00	3.08E-05	1.31E-02	4.59E+00	0.00E+00	5.86E-10	1.71E-08	2.75E-03	7.61E-06	6.66E-03	0.00E+00	4.59E+00	1.42E-08	4.59E+00	4.34E+00	6.66E-03	0.00E+00	0.00E+00	0.00E+00	1.51E-03
HNB127H	2.36E-03	4.08E-01	0.00E+00	4.08E-01	0.00E+00	0.00E+00	2.68E-01	1.51E-07	1.07E-03	1.18E-02	0.00E+00	0.00E+00	7.52E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	1.54E-02	5.54E+00	0.00E+00	6.82E-10	1.84E-08	2.99E-03	9.40E-06	7.87E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.30E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNB160H	1.76E-03	2.77E-01	0.00E+00	2.77E-01	0.00E+00	0.00E+00	1.82E-01	1.04E-07	8.24E-04	9.04E-03	0.00E+00	0.00E+00	4.88E-12	9.43E-11	6.76E-04	0.00E+00	0.00E+00	0.00E+00	2.45E-05	9.74E-03	3.87E+00	0.00E+00	4.25E-10	1.43E-08	2.28E-03	6.94E-06	5.17E-03	0.00E+00	3.87E+00	1.09E-08	3.87E+00	3.88E+00	5.17E-03	0.00E+00	0.00E+00	0.00E+00	1.05E-03
HNB160U	1.65E-02	4.74E-01	0.00E+00	4.74E-01	0.00E+00	0.00E+00	2.83E-01	1.63E-07	3.89E-03	4.26E-02	0.00E+00	0.00E+00	7.05E-12	1.57E-10	9.80E-04	0.00E+00	0.00E+00	0.00E+00	3.63E-05	1.45E-02	6.00E+00	0.00E+00	6.16E-10	8.68E-08	1.10E-02	1.01E-05	7.67E-03	0.00E+00	6.00E+00	1.69E-08	6.00E+00	6.00E+00	7.67E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-03
HNB160Z	1.86E-03	3.29E-01	0.00E+00	3.29E-01	0.00E+00	0.00E+00	2.16E-01	1.22E-07	8.30E-04	9.26E-03	0.00E+00	0.00E+00	6.10E-12	1.18E-10	8.21E-04	0.00E+00	0.00E+00	0.00E+00	2.96E-05	1.24E-02	4.40E+00	0.00E+00	5.65E-10	1.42E-08	2.29E-03	7.46E-06	6.49E-03	0.00E+00	4.40E+00	1.35E-08	4.40E+00	4.24E+00	6.49E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-03
HNB161H	2.36E-03	4.08E-01	0.00E+00	4.08E-01	0.00E+00	0.00E+00	2.68E-01	1.51E-07	1.07E-03	1.18E-02	0.00E+00	0.00E+00	7.52E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	1.54E-02	5.54E+00	0.00E+00	6.82E-10	1.84E-08	2.99E-03	9.40E-06	7.87E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.30E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNB161Z	2.24E-03	3.52E-01	0.00E+00	3.52E-01	0.00E+00	0.00E+00	2.25E-01	1.26E-07	1.01E-03	1.10E-02	0.00E+00	0.00E+00	6.41E-12	1.24E-10	8.58E-04	0.00E+00	0.00E+00	0.00E+00	3.08E-05	1.31E-02	4.59E+00	0.00E+00	5.86E-10	1.71E-08	2.75E-03	7.61E-06	6.66E-03	0.00E+00	4.59E+00	1.42E-08	4.59E+00	4.34E+00	6.66E-03	0.00E+00	0.00E+00	0.00E+00	1.51E-03
HNB162H	2.36E-03	4.08E-01	0.00E+00	4.08E-01	0.00E+00	0.00E+00	2.68E-01	1.51E-07	1.07E-03	1.18E-02	0.00E+00	0.00E+00	7.52E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	1.54E-02	5.54E+00	0.00E+00	6.82E-10	1.84E-08	2.99E-03	9.40E-06	7.87E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.30E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNB200H	1.76E-03	2.77E-01	0.00E+00	2.77E-01	0.00E+00	0.00E+00	1.82E-01	1.04E-07	8.25E-04	9.05E-03	0.00E+00	0.00E+00	4.88E-12	9.45E-11	6.77E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	9.75E-03	3.88E+00	0.00E+00	4.26E-10	1.43E-08	2.28E-03	6.95E-06	5.17E-03	0.00E+00	3.88E+00	1.09E-08	3.88E+00	3.88E+00	5.17E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HNB200U	1.80E-02	5.18E-01	0.00E+00	5.18E-01	0.00E+00	0.00E+00	3.09E-01	1.78E-07	4.25E-03	4.65E-02	0.00E+00	0.00E+00	7.70E-12	1.72E-10	1.07E-03	0.00E+00	0.00E+00	0.00E+00	3.96E-05	1.58E-02	6.55E+00	0.00E+00	6.73E-10	9.48E-08	1.20E-02	1.10E-05	8.37E-03	0.00E+00	6.55E+00	1.85E-08	6.55E+00	6.56E+00	8.37E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-03
HNB200Z	1.88E-03	3.35E-01	0.00E+00	3.35E-01	0.00E+00	0.00E+00	2.19E-01	1.23E-07	8.29E-04	9.23E-03	0.00E+00	0.00E+00	6.25E-12	1.18E-10	8.34E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-05	1.28E-02	4.47E+00	0.00E+00	5.73E-10	1.42E-08	2.28E-03	7.44E-06	6.53E-03	0.00E+00	4.47E+00	1.37E-08	4.47E+00	4.21E+00	6.53E-03	0.00E+00	0.00E+00	0.00E+00	1.47E-03
HNB201H	2.25E-03	3.55E-01	0.00E+00	3.55E-01	0.00E+00	0.00E+00	2.33E-01	1.33E-07	1.06E-03	1.16E-02	0.00E+00	0.00E+00	6.25E-12	1.21E-10	8.66E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-05	1.25E-02	4.96E+00	0.00E+00	5.45E-10	1.83E-08	2.92E-03	8.89E-06	6.62E-03	0.00E+00	4.96E+00	1.40E-08	4.96E+00	4.97E+00	6.62E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03
HNB201U	2.36E-03	4.08E-01	0.00E+00	4.08E-01	0.00E+00	0.00E+00	2.68E-01	1.51E-07	1.07E-03	1.18E-02	0.00E+00	0.00E+00	7.52E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	1.54E-02	5.54E+00	0.00E+00	6.82E-10	1.84E-08	2.99E-03	9.40E-06	7.87E-03	0.00E+00	5.54E+00	1.67E-08	5.54E+00	5.30E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNB201Z	2.24E-03	3.51E-01	0.00E+00	3.51E-01	0.00E+00	0.00E+00	2.25E-01	1.26E-07	1.01E-03	1.10E-02	0.00E+00	0.00E+00	6.39E-12	1.23E-10	8.56E-04	0.00E+00	0.00E+00	0.00E+00	3.07E-05	1.31E-02	4.57E+00	0.00E+00	5.84E-10	1.71E-08	2.75E-03	7.59E-06	6.64E-03	0.00E+00	4.57E+00	1.41E-08	4.57E+00	4.32E+00	6.64E-03	0.00E+00	0.00E+00	0.00E+00	1.51E-03
HNB202H	2.32E-03	3.58E-01	0.00E+00	3.58E-01	0.00E+00	0.00E+00	2.34E-01	1.34E-07	1.04E-03	1.13E-02	0.00E+00	0.00E+00	6.24E-12	1.21E-10	8.62E-04	0.00E+00	0.00E+00	0.00E+00	3.14E-05	1.25E-02	5.01E+00	0.00E+00	5.45E-10	1.76E-08	2.89E-03	8.90E-06	6.62E-03	0.00E+00	5.01E+00	1.41E-08	5.01E+00	4.93E+00	6.62E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03
HNB250H	1.74E-03	2.74E-01	0.00E+00	2.74E-01	0.00E+00	0.00E+00	1.80E-01	1.03E-07	8.16E-04	8.95E-03	0.00E+00	0.00E+00	4.83E-12	9.34E-11	6.69E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	9.65E-03	3.83E+00	0.00E+00	4.21E-10	1.42E-08	2.26E-03	6.87E-06	5.12E-03	0.00E+00	3.83E+00	1.08E-08	3.83E+00	3.84E+00	5.12E-03	0.00E+00	0.00E+00	0.00E+00	1.04E-03
HNB250U	1.66E-02	4.78E-01	0.00E+00	4.78E-01	0.00E+00	0.00E+00	2.85E-01	1.64E-07	3.92E-03	4.29E-02	0.00E+00	0.00E+00	7.10E-12	1.58E-10	9.87E-04	0.00E+00	0.00E+00	0.00E+00	3.66E-05	1.46E-02	6.04E+00	0.00E+00	6.21E-10	8.75E-08	1.10E-02	1.01E-05	7.73E-03	0.00E+00	6.04E+00	1.71E-08	6.04E+00	6.05E+00	7.73E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-03
HNB250Z	1.88E-03	3.35E-01	0.00E+00	3.35E-01	0.00E+00	0.00E+00	2.19E-01	1.22E-07	8.30E-04	9.25E-03	0.00E+00	0.00E+00	6.26E-12	1.19E-10	8.35E-04	0.00E+00	0.00E+00	0.00E+00	3.01E-05	1.28E-02	4.48E+00	0.00E+00	5.74E-10	1.42E-08	2.29E-03	7.46E-06	6.53E-03	0.00E+00	4.48E+00	1.37E-08	4.48E+00	4.22E+00	6.53E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-03
HNB251H	2.25E-03	3.55E-01	0.00E+00	3.55E-01	0.00E+00	0.00E+00	2.33E-01	1.33E-07	1.06E-03	1.16E-02	0.00E+00	0.00E+00	6.25E-12	1.21E-10	8.66E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-05	1.25E-02	4.96E+00	0.00E+00	5.45E-10	1.83E-08	2.92E-03	8.89E-06	6.62E-03	0.00E+00	4.96E+00	1.40E-08	4.96E+00	4.97E+00	6.62E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03
HNB251U	2.36E-03	4.08E-01	0.00E+00	4.08E-01	0.00E+00	0.00E+00	2.68E-01	1.50E-07	1.07E-03	1.19E-02	0.00E+00	0.00E+00	7.52E-12	1.43E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.67E-05	1.54E-02	5.55E+00	0.00E+00	6.82E-10	1.84E-08	3.00E-03	9.40E-06	7.87E-03	0.00E+00	5.55E+00	1.67E-08	5.55E+00	5.31E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNB251Z	2.10E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.73E-01	9.74E-08	9.31E-04	9.90E-03	0.00E+00	0.00E+00	4.71E-12	9.25E-11	6.51E-04	0.00E+00	0.00E+00	0.00E+00	2.29E-05	9.30E-03	3.66E+00	0.00E+00	4.12E-10	1.57E-08	2.53E-03	6.57E-06	4.99E-03	0.00E+00	3.66E+00	1.03E-08	3.66E+00	3.57E+00	4.99E-03	0.00E+00	0.00E+00	0.00E+00	9.95E-04
HNB252H	2.25E-03	3.55E-01	0.00E+00	3.55E-01	0.00E+00	0.00E+00	2.33E-01	1.33E-07	1.06E-03	1.16E-02	0.00E+00	0.00E+00	6.25E-12	1.21E-10	8.66E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-05	1.25E-02	4.96E+00	0.00E+00	5.45E-10	1.83E-08	2.92E-03	8.89E-06	6.62E-03	0.00E+00	4.96E+00	1.40E-08	4.96E+00	4.97E+00	6.62E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03
HNJ250DR	6.68E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.18E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.43E-08	8.84E-03	2.60E-05	1.95E-02	0.00E+00	1.46E+01	4.14E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
HNJ251DR	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.69E-03	4.05E-02	0.00E+00	0.00E+00	2.19E-11	4.26E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.74E+01	0.00E+00	1.91E-09	6.44E-08	1.03E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.93E-08	1.74E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
HNJ320BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.72E-01	3.86E-07	3.24E-03	3.56E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.62E-02	1.45E+01	0.00E+00	1.59E-09	5.51E-08	8.95E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.08E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HNJ320DR	6.68E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.18E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.24E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.43E-08	8.84E-03	2.60E-05	1.95E-02	0.00E+00	1.46E+01	4.14E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
HNJ321DR	7.94E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.69E-03	4.06E-02	0.00E+00	0.00E+00	2.19E-11	4.26E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.75E+01	0.00E+00	1.91E-09	6.46E-08	1.03E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.93E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
HNJ400DR	6.52E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.86E-07	3.05E-03	3.35E-02	0.00E+00	0.00E+00	1.81E-11	3.50E-10	2.51E-03	0.00E+00	0.00E+00	0.00E+00	9.10E-05	3.61E-02	1.44E+01	0.00E+00	1.58E-09	5.30E-08	8.45E-03	2.57E-05	1.92E-02	0.00E+00	1.44E+01	4.05E-08	1.44E+01	1.44E+01	1.92E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HNJ401DR	8.01E-03	1.26E+00	0.00E+00	1.26E+00	0.00E+00	0.00E+00	8.28E-01	4.74E-07	3.75E-03	4.12E-02	0.00E+00	0.00E+00	2.22E-11	4.30E-10	3.08E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-04	4.44E-02	1.76E+01	0.00E+00	1.94E-09	6.51E-08	1.04E-02	3.16E-05	2.35E-02	0.00E+00	1.76E+01	4.98E-08	1.76E+01	1.77E+01	2.35E-02	0.00E+00	0.00E+00	0.00E+00	4.80E-03
HNJ500BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.88E-07	3.20E-03	3.52E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.07E-05	3.63E-02	1.45E+01	0.00E+00	1.59E-09	5.52E-08	8.87E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.07E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.92E-03
HNJ630DE	6.52E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.86E-07	3.05E-03	3.35E-02	0.00E+00	0.00E+00	1.81E-11	3.50E-10	2.51E-03	0.00E+00	0.00E+00	0.00E+00	9.10E-05	3.61E-02	1.44E+01	0.00E+00	1.58E-09	5.30E-08	8.45E-03	2.57E-05	1.92E-02	0.00E+00	1.44E+01	4.05E-08	1.44E+01	1.44E+01	1.92E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HNJ631DE	8.01E-03	1.26E+00	0.00E+00	1.26E+00	0.00E+00	0.00E+00	8.28E-01	4.74E-07	3.75E-03	4.12E-02	0.00E+00	0.00E+00	2.22E-11	4.30E-10	3.08E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-04	4.44E-02	1.76E+01	0.00E+00	1.94E-09	6.51E-08	1.04E-02	3.16E-05	2.35E-02	0.00E+00	1.76E+01	4.98E-08	1.76E+01	1.77E+01	2.35E-02	0.00E+00	0.00E+00	0.00E+00	4.80E-03
HNS025BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HNS025BR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.58E-01	9.24E-08	3.05E-03	3.43E-02	0.00E+00	0.00E+00	4.12E-12	8.71E-11	5.60E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.61E-03	3.37E+00	0.00E+00	3.46E-10	6.83E-08	8.35E-03	6.02E-06	4.16E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.19E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HNS025DC	2.32E-03	2.33E-01	0.00E+00	2.33E-01	0.00E+00	0.00E+00	1.37E-01	8.36E-08	6.72E-04	7.71E-03	0.00E+00	0.00E+00	3.34E-12	7.63E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.41E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.59E-09	2.91E+00	2.94E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HNS025DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.05E-03	3.42E-02	0.00E+00	0.00E+00	4.09E-12	8.69E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.55E-03	3.34E+00	0.00E+00	3.44E-10	6.81E-08	8.36E-03	5.98E-06	4.14E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.16E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	9.11E-04
HNS026BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HNS026BR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.87E-08	8.54E-03	7.34E-06	5.01E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.01E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HNS026DC	2.88E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.70E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HNS026DR	1.24E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.13E-03	3.51E-02	0.00E+00	0.00E+00	4.90E-12	9.74E-11	6.67E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.87E-03	3.84E+00	0.00E+00	4.20E-10	6.91E-08	8.60E-03	7.16E-06	4.87E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.65E+00	4.87E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HNS040BC	2.30E-03	2.29E-01	0.00E+00	2.29E-01	0.00E+00	0.00E+00	1.35E-01	8.23E-08	6.62E-04	7.61E-03	0.00E+00	0.00E+00	3.29E-12	7.55E-11	4.74E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-05	7.31E-03	2.86E+00	0.00E+00	2.88E-10	1.56E-08	2.08E-03	4.50E-06	3.70E-03	0.00E+00	2.86E+00	8.44E-09	2.86E+00	2.87E+00	3.70E-03	0.00E+00	0.00E+00	0.00E+00	7.64E-04
HNS040BR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.58E-01	9.24E-08	3.05E-03	3.43E-02	0.00E+00	0.00E+00	4.12E-12	8.71E-11	5.60E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.61E-03	3.37E+00	0.00E+00	3.46E-10	6.83E-08	8.35E-03	6.02E-06	4.16E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.19E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HNS040DC	2.30E-03	2.29E-01	0.00E+00	2.29E-01	0.00E+00	0.00E+00	1.35E-01	8.23E-08	6.62E-04	7.61E-03	0.00E+00	0.00E+00	3.29E-12	7.55E-11	4.74E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-05	7.31E-03	2.86E+00	0.00E+00	2.88E-10	1.56E-08	2.08E-03	4.50E-06	3.70E-03	0.00E+00	2.86E+00	8.44E-09	2.86E+00	2.87E+00	3.70E-03	0.00E+00	0.00E+00	0.00E+00	7.64E-04
HNS040DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.18E-08	3.05E-03	3.42E-02	0.00E+00	0.00E+00	4.09E-12	8.69E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.55E-03	3.34E+00	0.00E+00	3.44E-10	6.81E-08	8.36E-03	5.98E-06	4.14E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.16E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	9.11E-04
HNS041BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HNS041BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.86E-08	8.53E-03	7.28E-06	4.94E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HNS041DC	2.88E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HNS041DR	1.24E-02	2.92E-01	0.00E+00	2.92E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.13E-03	3.51E-02	0.00E+00	0.00E+00	4.88E-12	9.72E-11	6.62E-04	0.00E+00	0.00E+00	0.00E+00	2.38E-05	9.81E-03	3.84E+00	0.00E+00	4.17E-10	6.91E-08	8.60E-03	7.14E-06	4.83E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.83E-03	0.00E+00	0.00E+00	0.00E+00	1.05E-03
HNS050BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04

HNS050BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HNS051BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HNS051BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.88E-08	8.53E-03	7.28E-06	4.95E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HNS063BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.54E-09	2.91E+00	2.92E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HNS063BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.46E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.72E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.20E-04
HNS063DC	2.32E-03	2.33E-01	0.00E+00	2.33E-01	0.00E+00	0.00E+00	1.37E-01	8.36E-08	6.72E-04	7.71E-03	0.00E+00	0.00E+00	3.34E-12	7.63E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.41E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.94E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HNS063DR	1.23E-02	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.04E-03	3.41E-02	0.00E+00	0.00E+00	4.09E-12	8.69E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.56E-03	3.34E+00	0.00E+00	3.44E-10	6.82E-08	8.37E-03	5.99E-06	4.15E-03	0.00E+00	3.34E+00	9.66E-09	3.34E+00	3.15E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	9.10E-04
HNS064BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HNS064BR	1.24E-02	3.00E-01	0.00E+00	3.00E-01	0.00E+00	0.00E+00	1.82E-01	1.06E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.06E-12	1.03E-10	6.88E-04	0.00E+00	0.00E+00	0.00E+00	2.46E-05	1.04E-02	3.90E+00	0.00E+00	4.33E-10	6.89E-08	8.54E-03	7.34E-06	5.02E-03	0.00E+00	3.90E+00	1.09E-08	3.90E+00	3.66E+00	5.02E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
HNS064DC	2.88E-03	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.63E-01	9.69E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.47E-12	9.22E-11	6.09E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	9.17E-03	3.37E+00	0.00E+00	3.76E-10	2.02E-08	2.96E-03	6.05E-06	4.68E-03	0.00E+00	3.37E+00	9.83E-09	3.37E+00	3.41E+00	4.68E-03	0.00E+00	0.00E+00	0.00E+00	9.60E-04
HNS064DR	1.25E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	4.91E-12	9.75E-11	6.68E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.89E-03	3.84E+00	0.00E+00	4.20E-10	6.92E-08	8.60E-03	7.17E-06	4.88E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HNS080BC	2.27E-03	2.24E-01	0.00E+00	2.24E-01	0.00E+00	0.00E+00	1.33E-01	8.12E-08	6.53E-04	7.51E-03	0.00E+00	0.00E+00	3.24E-12	7.49E-11	4.65E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-05	7.21E-03	2.81E+00	0.00E+00	2.84E-10	1.55E-08	2.08E-03	4.40E-06	3.67E-03	0.00E+00	2.81E+00	8.37E-09	2.81E+00	2.82E+00	3.67E-03	0.00E+00	0.00E+00	0.00E+00	7.50E-04
HNS080BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HNS080DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HNS080DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.04E-03	3.41E-02	0.00E+00	0.00E+00	4.09E-12	8.70E-11	5.57E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.56E-03	3.34E+00	0.00E+00	3.44E-10	6.82E-08	8.37E-03	5.99E-06	4.15E-03	0.00E+00	3.34E+00	9.67E-09	3.34E+00	3.16E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	9.12E-04
HNS081BC	2.88E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.48E-08	9.60E-04	1.11E-02	0.00E+00	0.00E+00	4.35E-12	8.64E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.84E-03	3.37E+00	0.00E+00	3.72E-10	2.06E-08	2.97E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.79E-09	3.37E+00	3.42E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.39E-04
HNS081BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.88E-08	8.53E-03	7.28E-06	4.95E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HNS081DC	2.88E-03	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.63E-01	9.69E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.47E-12	9.22E-11	6.09E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	9.17E-03	3.37E+00	0.00E+00	3.76E-10	2.02E-08	2.96E-03	6.05E-06	4.68E-03	0.00E+00	3.37E+00	9.86E-09	3.37E+00	3.41E+00	4.68E-03	0.00E+00	0.00E+00	0.00E+00	9.60E-04
HNS081DR	1.25E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	4.91E-12	9.75E-11	6.68E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.89E-03	3.84E+00	0.00E+00	4.20E-10	6.92E-08	8.60E-03	7.17E-06	4.88E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HNS100BC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.72E-04	7.74E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HNS100BR	1.23E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.04E-03	3.42E-02	0.00E+00	0.00E+00	4.13E-12	8.73E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.63E-03	3.37E+00	0.00E+00	3.47E-10	6.84E-08	8.36E-03	6.03E-06	4.17E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.17E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-04
HNS100DC	2.32E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.34E-08	6.72E-04	7.71E-03	0.00E+00	0.00E+00	3.34E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.40E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.12E-03	4.56E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HNS100DR	1.23E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.57E-01	9.20E-08	3.04E-03	3.41E-02	0.00E+00	0.00E+00	4.10E-12	8.70E-11	5.59E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.58E-03	3.35E+00	0.00E+00	3.45E-10	6.82E-08	8.37E-03	5.99E-06	4.16E-03	0.00E+00	3.35E+00	9.69E-09	3.35E+00	3.17E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.14E-04
HNS101BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HNS101BR	1.24E-02	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.10E-03	3.49E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.88E+00	0.00E+00	4.25E-10	6.88E-08	8.53E-03	7.28E-06	4.95E-03	0.00E+00	3.88E+00	1.08E-08	3.88E+00	3.62E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HNS101DC	2.88E-03	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.63E-01	9.69E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.47E-12	9.22E-11	6.09E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	9.17E-03	3.37E+00	0.00E+00	3.76E-10	2.02E-08	2.96E-03	6.05E-06	4.68E-03	0.00E+00	3.37E+00	9.86E-09	3.37E+00	3.41E+00	4.68E-03	0.00E+00	0.00E+00	0.00E+00	9.60E-04
HNS101DR	1.25E-02	2.95E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.12E-03	3.50E-02	0.00E+00	0.00E+00	4.91E-12	9.75E-11	6.68E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.89E-03	3.84E+00	0.00E+00	4.20E-10	6.92E-08	8.60E-03	7.17E-06	4.88E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.66E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HNS102DC	2.88E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.59E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.61E-11	6.03E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HNS125BC	2.27E-03	2.24E-01	0.00E+00	2.24E-01	0.00E+00	0.00E+00	1.34E-01	8.12E-08	6.49E-04	7.43E-03	0.00E+00	0.00E+00	3.24E-12	7.49E-11	4.65E-04	0.00E+00	0.00E+00	0.00E+00	1.72E-05	7.21E-03	2.81E+00	0.00E+00	2.84E-10	1.55E-08	2.07E-03	4.40E-06	3.67E-03	0.00E+00	2.81E+00	8.37E-09	2.81E+00	2.82E+00	3.67E-03	0.00E+00	0.00E+00	0.00E+00	7.50E-04
HNS125BR	1.22E-02	2.69E-01	0.00E+00	2.69E-01	0.00E+00	0.00E+00	1.58E-01	9.26E-08	3.00E-03	3.37E-02	0.00E+00	0.00E+00	4.13E-12	8.71E-11	5.61E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.62E-03	3.37E+00	0.00E+00	3.46E-10	6.80E-08	8.28E-03	6.03E-06	4.16E-03	0.00E+00	3.37E+00	9.73E-09	3.37E+00	3.20E+00	4.16E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-04
HNS125DC	2.31E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.33E-08	6.68E-04	7.64E-03	0.00E+00	0.00E+00	3.33E-12	7.61E-11	4.83E-04	0.00E+00	0.00E+00	0.00E+00	1.78E-05	7.39E-03	2.91E+00	0.00E+00	2.92E-10	1.59E-08	2.11E-03	4.57E-06	3.74E-03	0.00E+00	2.91E+00	8.56E-09	2.91E+00	2.93E+00	3.74E-03	0.00E+00	0.00E+00	0.00E+00	7.76E-04
HNS125DR	1.22E-02	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.56E-01	9.19E-08	3.00E-03	3.37E-02	0.00E+00	0.00E+00	4.09E-12	8.68E-11	5.55E-04	0.00E+00	0.00E+00	0.00E+00	2.05E-05	8.55E-03	3.34E+00	0.00E+00	3.44E-10	6.78E-08	8.30E-03	6.00E-06	4.15E-03	0.00E+00	3.34E+00	9.66E-09	3.34E+00	3.16E+00	4.15E-03	0.00E+00	0.00E+00	0.00E+00	9.12E-04
HNS126BC	2.87E-03	2.65E-01	0.00E+00	2.65E-01	0.00E+00	0.00E+00	1.59E-01	9.48E-08	9.56E-04	1.10E-02	0.00E+00	0.00E+00	4.34E-12	8.62E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.83E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.96E-03	5.86E-06	4.56E-03	0.00E+00	3.37E+00	9.79E-09	3.37E+00	3.42E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.39E-04
HNS126BR	1.23E-02	2.97E-01	0.00E+00	2.97E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.07E-03	3.43E-02	0.00E+00	0.00E+00	5.02E-12	1.01E-10	6.73E-04	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.03E-02	3.87E+00	0.00E+00	4.25E-10	6.84E-08	8.45E-03	7.28E-06	4.94E-03	0.00E+00	3.87E+00	1.08E-08	3.87E+00	3.61E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HNS126DC	2.87E-03	2.70E-01	0.00E+00	2.70E-01	0.00E+00	0.00E+00	1.64E-01	9.89E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.51E-12	9.21E-11	6.22E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-05	9.37E-03	3.44E+00	0.00E+00	3.84E-10	2.02E-08	2.95E-03	6.05E-06	4.72E-03	0.00E+00	3.44E+00	9.86E-09	3.44E+00	3.41E+00	4.72E-03	0.00E+00	0.00E+00	0.00E+00	9.80E-04
HNS126DR	1.24E-02	2.94E-01	0.00E+00	2.94E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.10E-03	3.46E-02	0.00E+00	0.00E+00	4.90E-12	9.74E-11	6.67E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.88E-03	3.84E+00	0.00E+00	4.20E-10	6.90E-08	8.55E-03	7.17E-06	4.87E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.65E+00	4.87E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HNS127DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.45E-08	9.55E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.60E-11	6.02E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-05	8.82E-03	3.37E+00	0.00E+00	3.71E-10	2.06E-08	2.95E-03	5.86E-06	4.57E-03	0.00E+00	3.37E+00	9.76E-09	3.37E+00	3.41E+00	4.57E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-04
HNS160BC	2.31E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.37E-01	8.34E-08	6.67E-04	7.60E-03	0.00E+00	0.00E+00	3.32E-12	7.63E-11	4.81E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	7.37E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.11E-03	4.56E-06	3.73E-03	0.00E+00	2.91E+00	8.57E-09	2.91E+00	2.94E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HNS160BR	1.21E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.58E-01	9.22E-08	2.98E-03	3.35E-02	0.00E+00	0.00E+00	4.10E-12	8.72E-11	5.59E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-05	8.60E-03	3.37E+00	0.00E+00	3.46E-10	6.73E-08	8.29E-03	6.04E-06	4.14E-03	0.00E+00	3.37E+00	9.70E-09	3.37E+00	3.22E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	9.17E-04
HNS160DC	2.31E-03	2.31E-01	0.00E+00	2.31E-01	0.00E+00	0.00E+00	1.37E-01	8.32E-08	6.67E-04	7.64E-03	0.00E+00	0.00E+00	3.32E-12	7.62E-11	4.82E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-05	7.36E-03	2.91E+00	0.00E+00	2.91E-10	1.59E-08	2.11E-03	4.56E-06	3.73E-03	0.00E+00	2.91E+00	8.55E-09	2.91E+00	2.94E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	7.74E-04
HNS160DR	1.21E-02	2.68E-01	0.00E+00	2.68E-01	0.00E+00	0.00E+00	1.56E-01	9.17E-08	2.98E-03	3.35E-02	0.00E+00	0.00E+00	4.07E-12	8.70E-11	5.54E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-05	8.54E-03	3.34E+00	0.00E+00	3.44E-10	6.72E-08	8.30E-03	6.00E-06	4.11E-03	0.00E+00	3.34E+00	9.65E-09	3.34E+00	3.17E+00	4.11E-03	0.00E+00	0.00E+00	0.00E+00	9.09E-04
HNS161BC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HNS161BR	1.23E-02	2.96E-01	0.00E+00	2.96E-01	0.00E+00	0.00E+00	1.80E-01	1.05E-07	3.05E-03	3.42E-02	0.00E+00	0.00E+00	5.01E-12	1.01E-10	6.71E-04	0.00E+00	0.00E+00	0.00E+00	2.42E-05	1.02E-02	3.87E+00	0.00E+00	4.25E-10	6.76E-08	8.46E-03	7.27E-06	4.94E-03	0.00E+00	3.87E+00	1.08E-08	3.87E+00	3.63E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
HNS161DC	2.87E-03	2.67E-01	0.00E+00	2.67E-01	0.00E+00	0.00E+00	1.62E-01	9.67E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.46E-12	9.20E-11	6.08E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	9.13E-03	3.36E+00	0.00E+00	3.75E-10	2.01E-08	2.95E-03	6.04E-06	4.67E-03	0.00E+00	3.36E+00	9.84E-09	3.36E+00	3.41E+00	4.67E-03	0.00E+00	0.00E+00	0.00E+00	9.57E-04
HNS161DR	1.24E-02	2.94E-01	0.00E+00	2.94E-01	0.00E+00	0.00E+00	1.76E-01	1.02E-07	3.07E-03	3.45E-02	0.00E+00	0.00E+00	4.89E-12	9.74E-11	6.66E-04	0.00E+00	0.00E+00	0.00E+00	2.39E-05	9.86E-03	3.84E+00	0.00E+00	4.20E-10	6.83E-08	8.57E-03	7.20E-06	4.86E-03	0.00E+00	3.84E+00	1.08E-08	3.84E+00	3.67E+00	4.86E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
HNS162DC	2.87E-03	2.64E-01	0.00E+00	2.64E-01	0.00E+00	0.00E+00	1.59E-01	9.43E-08	9.53E-04	1.09E-02	0.00E+00	0.00E+00	4.34E-12	8.59E-11	6.01E-04	0.00E+00	0.00E+00	0.00E+00	2.14E-05	8.79E-03	3.37E+00	0.00E+00	3.71E-10	2.05E-08	2.95E-03	5.85E-06	4.56E-03	0.00E+00	3.37E+00	9.74E-09	3.37E+00	3.41E+00	4.56E-03	0.00E+00	0.00E+00	0.00E+00	9.35E-04
HNT050DR	2.77E-03	4.26E-01	0.00E+00	4.26E-01	0.00E+00	0.00E+00	2.78E-01	1.64E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.25E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	1.51E-02	5.98E+00	0.00E+00	6.35E-10	2.40E-08	4.37E-03	1.03E-05	7.82E-03	0.00E+00	5.98E+00	1.66E-08	5.98E+00	5.84E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-03
HNT051DR	2.81E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.06E-01	1.75E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.38E-12	1.59E-10	1.14E-03	0.00E+00	0.00E+00	0.00E+00	4.21E-05	1.75E-02	6.41E+00	0.00E+00	7.51E-10	2.16E-08	3.59E-03	1.07E-05	8.89E-03	0.00E+00	6.41E+00	1.89E-08	6.41E+00	6.16E+00	8.89E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-03
HNT063DR	2.77E-03	4.26E-01	0.00E+00	4.26E-01	0.00E+00	0.00E+00	2.78E-01	1.64E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.25E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	1.51E-02	5.98E+00	0.00E+00	6.35E-10	2.40E-08	4.37E-03	1.03E-05	7.82E-03	0.00E+00	5.98E+00	1.66E-08	5.98E+00	5.84E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-03
HNT064DR	2.81E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.06E-01	1.75E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.38E-12	1.59E-10	1.14E-03	0.00E+00	0.00E+00	0.00E+00	4.21E-05	1.75E-02	6.41E+00	0.00E+00	7.51E-10	2.16E-08	3.59E-03	1.07E-05	8.89E-03	0.00E+00	6.41E+00	1.89E-08	6.41E+00	6.16E+00	8.89E-03	0.00E+00	0.00E+00	0.00E+00	1.96E-03
HNT100BR	1.32E-02	5.53E-01	0.00E+00	5.53E-01	0.00E+00	0.00E+00	3.54E-01	1.98E-07	3.49E-03	3.84E-02	0.00E+00	0.00E+00	9.23E-12	1.86E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.97E-02	7.41E+00	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.91E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
HNT100DR	1.32E-02	5.16E-01	0.00E+00	5.16E-01	0.00E+00	0.00E+00	3.25E-01	1.83E-07	3.50E-03	3.83E-02	0.00E+00	0.00E+00	8.16E-12	1.69E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.13E-05	1.74E-02	6.99E+00	0.00E+00	6.70E-10	7.30E-08	1.02E-02	1.21E-05	8.21E-03	0.00E+00	6.99E+00	1.90E-08	6.99E+00	6.60E+00	8.21E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-03
HNT101BR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HNT101DR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HNT102DR	2.80E-03	4.57E-01	0.00E+00	4.57E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.32E-12	1.57E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.16E-05	1.72E-02	6.36E+00	0.00E+00	7.40E-10	2.12E-08	3.57E-03	1.04E-05	8.77E-03	0.00E+00	6.36E+00	1.88E-08	6.36E+00	6.11E+00	8.77E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-03
HNT125BR	1.32E-02	5.53E-01	0.00E+00	5.53E-01	0.00E+00	0.00E+00	3.54E-01	1.98E-07	3.49E-03	3.84E-02	0.00E+00	0.00E+00	9.23E-12	1.86E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.58E-05	1.97E-02	7.41E+00	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.91E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
HNT125DR	1.32E-02	5.16E-01	0.00E+00	5.16E-01	0.00E+00	0.00E+00	3.25E-01	1.83E-07	3.50E-03	3.83E-02	0.00E+00	0.00E+00	8.16E-12	1.69E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.13E-05	1.74E-02	6.99E+00	0.00E+00	6.70E-10	7.30E-08	1.02E-02	1.21E-05	8.21E-03	0.00E+00	6.99E+00	1.90E-08	6.99E+00	6.60E+00	8.21E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-03
HNT126BR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HNT126DR	1.32E-02	5.60E-01	0.00E+00	5.60E-01	0.00E+00	0.00E+00	3.58E-01	1.99E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.89E-10	1.25E-03	0.00E+00	0.00E+00	0.00E+00	4.64E-05	2.02E-02	7.52E+00	0.00E+00	8.01E-10	7.26E-08	1.02E-02	1.26E-05	9.46E-03	0.00E+00	7.52E+00	2.13E-08	7.52E+00	6.93E+00	9.46E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03
HNT127DR	2.80E-03	4.57E-01	0.00E+00	4.57E-01	0.00E+00	0.00E+00	3.03E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.32E-12	1.57E-10	1.12E-03	0.00E+00	0.00E+00	0.00E+00	4.16E-05	1.72E-02	6.36E+00	0.00E+00	7.40E-10	2.12E-08	3.57E-03	1.04E-05	8.77E-03	0.00E+00	6.36E+00	1.88E-08	6.36E+00	6.11E+00	8.77E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-03
HNT160BR	1.31E-02	5.47E-01	0.00E+00	5.47E-01	0.00E+00	0.00E+00	3.49E-01	1.95E-07	3.45E-03	3.78E-02	0.00E+00	0.00E+00	9.12E-12	1.85E-10	1.21E-03	0.00E+00	0.00E+00	0.00E+00	4.51E-05	1.94E-02	7.30E+00	0.00E+00	7.81E-10	7.19E-08	1.00E-02	1.24E-05	9.20E-03	0.00E+00	7.30E+00	2.07E-08	7.30E+00	6.79E+00	9.20E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-03
HNT160DR	1.31E-02	5.10E-01	0.00E+00	5.10E-01	0.00E+00	0.00E+00	3.20E-01	1.81E-07	3.46E-03	3.77E-02	0.00E+00	0.00E+00	8.05E-12	1.67E-10	1.09E-03	0.00E+00	0.00E+00	0.00E+00	4.06E-05	1.71E-02	6.86E+00	0.00E+00	6.60E-10	7.26E-08	1.01E-02	1.19E-05	8.05E-03	0.00E+00	6.86E+00	1.86E-08	6.86E+00	6.47E+00	8.05E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-03
HNT161BR	1.31E-02	5.55E-01	0.00E+00	5.55E-01	0.00E+00	0.00E+00	3.53E-01	1.97E-07	3.45E-03	3.78E-02	0.00E+00	0.00E+00	9.32E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.99E-02	7.41E+00	0.00E+00	7.92E-10	7.21E-08	1.01E-02	1.24E-05	9.31E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.81E+00	9.31E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-03
HNT161DR	1.31E-02	5.55E-01	0.00E+00	5.55E-01	0.00E+00	0.00E+00	3.53E-01	1.97E-07	3.45E-03	3.78E-02	0.00E+00	0.00E+00	9.32E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.99E-02	7.41E+00	0.00E+00	7.92E-10	7.21E-08	1.01E-02	1.24E-05	9.31E-03	0.00E+00	7.41E+00	2.10E-08	7.41E+00	6.81E+00	9.31E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-03
HNT162DR	2.80E-03	4.55E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	2.98E-01	1.72E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.56E-10	1.11E-03	0.00E+00	0.00E+00	0.00E+00	4.11E-05	1.70E-02	6.25E+00	0.00E+00	7.33E-10	2.12E-08	3.58E-03	1.03E-05	8.63E-03	0.00E+00	6.25E+00	1.85E-08	6.25E+00	5.99E+00	8.63E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HNT200BR	1.31E-02	5.45E-01	0.00E+00	5.45E-01	0.00E+00	0.00E+00	3.49E-01	1.96E-07	3.47E-03	3.79E-02	0.00E+00	0.00E+00	9.12E-12	1.85E-10	1.21E-03	0.00E+00	0.00E+00	0.00E+00	4.51E-05	1.93E-02	7.28E+00	0.00E+00	7.81E-10	7.20E-08	1.01E-02	1.24E-05	9.22E-03	0.00E+00	7.28E+00	2.06E-08	7.28E+00	6.78E+00	9.22E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-03
HNT200DR	1.31E-02	5.10E-01	0.00E+00	5.10E-01	0.00E+00	0.00E+00	3.20E-01	1.81E-07	3.46E-03	3.78E-02	0.00E+00	0.00E+00	8.05E-12	1.67E-10	1.09E-03	0.00E+00	0.00E+00	0.00E+00	4.06E-05	1.71E-02	6.87E+00	0.00E+00	6.59E-10	7.18E-08	1.01E-02	1.20E-05	8.06E-03	0.00E+00	6.87E+00	1.86E-08	6.87E+00	6.47E+00	8.06E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-03
HNT201BR	1.31E-02	5.52E-01	0.00E+00	5.52E-01	0.00E+00	0.00E+00	3.53E-01	1.97E-07	3.47E-03	3.80E-02	0.00E+00	0.00E+00	9.32E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-05	1.98E-02	7.38E+00	0.00E+00	7.92E-10	7.22E-08	1.01E-02	1.24E-05	9.32E-03	0.00E+00	7.38E+00	2.09E-08	7.38E+00	6.80E+00	9.32E-03	0.00E+00	0.00E+00	0.00E+00	2.14E-03
HNT201DR	2.80E-03	4.55E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	3.00E-01	1.73E-07	1.22E-03	1.36E-02	0.00E+00	0.00E+00	8.28E-12	1.57E-10	1.13E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.72E-02	6.29E+00	0.00E+00	7.44E-10	2.14E-08	3.57E-03	1.05E-05	8.73E-03	0.00E+00	6.29E+00	1.86E-08	6.29E+00	6.01E+00	8.73E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
HNT202DR	2.79E-03	4.53E-01	0.00E+00	4.53E-01	0.00E+00	0.00E+00	2.97E-01	1.72E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.23E-12	1.56E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.09E-05	1.69E-02	6.24E+00	0.00E+00	7.32E-10	2.11E-08	3.54E-03	1.03E-05	8.61E-03	0.00E+00	6.24E+00	1.85E-08	6.24E+00	5.96E+00	8.61E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-03
HNT250BR	1.30E-02	5.48E-01	0.00E+00	5.48E-01	0.00E+00	0.00E+00	3.48E-01	1.94E-07	3.42E-03	3.76E-02	0.00E+00	0.00E+00	9.10E-12	1.84E-10	1.21E-03	0.00E+00	0.00E+00	0.00E+00	4.48E-05	1.94E-02	7.25E+00	0.00E+00	7.79E-10	7.10E-08	1.00E-02	1.24E-05	9.15E-03	0.00E+00	7.25E+00	2.05E-08	7.25E+00	6.76E+00	9.15E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-03
HNT250DR	2.13E-03	3.36E-01	0.00E+00	3.36E-01	0.00E+00	0.00E+00	2.20E-01	1.26E-07	9.99E-04	1.10E-02	0.00E+00	0.00E+00	5.91E-12	1.14E-10	8.20E-04	0.00E+00	0.00E+00	0.00E+00	2.98E-05	1.18E-02	4.69E+00	0.00E+00	5.16E-10	1.73E-08	2.76E-03	8.41E-06	6.26E-03	0.00E+00	4.69E+00	1.32E-08	4.69E+00	4.70E+00	6.26E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-03
HNT251BR	1.30E-02	5.56E-01	0.00E+00	5.56E-01	0.00E+00	0.00E+00	3.52E-01	1.96E-07	3.43E-03	3.77E-02	0.00E+00	0.00E+00	9.30E-12	1.87E-10	1.23E-03	0.00E+00	0.00E+00	0.00E+00	4.55E-05	1.99E-02	7.36E+00	0.00E+00	7.89E-10	7.13E-08	1.01E-02	1.24E-05	9.26E-03	0.00E+00	7.36E+00	2.09E-08	7.36E+00	6.79E+00	9.26E-03	0.00E+00	0.00E+00	0.00E+00	2.13E-03
HNT251DR	2.70E-03	4.26E-01	0.00E+00	4.26E-01	0.00E+00	0.00E+00	2.80E-01	1.60E-07	1.27E-03	1.39E-02	0.00E+00	0.00E+00	7.51E-12	1.45E-10	1.04E-03	0.00E+00	0.00E+00	0.00E+00	3.78E-05	1.50E-02	5.96E+00	0.00E+00	6.55E-10	2.20E-08	3.51E-03	1.07E-05	7.95E-03	0.00E+00	5.96E+00	1.68E-08	5.96E+00	5.97E+00	7.95E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-03
HNT252DR	2.81E-03	4.57E-01	0.00E+00	4.57E-01	0.00E+00	0.00E+00	2.97E-01	1.70E-07	1.22E-03	1.36E-02	0.00E+00	0.00E+00	8.22E-12	1.56E-10	1.10E-03	0.00E+00	0.00E+00	0.00E+00	4.07E-05	1.69E-02	6.20E+00	0.00E+00	7.30E-10	2.14E-08	3.61E-03	1.02E-05	8.58E-03	0.00E+00	6.20E+00	1.83E-08	6.20E+00	5.96E+00	8.58E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-03
HNW250DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HNW251DR	7.91E-03	1.24E+00	0.00E+00	1.24E+00	0.00E+00	0.00E+00	8.15E-01	4.67E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.19E-11	4.24E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.37E-02	1.74E+01	0.00E+00	1.91E-09	6.45E-08	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-03
HNW320BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.72E-01	3.86E-07	3.24E-03	3.56E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.62E-02	1.45E+01	0.00E+00	1.59E-09	5.51E-08	8.95E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.08E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
HNW320DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HNW321BR	7.65E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.80E-01	4.49E-07	3.61E-03	3.97E-02	0.00E+00	0.00E+00	2.12E-11	4.03E-10	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.05E-04	4.21E-02	1.68E+01	0.00E+00	1.86E-09	6.34E-08	9.98E-03	2.98E-05	2.24E-02	0.00E+00	1.68E+01	4.72E-08	1.68E+01	1.65E+01	2.24E-02	0.00E+00	0.00E+00	0.00E+00	4.57E-03
HNW321DR	7.92E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.15E-01	4.67E-07	3.67E-03	4.05E-02	0.00E+00	0.00E+00	2.19E-11	4.24E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.37E-02	1.74E+01	0.00E+00	1.91E-09	6.46E-08	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-03
HNW400DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.13E-03	3.44E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.45E-08	8.78E-03	2.61E-05	1.94E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
HNW401DR	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.48E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.92E-08	1.74E+01	1.74E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
HNW500BR	6.64E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.88E-07	3.20E-03	3.52E-02	0.00E+00	0.00E+00	1.84E-11	3.47E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.63E-02	1.45E+01	0.00E+00	1.59E-09	5.52E-08	8.87E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.07E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.92E-03
HNW501BR	7.66E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.84E-01	4.50E-07	3.59E-03	3.94E-02	0.00E+00	0.00E+00	2.13E-11	4.03E-10	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-04	4.22E-02	1.68E+01	0.00E+00	1.86E-09	6.34E-08	9.92E-03	2.99E-05	2.25E-02	0.00E+00	1.68E+01	4.72E-08	1.68E+01	1.65E+01	2.25E-02	0.00E+00	0.00E+00	0.00E+00	4.58E-03

	HPW250DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
	HPW251DR	7.91E-03	1.24E+00	0.00E+00	1.24E+00	0.00E+00	0.00E+00	8.15E-01	4.67E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.19E-11	4.24E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.37E-02	1.74E+01	0.00E+00	1.91E-09	6.45E-08	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-03
	HPW320BR	6.65E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.72E-01	3.86E-07	3.24E-03	3.56E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.62E-02	1.45E+01	0.00E+00	1.59E-09	5.51E-08	8.95E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.08E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03
	HPW320DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.82E-01	3.90E-07	3.16E-03	3.47E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.22E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.44E-08	8.82E-03	2.60E-05	1.94E-02	0.00E+00	1.46E+01	4.13E-08	1.46E+01	1.45E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
	HPW321BR	7.65E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.80E-01	4.49E-07	3.61E-03	3.97E-02	0.00E+00	0.00E+00	2.12E-11	4.03E-10	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.05E-04	4.21E-02	1.68E+01	0.00E+00	1.86E-09	6.34E-08	9.98E-03	2.98E-05	2.24E-02	0.00E+00	1.68E+01	4.72E-08	1.68E+01	1.65E+01	2.24E-02	0.00E+00	0.00E+00	0.00E+00	4.57E-03
	HPW321DR	7.90E-03	1.24E+00	0.00E+00	1.24E+00	0.00E+00	0.00E+00	8.14E-01	4.66E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.19E-11	4.23E-10	3.03E-03	0.00E+00	0.00E+00	0.00E+00	1.09E-04	4.36E-02	1.74E+01	0.00E+00	1.91E-09	6.44E-08	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.90E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.72E-03
	HPW400DR	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.83E-01	3.91E-07	3.13E-03	3.44E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.67E-02	1.46E+01	0.00E+00	1.59E-09	5.45E-08	8.78E-03	2.61E-05	1.94E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03
	HPW401DR	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.67E-03	4.04E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.48E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.92E-08	1.74E+01	1.74E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HPW500BR	6.64E-03	1.03E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	6.74E-01	3.88E-07	3.20E-03	3.52E-02	0.00E+00	0.00E+00	1.84E-11	3.47E-10	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.06E-05	3.63E-02	1.45E+01	0.00E+00	1.59E-09	5.52E-08	8.87E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.07E-08	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.92E-03
	HPW501BR	7.66E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.84E-01	4.50E-07	3.59E-03	3.94E-02	0.00E+00	0.00E+00	2.13E-11	4.03E-10	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-04	4.22E-02	1.68E+01	0.00E+00	1.86E-09	6.34E-08	9.92E-03	2.99E-05	2.25E-02	0.00E+00	1.68E+01	4.72E-08	1.68E+01	1.65E+01	2.25E-02	0.00E+00	0.00E+00	0.00E+00	4.58E-03
	HST050DR	2.76E-03	4.23E-01	0.00E+00	4.23E-01	0.00E+00	0.00E+00	2.73E-01	1.60E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.08E-12	1.41E-10	9.96E-04	0.00E+00	0.00E+00	0.00E+00	3.70E-05	1.47E-02	5.90E+00	0.00E+00	6.22E-10	2.43E-08	4.39E-03	1.01E-05	7.69E-03	0.00E+00	5.90E+00	1.65E-08	5.90E+00	5.83E+00	7.69E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-03
	HST051DR	2.81E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.06E-01	1.76E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.39E-12	1.60E-10	1.15E-03	0.00E+00	0.00E+00	0.00E+00	4.23E-05	1.75E-02	6.41E+00	0.00E+00	7.53E-10	2.16E-08	3.61E-03	1.07E-05	8.90E-03	0.00E+00	6.41E+00	1.90E-08	6.41E+00	6.18E+00	8.90E-03	0.00E+00	0.00E+00	0.00E+00	1.97E-03
	HST063DR	2.77E-03	4.26E-01	0.00E+00	4.26E-01	0.00E+00	0.00E+00	2.78E-01	1.64E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.25E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	1.51E-02	5.98E+00	0.00E+00	6.35E-10	2.40E-08	4.37E-03	1.03E-05	7.82E-03	0.00E+00	5.98E+00	1.66E-08	5.98E+00	5.84E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-03
	HST064DR	2.81E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.06E-01	1.76E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.39E-12	1.60E-10	1.15E-03	0.00E+00	0.00E+00	0.00E+00	4.23E-05	1.75E-02	6.41E+00	0.00E+00	7.53E-10	2.16E-08	3.61E-03	1.07E-05	8.90E-03	0.00E+00	6.41E+00	1.90E-08	6.41E+00	6.18E+00	8.90E-03	0.00E+00	0.00E+00	0.00E+00	1.97E-03
	HST100DR	2.77E-03	4.26E-01	0.00E+00	4.26E-01	0.00E+00	0.00E+00	2.78E-01	1.64E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.25E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	1.51E-02	5.98E+00	0.00E+00	6.35E-10	2.40E-08	4.37E-03	1.03E-05	7.82E-03	0.00E+00	5.98E+00	1.66E-08	5.98E+00	5.84E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-03
	HST101DR	2.81E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.06E-01	1.76E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.39E-12	1.60E-10	1.15E-03	0.00E+00	0.00E+00	0.00E+00	4.23E-05	1.75E-02	6.41E+00	0.00E+00	7.53E-10	2.16E-08	3.61E-03	1.07E-05	8.90E-03	0.00E+00	6.41E+00	1.90E-08	6.41E+00	6.18E+00	8.90E-03	0.00E+00	0.00E+00	0.00E+00	1.97E-03
	HST125DR	2.77E-03	4.26E-01	0.00E+00	4.26E-01	0.00E+00	0.00E+00	2.78E-01	1.64E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.25E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	1.51E-02	5.98E+00	0.00E+00	6.35E-10	2.40E-08	4.37E-03	1.03E-05	7.82E-03	0.00E+00	5.98E+00	1.66E-08	5.98E+00	5.84E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-03
	HST126DR	2.72E-03	4.16E-01	0.00E+00	4.16E-01	0.00E+00	0.00E+00	2.78E-01	1.64E-07	1.23E-03	1.35E-02	0.00E+00	0.00E+00	7.33E-12	1.44E-10	1.03E-03	0.00E+00	0.00E+00	0.00E+00	3.79E-05	1.53E-02	5.96E+00	0.00E+00	6.38E-10	2.16E-08	3.59E-03	1.04E-05	7.87E-03	0.00E+00	5.96E+00	1.67E-08	5.96E+00	5.85E+00	7.87E-03	0.00E+00	0.00E+00	0.00E+00	1.63E-03
	HST160DR	2.77E-03	4.23E-01	0.00E+00	4.23E-01	0.00E+00	0.00E+00	2.72E-01	1.61E-07	1.30E-03	1.35E-02	0.00E+00	0.00E+00	7.15E-12	1.44E-10	9.99E-04	0.00E+00	0.00E+00	0.00E+00	3.69E-05	1.48E-02	5.85E+00	0.00E+00	6.25E-10	2.40E-08	4.37E-03	1.02E-05	7.64E-03	0.00E+00	5.85E+00	1.62E-08	5.85E+00	5.70E+00	7.64E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-03
	HST161DR	2.81E-03	4.56E-01	0.00E+00	4.56E-01	0.00E+00	0.00E+00	3.01E-01	1.73E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.29E-12	1.57E-10	1.13E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.72E-02	6.29E+00	0.00E+00	7.44E-10	2.16E-08	3.59E-03	1.05E-05	8.74E-03	0.00E+00	6.29E+00	1.86E-08	6.29E+00	6.02E+00	8.74E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-03
	HST200DR	2.77E-03	4.22E-01	0.00E+00	4.22E-01	0.00E+00	0.00E+00	2.72E-01	1.61E-07	1.30E-03	1.35E-02	0.00E+00	0.00E+00	7.14E-12	1.44E-10	9.99E-04	0.00E+00	0.00E+00	0.00E+00	3.69E-05	1.48E-02	5.85E+00	0.00E+00	6.25E-10	2.39E-08	4.36E-03	1.02E-05	7.64E-03	0.00E+00	5.85E+00	1.62E-08	5.85E+00	5.69E+00	7.64E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-03
	HST201DR	2.80E-03	4.55E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	3.00E-01	1.73E-07	1.22E-03	1.36E-02	0.00E+00	0.00E+00	8.28E-12	1.57E-10	1.13E-03	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.72E-02	6.29E+00	0.00E+00	7.44E-10	2.14E-08	3.57E-03	1.05E-05	8.73E-03	0.00E+00	6.29E+00	1.86E-08	6.29E+00	6.01E+00	8.73E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
	HST250DR	2.78E-03	4.25E-01	0.00E+00	4.25E-01	0.00E+00	0.00E+00	2.71E-01	1.60E-07	1.30E-03	1.35E-02	0.00E+00	0.00E+00	7.13E-12	1.44E-10	9.94E-04	0.00E+00	0.00E+00	0.00E+00	3.66E-05	1.47E-02	5.81E+00	0.00E+00	6.23E-10	2.39E-08	4.37E-03	1.02E-05	7.59E-03	0.00E+00	5.81E+00	1.60E-08	5.81E+00	5.68E+00	7.59E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-03
	HST251DR	2.83E-03	4.59E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.00E-01	1.72E-07	1.24E-03	1.37E-02	0.00E+00	0.00E+00	8.28E-12	1.57E-10	1.13E-03	0.00E+00	0.00E+00	0.00E+00	4.12E-05	1.71E-02	6.25E+00	0.00E+00	7.42E-10	2.18E-08	3.63E-03	1.05E-05	8.70E-03	0.00E+00	6.25E+00	1.85E-08	6.25E+00	6.00E+00	8.70E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03
	HEJ630DE	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.84E-01	3.92E-07	3.12E-03	3.42E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.23E-05	3.68E-02	1.46E+01	0.00E+00	1.60E-09	5.44E-08	8.74E-03	2.61E-05	1.95E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
	HEJ631DE	7.95E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.19E-01	4.69E-07	3.66E-03	4.03E-02	0.00E+00	0.00E+00	2.20E-11	4.26E-10	3.05E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.75E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.92E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HEJ631EE	7.97E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.67E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.25E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.91E-09	6.50E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.90E-08	1.74E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HEJ632DE	7.95E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.19E-01	4.69E-07	3.66E-03	4.03E-02	0.00E+00	0.00E+00	2.20E-11	4.26E-10	3.05E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.75E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.92E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HEW630DE	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.84E-01	3.92E-07	3.12E-03	3.42E-02	0.00E+00	0.00E+00	1.85E-11	3.55E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.68E-02	1.46E+01	0.00E+00	1.60E-09	5.43E-08	8.74E-03	2.61E-05	1.95E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
	HEW631DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HEW632DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HHJ630DE	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.84E-01	3.92E-07	3.12E-03	3.42E-02	0.00E+00	0.00E+00	1.85E-11	3.56E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.23E-05	3.68E-02	1.46E+01	0.00E+00	1.60E-09	5.44E-08	8.74E-03	2.61E-05	1.95E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.45E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
	HHJ631EE	7.97E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.67E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.25E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.91E-09	6.50E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.90E-08	1.74E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HHJ632DE	7.95E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.19E-01	4.69E-07	3.66E-03	4.03E-02	0.00E+00	0.00E+00	2.20E-11	4.26E-10	3.05E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.75E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.92E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HHW630DE	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.84E-01	3.92E-07	3.12E-03	3.42E-02	0.00E+00	0.00E+00	1.85E-11	3.55E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.68E-02	1.46E+01	0.00E+00	1.60E-09	5.43E-08	8.74E-03	2.61E-05	1.95E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
	HHW631DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HHW632DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HMJ631DE	7.95E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.19E-01	4.69E-07	3.66E-03	4.03E-02	0.00E+00	0.00E+00	2.20E-11	4.26E-10	3.05E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.75E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.92E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HMJ631EE	7.97E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.67E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.25E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.91E-09	6.50E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.90E-08	1.74E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HMJ632DE	7.95E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.19E-01	4.69E-07	3.66E-03	4.03E-02	0.00E+00	0.00E+00	2.20E-11	4.26E-10	3.05E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.75E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.92E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HMW630DE	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.84E-01	3.92E-07	3.12E-03	3.42E-02	0.00E+00	0.00E+00	1.85E-11	3.55E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.68E-02	1.46E+01	0.00E+00	1.60E-09	5.43E-08	8.74E-03	2.61E-05	1.95E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
	HMW631DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HMW632DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HNJ631EE	7.97E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.18E-01	4.68E-07	3.67E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.25E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.91E-09	6.50E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.90E-08	1.74E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HNJ632DE	7.95E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.19E-01	4.69E-07	3.66E-03	4.03E-02	0.00E+00	0.00E+00	2.20E-11	4.26E-10	3.05E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.39E-02	1.75E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.75E+01	4.92E-08	1.75E+01	1.75E+01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.75E-03
	HNW630DE	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.84E-01	3.92E-07	3.12E-03	3.42E-02	0.00E+00	0.00E+00	1.85E-11	3.55E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.68E-02	1.46E+01	0.00E+00	1.60E-09	5.43E-08	8.74E-03	2.61E-05	1.95E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
	HNW631DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HNW632DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HPW630DE	6.67E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.84E-01	3.92E-07	3.12E-03	3.42E-02	0.00E+00	0.00E+00	1.85E-11	3.55E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-05	3.68E-02	1.46E+01	0.00E+00	1.60E-09	5.43E-08	8.74E-03	2.61E-05	1.95E-02	0.00E+00	1.46E+01	4.12E-08	1.46E+01	1.46E+01	1.95E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
	HPW631DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
	HPW632DE	7.93E-03	1.25E+00	0.00E+00	1.25E+00	0.00E+00	0.00E+00	8.17E-01	4.68E-07	3.65E-03	4.02E-02	0.00E+00	0.00E+00	2.20E-11	4.24E-10	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E+01	0.00E+00	1.92E-09	6.46E-08	1.02E-02	3.14E-05	2.32E-02	0.00E+00	1.74E+01	4.91E-08	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.74E-03
Installation A5	HDA100U	4.42E-04	2.07E-01	3.53E-02	1.72E-01	0.00E+00	0.00E+00	2.21E+00	2.19E-06	2.05E-04	1.30E-03	0.00E+00	3.75E-03	1.68E-08	4.99E-10	2.59E-02	4.06E-04	1.75E-02	5.52E-03	3.03E-04	7.22E-02	1.51E+00	0.00E+00	2.00E-09	2.66E-09	3.03E-04	8.15E-06	2.03E-01	0.00E+00	1.51E+00	3.82E-09	1.51E+00	1.71E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-02
	HDA014E	2.99E-04	1.33E-01	2.50E-02	1.08E-01	0.00E+00	0.00E+00	1.55E+00	1.48E-06	1.43E-04	8.88E-04	0.00E+00	2.62E-03	1.19E-08	3.47E-10	1.61E-02	2.87E-04	8.97E-03	1.47E-04	1.88E-04	4.43E-02	1.02E+00	0.00E+00	1.38E-09	1.79E-09	2.08E-04	5.30E-06	1.36E-01	0.00E+00	1.02E+00	2.51E-09	1.02E+00	1.16E+00	1.36E-01	0.00E+00	0.00E+00	0.00E+00	8.06E-03
	HDA014Z	2.41E-04	1.10E-01	1.97E-02	9.00E-02	0.00E+00	0.00E+00	1.23E+00	1.19E-06	1.13E-04	7.11E-04	0.00E+00	2.08E-03	9.34E-09	2.76E-10	1.35E-02	2.26E-04	8.28E-03	1.46E-03	1.58E-04	3.73E-02	8.22E-01	0.00E+00	1.10E-09	1.44E-09	1.66E-04	4.34E-06	1.10E-01	0.00E+00	8.22E-01	2.05E-09	8.22E-01	9.32E-01	1.10E-01	0.00E+00	0.00E+00	0.00E+00	6.76E-03
	HDA015Z	2.87E-04	1.31E-01	2.35E-02	1.07E-01	0.00E+00	0.00E+00	1.46E+00	1.42E-06	1.35E-04	8.49E-04	0.00E+00	2.48E-03	1.12E-08	3.29E-10	1.61E-02	2.70E-04	9.88E-03	1.72E-03	1.88E-04	4.46E-02	9.81E-01	0.00E+00	1.31E-09	1.72E-09	1.98E-04	5.19E-06	1.31E-01	0.00E+00	9.81E-01	2.44E-09	9.81E-01	1.11E+00	1.31E-01	0.00E+00	0.00E+00	0.00E+00	8.07E-03
	HDA016L	3.62E-04	1.65E-01	2.96E-02	1.35E-01	0.00E+00	0.00E+00	1.84E+00	1.79E-06	1.70E-04	1.07E-03	0.00E+00	3.12E-03	1.41E-08	4.14E-10	2.02E-02	3.40E-04	1.24E-02	2.15E-03	2.37E-04	5.61E-02	1.24E+00	0.00E+00	1.65E-09	2.17E-09	2.50E-04	6.53E-06	1.66E-01	0.00E+00	1.24E+00	3.08E-09	1.24E+00	1.40E+00	1.66E-01	0.00E+00	0.00E+00	0.00E+00	1.02E-02
	HDA016Z	4.09E-04	1.86E-01	3.34E-02	1.53E-01	0.00E+00	0.00E+00	2.08E+00	2.02E-06	1.93E-04	1.21E-03	0.00E+00	3.53E-03	1.59E-08	4.68E-10	2.29E-02	3.84E-04	1.40E-02	2.45E-03	2.67E-04	6.34E-02	1.40E+00	0.00E+00	1.87E-09	2.45E-09	2.82E-04	7.38E-06	1.87E-01	0.00E+00	1.40E+00	3.47E-09	1.40E+00	1.58E+00	1.87E-01	0.00E+00	0.00E+00	0.00E+00	1.15E-02
	HDA017L	3.67E-04	1.67E-01	3.00E-02	1.37E-01	0.00E+00	0.00E+00	1.87E+00	1.81E-06	1.73E-04	1.08E-03	0.00E+00	3.17E-03	1.42E-08	4.20E-10	2.05E-02	3.45E-04	1.26E-02	2.16E-03	2.40E-04	5.68E-02	1.25E+00	0.00E+00	1.67E-09	2.20E-09	2.53E-04	6.61E-06	1.68E-01	0.00E+00	1.25E+00	3.12E-09	1.25E+00	1.42E+00	1.68E-01	0.00E+00	0.00E+00	0.00E+00	1.03E-02
	HDA017Z	4.39E-04	2.00E-01	3.59E-02	1.64E-01	0.00E+00	0.00E+00	2.24E+00	2.17E-06	2.07E-04	1.30E-03	0.00E+00	3.79E-03	1.71E-08	5.03E-10	2.46E-02	4.13E-04	1.51E-02	2.61E-03	2.87E-04	6.81E-02	1.50E+00	0.00E+00	2.01E-09	2.63E-09	3.03E-04	7.93E-06	2.01E-01	0.00E+00	1.50E+00	3.73E-09	1.50E+00	1.70E+00	2.01E-01	0.00E+00	0.00E+00	0.00E+00	1.23E-02
	HDA018E	2.16E-04	9.82E-02	1.76E-02	8.06E-02	0.00E+00	0.00E+00	1.10E+00	1.07E-06	1.01E-04	6.37E-04	0.00E+00	1.86E-03	8.37E-09	2.47E-10	1.21E-02	2.02E-04	7.41E-03	1.30E-03	1.41E-04	3.34E-02	7.36E-01	0.00E+00	9.84E-10	1.29E-09	1.49E-04	3.89E-06	9.86E-02	0.00E+00	7.36E-01	1.83E-09	7.36E-01	8.34E-01	9.86E-02	0.00E+00	0.00E+00	0.00E+00	6.06E-03
	HDA018Z	2.23E-04	1.02E-01	1.82E-02	8.33E-02	0.00E+00	0.00E+00	1.14E+00	1.10E-06	1.05E-04	6.58E-04	0.00E+00	1.92E-03	8.65E-09	2.55E-10	1.25E-02	2.09E-04	7.67E-03	1.35E-03	1.46E-04	3.46E-02	7.61E-01	0.00E+00	1.02E-09	1.34E-09	1.54E-04	4.02E-06	1.02E-01	0.00E+00	7.61E-01	1.89E-09	7.61E-01	8.63E-01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	6.26E-03
	HDA019Z	3.09E-04	1.41E-01	2.53E-02	1.16E-01	0.00E+00	0.00E+00	1.57E+00	1.53E-06	1.46E-04	9.13E-04	0.00E+00	2.67E-03	1.20E-08	3.54E-10	1.73E-02	2.90E-04	1.06E-02	1.86E-03	2.02E-04	4.79E-02	1.06E+00	0.00E+00	1.41E-09	1.85E-09	2.13E-04	5.58E-06	1.41E-01	0.00E+00	1.06E+00	2.63E-09	1.06E+00	1.20E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00	8.68E-03
	HDA020L	2.96E-04	1.35E-01	2.42E-02	1.10E-01	0.00E+00	0.00E+00	1.51E+00	1.46E-06	1.39E-04	8.73E-04	0.00E+00	2.55E-03	1.15E-08	3.39E-10	1.65E-02	2.78E-04	1.01E-02	1.74E-03	1.93E-04	4.58E-02	1.01E+00	0.00E+00	1.35E-09	1.77E-09	2.04E-04	5.33E-06	1.35E-01	0.00E+00	1.01E+00	2.51E-09	1.01E+00	1.14E+00	1.35E-01	0.00E+00	0.00E+00	0.00E+00	8.30E-03
	HDA020Z	4.19E-04	1.91E-01	3.42E-02	1.57E-01	0.00E+00	0.00E+00	2.13E+00	2.07E-06	1.97E-04	1.24E-03	0.00E+00	3.61E-03	1.63E-08	4.79E-10	2.34E-02	3.93E-04	1.44E-02	2.51E-03	2.74E-04	6.49E-02	1.43E+00	0.00E+00	1.91E-09	2.51E-09	2.89E-04	7.56E-06	1.91E-01	0.00E+00	1.43E+00	3.56E-09	1.43E+00	1.62E+00	1.91E-01	0.00E+00	0.00E+00	0.00E+00	1.18E-02
	HDA021L	3.64E-04	1.66E-01	2.98E-02	1.36E-01	0.00E+00	0.00E+00	1.86E+00	1.80E-06	1.72E-04	1.08E-03	0.00E+00	3.14E-03	1.42E-08	4.17E-10	2.04E-02	3.42E-04	1.25E-02	2.14E-03	2.38E-04	5.64E-02	1.24E+00	0.00E+00	1.66E-09	2.18E-09	2.51E-04	6.57E-06	1.67E-01	0.00E+00	1.24E+00	3.09E-09	1.24E+00	1.41E+00	1.67E-01	0.00E+00	0.00E+00	0.00E+00	1.02E-02
	HDA021Z	5.33E-04	2.43E-01	4.36E-02	1.99E-01	0.00E+00	0.00E+00	2.72E+00	2.64E-06	2.51E-04	1.57E-03	0.00E+00	4.60E-03	2.07E-08	6.10E-10	2.98E-02	5.01E-04	1.83E-02	3.19E-03	3.49E-04	8.26E-02	1.82E+00	0.00E+00	2.43E-09	3.19E-09	3.67E-04	9.62E-06	2.44E-01	0.00E+00	1.82E+00	4.53E-09	1.82E+00	2.06E+00	2.44E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-02
	HDA023E	2.06E-04	9.41E-02	1.69E-02	7.72E-02	0.00E+00	0.00E+00	1.05E+00	1.02E-06	9.72E-05	6.10E-04	0.00E+00	1.78E-03	8.01E-09	2.36E-10	1.15E-02	1.94E-04	7.10E-03	1.24E-03	1.35E-04	3.20E-02	7.05E-01	0.00E+00	9.42E-10	1.24E-09	1.42E-04	3.73E-06	9.44E-02	0.00E+00	7.05E-01	1.75E-09	7.05E-01	7.99E-01	9.44E-02	0.00E+00	0.00E+00	0.00E+00	5.80E-03
	HDA023Z	2.26E-04	1.03E-01	1.85E-02	8.45E-02	0.00E+00	0.00E+00	1.15E+00	1.12E-06	1.06E-04	6.67E-04	0.00E+00	1.95E-03	8.77E-09	2.59E-10	1.26E-02	2.12E-04	7.77E-03	1.36E-03	1.48E-04	3.50E-02	7.71E-01	0.00E+00	1.03E-09	1.35E-09	1.56E-04	4.08E-06	1.03E-01	0.00E+00	7.71E-01	1.92E-09	7.71E-01	8.74E-01	1.03E-01	0.00E+00	0.00E+00	0.00E+00	6.35E-03
	HDA024Z	3.12E-04	1.42E-01	2.55E-02	1.17E-01	0.00E+00	0.00E+00	1.59E+00	1.54E-06	1.47E-04	9.22E-04	0.00E+00	2.69E-03	1.21E-08	3.57E-10	1.75E-02	2.93E-04	1.07E-02	1.87E-03	2.04E-04	4.84E-02	1.07E+00	0.00E+00	1.42E-09	1.87E-09	2.15E-04	5.63E-06	1.43E-01	0.00E+00	1.07E+00	2.65E-09	1.07E+00	1.21E+00	1.43E-01	0.00E+00	0.00E+00	0.00E+00	8.77E-03
	HDA025L	2.33E-04	1.06E-01	1.91E-02	8.70E-02	0.00E+00	0.00E+00	1.19E+00	1.15E-06	1.10E-04	6.88E-04	0.00E+00	2.01E-03	9.05E-09	2.67E-10	1.30E-02	2.19E-04	7.97E-03	1.35E-03	1.52E-04	3.61E-02	7.95E-01	0.00E+00	1.06E-09	1.40E-09	1.61E-04	4.20E-06	1.07E-01	0.00E+00	7.95E-01	1.98E-09	7.95E-01	9.02E-01	1.07E-01	0.00E+00	0.00E+00	0.00E+00	6.53E-03
	HDA025U	4.42E-04	2.07E-01	3.53E-02	1.72E-01	0.00E+00	0.00E+00	2.21E+00	2.19E-06	2.05E-04	1.30E-03	0.00E+00	3.75E-03	1.68E-08	4.99E-10	2.59E-02	4.06E-04	1.75E-02	5.52E-03	3.03E-04	7.22E-02	1.51E+00	0.00E+00	2.00E-09	2.66E-09	3.03E-04	8.15E-06	2.03E-01	0.00E+00	1.51E+00	3.82E-09	1.51E+00	1.71E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-02
	HDA025Z	4.65E-04	2.12E-01	3.80E-02	1.74E-01	0.00E+00	0.00E+00	2.37E+00	2.30E-06	2.19E-04	1.37E-03	0.00E+00	4.01E-03	1.81E-08	5.33E-10	2.60E-02	4.37E-04	1.60E-02	2.80E-03	3.04E-04	7.22E-02	1.59E+00	0.00E+00	2.12E-09	2.79E-09	3.21E-04	8.40E-06	2.13E-01	0.00E+00	1.59E+00	3.95E-09	1.59E+00	1.80E+00	2.13E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-02
	HDA026L	5.33E-04	2.43E-01	4.36E-02	1.99E-01	0.00E+00	0.00E+00	2.72E+00	2.64E-06	2.51E-04	1.57E-03	0.00E+00	4.60E-03	2.07E-08	6.10E-10	2.98E-02	5.01E-04	1.83E-02	3.19E-03	3.49E-04	8.26E-02	1.82E+00	0.00E+00	2.43E-09	3.19E-09	3.67E-04	9.62E-06	2.44E-01	0.00E+00	1.82E+00	4.53E-09	1.82E+00	2.06E+00	2.44E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-02
	HDA026U	5.50E-04	2.51E-01	4.50E-02	2.06E-01	0.00E+00	0.00E+00	2.80E+00	2.72E-06	2.59E-04	1.63E-03	0.00E+00	4.75E-03	2.14E-08	6.30E-10	3.08E-02	5.17E-04	1.89E-02	3.30E-03	3.60E-04	8.53E-02	1.88E+00	0.00E+00	2.51E-09	3.30E-09	3.79E-04	9.93E-06	2.52E-01	0.00E+00	1.88E+00	4.68E-09	1.88E+00	2.13E+00	2.52E-01	0.00E+00	0.00E+00	0.00E+00	1.55E-02
	HDA026Z	6.52E-04	2.97E-01	5.33E-02	2.44E-01	0.00E+00	0.00E+00	3.32E+00	3.23E-06	3.07E-04	1.93E-03	0.00E+00	5.63E-03	2.53E-08	7.47E-10	3.65E-02	6.13E-04	2.24E-02	3.93E-03	4.27E-04	1.01E-01	2.23E+00	0.00E+00	2.98E-09	3.91E-09	4.50E-04	1.18E-05	2.98E-01	0.00E+00	2.23E+00	5.54E-09	2.23E+00	2.52E+00	2.98E-01	0.00E+00	0.00E+00	0.00E+00	1.83E-02
	HDA030E	2.99E-04	1.33E-01	2.50E-02	1.08E-01	0.00E+00	0.00E+00	1.55E+00	1.48E-06	1.43E-04	8.88E-04	0.00E+00	2.62E-03	1.19E-08	3.47E-10	1.61E-02	2.87E-04	8.97E-03	1.47E-04	1.88E-04	4.43E-02	1.02E+00	0.00E+00	1.38E-09	1.79E-09	2.08E-04	5.30E-06	1.36E-01	0.00E+00	1.02E+00	2.51E-09	1.02E+00	1.16E+00	1.36E-01	0.00E+00	0.00E+00	0.00E+00	8.06E-03
	HDA030Z	2.41E-04	1.10E-01	1.97E-02	9.00E-02	0.00E+00	0.00E+00	1.23E+00	1.19E-06	1.13E-04	7.11E-04	0.00E+00	2.08E-03	9.34E-09	2.76E-10	1.35E-02	2.26E-04	8.28E-03	1.46E-03	1.58E-04	3.73E-02	8.22E-01	0.00E+00	1.10E-09	1.44E-09	1.66E-04	4.34E-06	1.10E-01	0.00E+00	8.22E-01	2.05E-09	8.22E-01	9.32E-01	1.10E-01	0.00E+00	0.00E+00	0.00E+00	6.76E-03
	HDA032L	3.68E-04	1.67E-01	3.01E-02	1.37E-01	0.00E+00	0.00E+00	1.87E+00	1.82E-06	1.73E-04	1.09E-03	0.00E+00	3.17E-03	1.43E-08	4.21E-10	2.06E-02	3.45E-04	1.26E-02	2.19E-03	2.40E-04	5.70E-02	1.25E+00	0.00E+00	1.68E-09	2.20E-09	2.53E-04	6.63E-06	1.68E-01	0.00E+00	1.25E+00	3.12E-09	1.25E+00	1.42E+00	1.68E-01	0.00E+00	0.00E+00	0.00E+00	1.03E-02
	HDA032Z	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-06	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-08	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.50E+00	0.00E+00	1.99E-09	2.64E-09	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-09	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
	HDA033L	5.52E-04	2.52E-01	4.52E-02	2.06E-01	0.00E+00	0.00E+00	2.81E+00	2.73E-06	2.60E-04	1.63E-03	0.00E+00	4.77E-03	2.14E-08	6.32E-10	3.09E-02	5.19E-04	1.90E-02	3.31E-03	3.61E-04	8.56E-02	1.89E+00	0.00E+00	2.52E-09	3.31E-09	3.81E-04	9.97E-06	2.53E-01	0.00E+00	1.89E+00	4.69E-09	1.89E+00	2.14E+00	2.53E-01	0.00E+00	0.00E+00	0.00E+00	1.55E-02
	HDA033Z	5.33E-04	2.43E-01	4.36E-02	1.99E-01	0.00E+00	0.00E+00	2.72E+00	2.64E-06	2.51E-04	1.58E-03	0.00E+00	4.60E-03	2.07E-08	6.11E-10	2.98E-02	5.01E-04	1.83E-02	3.20E-03	3.49E-04	8.27E-02	1.82E+00	0.00E+00	2.44E-09	3.20E-09	3.68E-04	9.63E-06	2.44E-01	0.00E+00	1.82E+00	4.53E-09	1.82E+00	2.07E+00	2.44E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-02
	HDA038Z	2.26E-04	1.03E-01	1.85E-02	8.45E-02	0.00E+00	0.00E+00	1.15E+00	1.12E-06	1.06E-04	6.67E-04	0.00E+00	1.95E-03	8.77E-09	2.59E-10	1.26E-02	2.12E-04	7.77E-03	1.36E-03	1.48E-04	3.50E-02	7.71E-01	0.00E+00	1.03E-09	1.35E-09	1.56E-04	4.08E-06	1.03E-01	0.00E+00	7.71E-01	1.92E-09	7.71E-01	8.74E-01	1.03E-01	0.00E+00	0.00E+00	0.00E+00	6.35E-03
	HDA040L	1.42E-04	6.45E-02	1.16E-02	5.29E-02	0.00E+00	0.00E+00	7.24E-01	7.02E-07	6.69E-05	4.19E-04	0.00E+00	1.23E-03	5.52E-09	1.63E-10	7.91E-03	1.33E-04	4.83E-03	7.90E-04	9.25E-05	2.19E-02	4.84E-01	0.00E+00	6.48E-10	8.50E-10	9.79E-05	2.56E-06	6.49E-02	0.00E+00	4.84E-01	1.20E-09	4.84E-01	5.49E-01	6.49E-02	0.00E+00	0.00E+00	0.00E+00	3.97E-03
	HDA040U	4.42E-04	2.07E-01	3.53E-02	1.72E-01	0.00E+00	0.00E+00	2.21E+00	2.19E-06	2.05E-04	1.30E-03	0.00E+00	3.75E-03	1.68E-08	4.99E-10	2.59E-02	4.06E-04	1.75E-02	5.52E-03	3.03E-04	7.22E-02	1.51E+00	0.00E+00	2.00E-09	2.66E-09	3.03E-04	8.15E-06	2.03E-01	0.00E+00	1.51E+00	3.82E-09	1.51E+00	1.71E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-02
	HDA040Z	4.53E-04	2.06E-01	3.70E-02	1.69E-01	0.00E+00	0.00E+00	2.31E+00	2.24E-06	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.76E-08	5.18E-10	2.53E-02	4.25E-04	1.56E-02	2.72E-03	2.96E-04	7.02E-02	1.55E+00	0.00E+00	2.07E-09	2.71E-09	3.12E-04	8.17E-06	2.07E-01	0.00E+00	1.55E+00	3.85E-09	1.55E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02

HDA041L	3.02E-04	1.38E-01	2.47E-02	1.13E-01	0.00E+00	0.00E+00	1.54E+00	1.50E-06	1.42E-04	8.93E-04	0.00E+00	2.61E-03	1.17E-08	3.46E-10	1.69E-02	2.84E-04	1.03E-02	1.76E-03	1.98E-04	4.68E-02	1.03E+00	0.00E+00	1.38E-09	1.81E-09	2.08E-04	5.45E-06	1.38E-01	0.00E+00	1.03E+00	2.57E-09	1.03E+00	1.17E+00	1.38E-01	0.00E+00	0.00E+00	0.00E+00	8.48E-03
HDA041U	6.11E-04	2.79E-01	5.00E-02	2.29E-01	0.00E+00	0.00E+00	3.11E+00	3.02E-06	2.88E-04	1.80E-03	0.00E+00	5.27E-03	2.37E-08	7.00E-10	3.42E-02	5.74E-04	2.10E-02	3.68E-03	4.00E-04	9.48E-02	2.09E+00	0.00E+00	2.79E-09	3.66E-09	4.21E-04	1.10E-05	2.79E-01	0.00E+00	2.09E+00	5.19E-09	2.09E+00	2.37E+00	2.79E-01	0.00E+00	0.00E+00	0.00E+00	1.72E-02
HDA041Z	6.10E-04	2.78E-01	4.98E-02	2.28E-01	0.00E+00	0.00E+00	3.11E+00	3.02E-06	2.87E-04	1.80E-03	0.00E+00	5.26E-03	2.37E-08	6.98E-10	3.41E-02	5.73E-04	2.10E-02	3.67E-03	3.99E-04	9.46E-02	2.08E+00	0.00E+00	2.78E-09	3.65E-09	4.20E-04	1.10E-05	2.79E-01	0.00E+00	2.08E+00	5.18E-09	2.08E+00	2.36E+00	2.79E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-02
HDA048Z	2.34E-04	1.07E-01	1.92E-02	8.77E-02	0.00E+00	0.00E+00	1.19E+00	1.16E-06	1.10E-04	6.92E-04	0.00E+00	2.02E-03	9.10E-09	2.68E-10	1.31E-02	2.20E-04	8.06E-03	1.42E-03	1.53E-04	3.64E-02	8.00E-01	0.00E+00	1.07E-09	1.40E-09	1.62E-04	4.23E-06	1.07E-01	0.00E+00	8.00E-01	1.99E-09	8.00E-01	9.07E-01	1.07E-01	0.00E+00	0.00E+00	0.00E+00	6.59E-03
HDA050L	4.52E-04	2.06E-01	3.70E-02	1.69E-01	0.00E+00	0.00E+00	2.30E+00	2.24E-06	2.13E-04	1.34E-03	0.00E+00	3.90E-03	1.76E-08	5.18E-10	2.53E-02	4.25E-04	1.55E-02	2.72E-03	2.96E-04	7.02E-02	1.54E+00	0.00E+00	2.07E-09	2.71E-09	3.12E-04	8.16E-06	2.07E-01	0.00E+00	1.54E+00	3.84E-09	1.54E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HDA050Z	4.53E-04	2.06E-01	3.70E-02	1.69E-01	0.00E+00	0.00E+00	2.31E+00	2.24E-06	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.76E-08	5.18E-10	2.53E-02	4.25E-04	1.56E-02	2.72E-03	2.96E-04	7.02E-02	1.55E+00	0.00E+00	2.07E-09	2.71E-09	3.12E-04	8.17E-06	2.07E-01	0.00E+00	1.55E+00	3.85E-09	1.55E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HDA051L	5.72E-04	2.61E-01	4.68E-02	2.14E-01	0.00E+00	0.00E+00	2.91E+00	2.83E-06	2.69E-04	1.69E-03	0.00E+00	4.94E-03	2.22E-08	6.55E-10	3.20E-02	5.37E-04	1.97E-02	3.43E-03	3.74E-04	8.87E-02	1.95E+00	0.00E+00	2.61E-09	3.43E-09	3.94E-04	1.03E-05	2.62E-01	0.00E+00	1.95E+00	4.86E-09	1.95E+00	2.21E+00	2.62E-01	0.00E+00	0.00E+00	0.00E+00	1.61E-02
HDA051Z	5.37E-04	2.45E-01	4.39E-02	2.01E-01	0.00E+00	0.00E+00	2.74E+00	2.66E-06	2.53E-04	1.59E-03	0.00E+00	4.64E-03	2.09E-08	6.15E-10	3.01E-02	5.05E-04	1.85E-02	3.22E-03	3.52E-04	8.33E-02	1.83E+00	0.00E+00	2.45E-09	3.22E-09	3.70E-04	9.70E-06	2.46E-01	0.00E+00	1.83E+00	4.57E-09	1.83E+00	2.08E+00	2.46E-01	0.00E+00	0.00E+00	0.00E+00	1.51E-02
HDA061Z	3.08E-04	1.41E-01	2.52E-02	1.16E-01	0.00E+00	0.00E+00	1.57E+00	1.52E-06	1.45E-04	9.10E-04	0.00E+00	2.66E-03	1.19E-08	3.53E-10	1.73E-02	2.89E-04	1.07E-02	1.99E-03	2.02E-04	4.80E-02	1.05E+00	0.00E+00	1.41E-09	1.85E-09	2.12E-04	5.57E-06	1.41E-01	0.00E+00	1.05E+00	2.62E-09	1.05E+00	1.19E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00	8.69E-03
HDA063L	1.48E-04	6.75E-02	1.22E-02	5.54E-02	0.00E+00	0.00E+00	7.57E-01	7.34E-07	7.00E-05	4.39E-04	0.00E+00	1.28E-03	5.78E-09	1.70E-10	8.28E-03	1.40E-04	5.06E-03	8.30E-04	9.69E-05	2.30E-02	5.07E-01	0.00E+00	6.78E-10	8.90E-10	1.02E-04	2.68E-06	6.79E-02	0.00E+00	5.07E-01	1.26E-09	5.07E-01	5.75E-01	6.79E-02	0.00E+00	0.00E+00	0.00E+00	4.16E-03
HDA063U	4.42E-04	2.07E-01	3.53E-02	1.72E-01	0.00E+00	0.00E+00	2.21E+00	2.19E-06	2.05E-04	1.30E-03	0.00E+00	3.75E-03	1.68E-08	4.99E-10	2.59E-02	4.06E-04	1.75E-02	5.52E-03	3.03E-04	7.22E-02	1.51E+00	0.00E+00	2.00E-09	2.66E-09	3.03E-04	8.15E-06	2.03E-01	0.00E+00	1.51E+00	3.82E-09	1.51E+00	1.71E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-02
HDA063Z	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-06	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-08	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.50E+00	0.00E+00	1.99E-09	2.64E-09	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-09	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HDA064L	4.34E-04	1.98E-01	3.55E-02	1.62E-01	0.00E+00	0.00E+00	2.21E+00	2.15E-06	2.04E-04	1.28E-03	0.00E+00	3.75E-03	1.69E-08	4.97E-10	2.43E-02	4.08E-04	1.49E-02	2.57E-03	2.84E-04	6.73E-02	1.48E+00	0.00E+00	1.98E-09	2.60E-09	2.99E-04	7.83E-06	1.98E-01	0.00E+00	1.48E+00	3.69E-09	1.48E+00	1.68E+00	1.98E-01	0.00E+00	0.00E+00	0.00E+00	1.22E-02
HDA064U	6.21E-04	2.83E-01	5.08E-02	2.32E-01	0.00E+00	0.00E+00	3.16E+00	3.07E-06	2.92E-04	1.83E-03	0.00E+00	5.36E-03	2.41E-08	7.11E-10	3.47E-02	5.83E-04	2.14E-02	3.74E-03	4.06E-04	9.63E-02	2.12E+00	0.00E+00	2.84E-09	3.72E-09	4.28E-04	1.12E-05	2.84E-01	0.00E+00	2.12E+00	5.28E-09	2.12E+00	2.40E+00	2.84E-01	0.00E+00	0.00E+00	0.00E+00	1.74E-02
HDA064Z	6.05E-04	2.76E-01	4.95E-02	2.26E-01	0.00E+00	0.00E+00	3.08E+00	2.99E-06	2.85E-04	1.79E-03	0.00E+00	5.22E-03	2.35E-08	6.93E-10	3.39E-02	5.68E-04	2.08E-02	3.64E-03	3.96E-04	9.39E-02	2.07E+00	0.00E+00	2.76E-09	3.63E-09	4.17E-04	1.09E-05	2.77E-01	0.00E+00	2.07E+00	5.14E-09	2.07E+00	2.34E+00	2.77E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-02
HDA078Z	3.08E-04	1.41E-01	2.52E-02	1.16E-01	0.00E+00	0.00E+00	1.57E+00	1.52E-06	1.45E-04	9.10E-04	0.00E+00	2.66E-03	1.19E-08	3.53E-10	1.73E-02	2.89E-04	1.07E-02	1.99E-03	2.02E-04	4.80E-02	1.05E+00	0.00E+00	1.41E-09	1.85E-09	2.12E-04	5.57E-06	1.41E-01	0.00E+00	1.05E+00	2.62E-09	1.05E+00	1.19E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00	8.69E-03
HDA080L	3.25E-04	1.48E-01	2.66E-02	1.22E-01	0.00E+00	0.00E+00	1.66E+00	1.61E-06	1.53E-04	9.61E-04	0.00E+00	2.81E-03	1.26E-08	3.73E-10	1.82E-02	3.06E-04	1.12E-02	1.93E-03	2.13E-04	5.04E-02	1.11E+00	0.00E+00	1.49E-09	1.95E-09	2.24E-04	5.87E-06	1.49E-01	0.00E+00	1.11E+00	2.76E-09	1.11E+00	1.26E+00	1.49E-01	0.00E+00	0.00E+00	0.00E+00	9.13E-03
HDA080U	4.42E-04	2.07E-01	3.53E-02	1.72E-01	0.00E+00	0.00E+00	2.21E+00	2.19E-06	2.05E-04	1.30E-03	0.00E+00	3.75E-03	1.68E-08	4.99E-10	2.59E-02	4.06E-04	1.75E-02	5.52E-03	3.03E-04	7.22E-02	1.51E+00	0.00E+00	2.00E-09	2.66E-09	3.03E-04	8.15E-06	2.03E-01	0.00E+00	1.51E+00	3.82E-09	1.51E+00	1.71E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-02
HDA080Z	4.50E-04	2.05E-01	3.68E-02	1.68E-01	0.00E+00	0.00E+00	2.29E+00	2.22E-06	2.12E-04	1.33E-03	0.00E+00	3.88E-03	1.75E-08	5.15E-10	2.52E-02	4.22E-04	1.55E-02	2.70E-03	2.94E-04	6.97E-02	1.54E+00	0.00E+00	2.05E-09	2.70E-09	3.10E-04	8.12E-06	2.06E-01	0.00E+00	1.54E+00	3.82E-09	1.54E+00	1.74E+00	2.06E-01	0.00E+00	0.00E+00	0.00E+00	1.26E-02
HDA081L	7.08E-04	3.23E-01	5.79E-02	2.65E-01	0.00E+00	0.00E+00	3.60E+00	3.50E-06	3.33E-04	2.09E-03	0.00E+00	6.11E-03	2.75E-08	8.10E-10	3.96E-02	6.65E-04	2.43E-02	4.27E-03	4.63E-04	1.10E-01	2.42E+00	0.00E+00	3.23E-09	4.24E-09	4.88E-04	1.28E-05	3.24E-01	0.00E+00	2.42E+00	6.01E-09	2.42E+00	2.74E+00	3.24E-01	0.00E+00	0.00E+00	0.00E+00	1.99E-02
HDA081U	6.45E-04	2.94E-01	5.28E-02	2.41E-01	0.00E+00	0.00E+00	3.29E+00	3.19E-06	3.04E-04	1.91E-03	0.00E+00	5.57E-03	2.51E-08	7.39E-10	3.61E-02	6.06E-04	2.22E-02	3.89E-03	4.22E-04	1.00E-01	2.20E+00	0.00E+00	2.95E-09	3.87E-09	4.45E-04	1.16E-05	2.95E-01	0.00E+00	2.20E+00	5.48E-09	2.20E+00	2.50E+00	2.95E-01	0.00E+00	0.00E+00	0.00E+00	1.81E-02
HDA081Z	6.34E-04	2.89E-01	5.19E-02	2.37E-01	0.00E+00	0.00E+00	3.23E+00	3.14E-06	2.99E-04	1.87E-03	0.00E+00	5.47E-03	2.46E-08	7.26E-10	3.55E-02	5.96E-04	2.18E-02	3.82E-03	4.15E-04	9.84E-02	2.17E+00	0.00E+00	2.90E-09	3.80E-09	4.37E-04	1.15E-05	2.90E-01	0.00E+00	2.17E+00	5.39E-09	2.17E+00	2.46E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HDA098Z	3.08E-04	1.41E-01	2.52E-02	1.16E-01	0.00E+00	0.00E+00	1.57E+00	1.52E-06	1.45E-04	9.10E-04	0.00E+00	2.66E-03	1.19E-08	3.53E-10	1.73E-02	2.89E-04	1.07E-02	1.99E-03	2.02E-04	4.80E-02	1.05E+00	0.00E+00	1.41E-09	1.85E-09	2.12E-04	5.57E-06	1.41E-01	0.00E+00	1.05E+00	2.62E-09	1.05E+00	1.19E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00	8.69E-03
HDA100L	3.01E-04	1.37E-01	2.46E-02	1.12E-01	0.00E+00	0.00E+00	1.53E+00	1.49E-06	1.42E-04	8.88E-04	0.00E+00	2.59E-03	1.17E-08	3.44E-10	1.68E-02	2.82E-04	1.03E-02	1.77E-03	1.97E-04	4.66E-02	1.03E+00	0.00E+00	1.37E-09	1.80E-09	2.07E-04	5.42E-06	1.37E-01	0.00E+00	1.03E+00	2.55E-09	1.03E+00	1.16E+00	1.37E-01	0.00E+00	0.00E+00	0.00E+00	8.44E-03
HDA100Z	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-06	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-08	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.50E+00	0.00E+00	1.99E-09	2.64E-09	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-09	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HDA101L	7.06E-04	3.22E-01	5.77E-02	2.64E-01	0.00E+00	0.00E+00	3.60E+00	3.49E-06	3.32E-04	2.08E-03	0.00E+00	6.09E-03	2.74E-08	8.08E-10	3.95E-02	6.63E-04	2.43E-02	4.26E-03	4.62E-04	1.10E-01	2.41E+00	0.00E+00	3.22E-09	4.23E-09	4.87E-04	1.27E-05	3.23E-01	0.00E+00	2.41E+00	6.00E-09	2.41E+00	2.73E+00	3.23E-01	0.00E+00	0.00E+00	0.00E+00	1.98E-02
HDA101U	6.36E-04	2.90E-01	5.20E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.15E-06	2.99E-04	1.88E-03	0.00E+00	5.49E-03	2.47E-08	7.28E-10	3.56E-02	5.97E-04	2.19E-02	3.83E-03	4.16E-04	9.86E-02	2.17E+00	0.00E+00	2.90E-09	3.81E-09	4.38E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.40E-09	2.17E+00	2.46E+00	2.91E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HDA101Z	6.30E-04	2.87E-01	5.15E-02	2.36E-01	0.00E+00	0.00E+00	3.21E+00	3.12E-06	2.97E-04	1.86E-03	0.00E+00	5.44E-03	2.45E-08	7.21E-10	3.52E-02	5.92E-04	2.17E-02	3.79E-03	4.12E-04	9.77E-02	2.15E+00	0.00E+00	2.88E-09	3.78E-09	4.34E-04	1.14E-05	2.88E-01	0.00E+00	2.15E+00	5.35E-09	2.15E+00	2.44E+00	2.88E-01	0.00E+00	0.00E+00	0.00E+00	1.77E-02
HDA123Z	2.37E-04	1.08E-01	1.94E-02	8.88E-02	0.00E+00	0.00E+00	1.21E+00	1.17E-06	1.12E-04	7.01E-04	0.00E+00	2.05E-03	9.21E-09	2.72E-10	1.33E-02	2.23E-04	8.17E-03	1.44E-03	1.55E-04	3.68E-02	8.10E-01	0.00E+00	1.08E-09	1.42E-09	1.64E-04	4.28E-06	1.09E-01	0.00E+00	8.10E-01	2.02E-09	8.10E-01	9.19E-01	1.09E-01	0.00E+00	0.00E+00	0.00E+00	6.67E-03
HDA125L	1.99E-04	9.04E-02	1.63E-02	7.42E-02	0.00E+00	0.00E+00	1.01E+00	9.82E-07	9.36E-05	5.87E-04	0.00E+00	1.72E-03	7.72E-09	2.28E-10	1.11E-02	1.87E-04	6.79E-03	1.14E-03	1.30E-04	3.07E-02	6.78E-01	0.00E+00	9.07E-10	1.19E-09	1.37E-04	3.58E-06	9.08E-02	0.00E+00	6.78E-01	1.69E-09	6.78E-01	7.69E-01	9.08E-02	0.00E+00	0.00E+00	0.00E+00	5.57E-03
HDA125U	4.42E-04	2.07E-01	3.53E-02	1.72E-01	0.00E+00	0.00E+00	2.21E+00	2.19E-06	2.05E-04	1.30E-03	0.00E+00	3.75E-03	1.68E-08	4.99E-10	2.59E-02	4.06E-04	1.75E-02	5.52E-03	3.03E-04	7.22E-02	1.51E+00	0.00E+00	2.00E-09	2.66E-09	3.03E-04	8.15E-06	2.03E-01	0.00E+00	1.51E+00	3.82E-09	1.51E+00	1.71E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-02
HDA125Z	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-06	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-08	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.50E+00	0.00E+00	1.99E-09	2.64E-09	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-09	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HDA126L	5.88E-04	2.74E-01	4.71E-02	2.27E-01	0.00E+00	0.00E+00	2.95E+00	2.91E-06	2.73E-04	1.73E-03	0.00E+00	5.00E-03	2.24E-08	6.66E-10	3.41E-02	5.42E-04	2.26E-02	6.58E-03	4.00E-04	9.50E-02	2.01E+00	0.00E+00	2.66E-09	3.53E-09	4.03E-04	1.08E-05	2.70E-01	0.00E+00	2.01E+00	5.06E-09	2.01E+00	2.28E+00	2.70E-01	0.00E+00	0.00E+00	0.00E+00	1.72E-02
HDA126U	6.18E-04	2.82E-01	5.05E-02	2.31E-01	0.00E+00	0.00E+00	3.15E+00	3.06E-06	2.91E-04	1.83E-03	0.00E+00	5.33E-03	2.40E-08	7.08E-10	3.46E-02	5.80E-04	2.13E-02	3.72E-03	4.04E-04	9.59E-02	2.11E+00	0.00E+00	2.82E-09	3.70E-09	4.26E-04	1.12E-05	2.83E-01	0.00E+00	2.11E+00	5.25E-09	2.11E+00	2.39E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00	1.74E-02
HDA126Z	6.07E-04	2.76E-01	4.96E-02	2.27E-01	0.00E+00	0.00E+00	3.09E+00	3.00E-06	2.86E-04	1.79E-03	0.00E+00	5.24E-03	2.36E-08	6.95E-10	3.39E-02	5.70E-04	2.09E-02	3.65E-03	3.97E-04	9.41E-02	2.07E+00	0.00E+00	2.77E-09	3.64E-09	4.18E-04	1.09E-05	2.77E-01	0.00E+00	2.07E+00	5.16E-09	2.07E+00	2.35E+00	2.77E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-02
HDA160L	3.99E-04	1.77E-01	3.34E-02	1.44E-01	0.00E+00	0.00E+00	2.07E+00	1.97E-06	1.91E-04	1.19E-03	0.00E+00	3.50E-03	1.58E-08	4.63E-10	2.14E-02	3.83E-04	1.18E-02	0.00E+00	2.49E-04	5.89E-02	1.36E+00	0.00E+00	1.84E-09	2.39E-09	2.77E-04	7.07E-06	1.82E-01	0.00E+00	1.36E+00	3.34E-09	1.36E+00	1.54E+00	1.82E-01	0.00E+00	0.00E+00	0.00E+00	1.07E-02
HDA160U	4.05E-04	1.81E-01	3.36E-02	1.47E-01	0.00E+00	0.00E+00	2.09E+00	2.00E-06	1.93E-04	1.20E-03	0.00E+00	3.53E-03	1.60E-08	4.68E-10	2.19E-02	3.86E-04	1.24E-02	5.82E-04	2.56E-04	6.04E-02	1.38E+00	0.00E+00	1.86E-09	2.42E-09	2.80E-04	7.19E-06	1.84E-01	0.00E+00	1.38E+00	3.40E-09	1.38E+00	1.57E+00	1.84E-01	0.00E+00	0.00E+00	0.00E+00	1.10E-02
HDA160Z	3.86E-04	1.76E-01	3.16E-02	1.44E-01	0.00E+00	0.00E+00	1.97E+00	1.91E-06	1.82E-04	1.14E-03	0.00E+00	3.33E-03	1.50E-08	4.42E-10	2.16E-02	3.63E-04	1.33E-02	2.31E-03	2.53E-04	5.99E-02	1.32E+00	0.00E+00	1.76E-09	2.32E-09	2.66E-04	6.97E-06	1.77E-01	0.00E+00	1.32E+00	3.28E-09	1.32E+00	1.50E+00	1.77E-01	0.00E+00	0.00E+00	0.00E+00	1.09E-02
HDA161L	5.38E-04	2.38E-01	4.49E-02	1.94E-01	0.00E+00	0.00E+00	2.79E+00	2.65E-06	2.57E-04	1.60E-03	0.00E+00	4.71E-03	2.13E-08	6.23E-10	2.88E-02	5.16E-04	1.59E-02	0.00E+00	3.36E-04	7.93E-02	1.83E+00	0.00E+00	2.48E-09	3.21E-09	3.73E-04	9.51E-06	2.45E-01	0.00E+00	1.83E+00	4.50E-09	1.83E+00	2.08E+00	2.45E-01	0.00E+00	0.00E+00	0.00E+00	1.44E-02
HDA161U	6.33E-04	2.88E-01	5.17E-02	2.37E-01	0.00E+00	0.00E+00	3.22E+00	3.13E-06	2.98E-04	1.87E-03	0.00E+00	5.46E-03	2.46E-08	7.25E-10	3.54E-02	5.94E-04	2.18E-02	3.81E-03	4.14E-04	9.82E-02	2.16E+00	0.00E+00	2.89E-09	3.79E-09	4.36E-04	1.14E-05	2.89E-01	0.00E+00	2.16E+00	5.38E-09	2.16E+00	2.45E+00	2.89E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HDA161Z	4.49E-04	2.04E-01	3.67E-02	1.68E-01	0.00E+00	0.00E+00	2.29E+00	2.22E-06	2.11E-04	1.33E-03	0.00E+00	3.87E-03	1.74E-08	5.14E-10	2.51E-02	4.21E-04	1.54E-02	2.70E-03	2.94E-04	6.96E-02	1.53E+00	0.00E+00	2.05E-09	2.69E-09	3.09E-04	8.10E-06	2.05E-01	0.00E+00	1.53E+00	3.81E-09	1.53E+00	1.74E+00	2.05E-01	0.00E+00	0.00E+00	0.00E+00	1.26E-02
HDS014EC	2.07E-04	9.42E-02	1.69E-02	7.73E-02	0.00E+00	0.00E+00	1.05E+00	1.02E-06	9.74E-05	6.11E-04	0.00E+00	1.78E-03	8.03E-09	2.37E-10	1.16E-02	1.94E-04	7.11E-03	1.25E-03	1.35E-04	3.21E-02	7.06E-01	0.00E+00	9.44E-10	1.24E-09	1.43E-04	3.73E-06	9.45E-02	0.00E+00	7.06E-01	1.76E-09	7.06E-01	8.00E-01	9.45E-02	0.00E+00	0.00E+00	0.00E+00	5.81E-03
HDS018EC	2.14E-04	9.75E-02	1.75E-02	8.00E-02	0.00E+00	0.00E+00	1.09E+00	1.06E-06	1.01E-04	6.32E-04	0.00E+00	1.85E-03	8.31E-09	2.45E-10	1.20E-02	2.01E-04	7.36E-03	1.29E-03	1.40E-04	3.32E-02	7.30E-01	0.00E+00	9.77E-10	1.28E-09	1.47E-04	3.86E-06	9.78E-02	0.00E+00	7.30E-01	1.82E-09	7.30E-01	8.28E-01	9.78E-02	0.00E+00	0.00E+00	0.00E+00	6.01E-03
HDS023EC	2.17E-04	9.89E-02	1.77E-02	8.11E-02	0.00E+00	0.00E+00	1.10E+00	1.07E-06	1.02E-04	6.41E-04	0.00E+00	1.87E-03	8.42E-09	2.48E-10	1.21E-02	2.04E-04	7.46E-03	1.31E-03	1.42E-04	3.37E-02	7.40E-01	0.00E+00	9.90E-10	1.30E-09	1.50E-04	3.92E-06	9.92E-02	0.00E+00	7.40E-01	1.84E-09	7.40E-01	8.40E-01	9.92E-02	0.00E+00	0.00E+00	0.00E+00	6.10E-03
HDS030EC	2.07E-04	9.42E-02	1.69E-02	7.73E-02	0.00E+00	0.00E+00	1.05E+00	1.02E-06	9.74E-05	6.11E-04	0.00E+00	1.78E-03	8.03E-09	2.37E-10	1.16E-02	1.94E-04	7.11E-03	1.25E-03	1.35E-04	3.21E-02	7.06E-01	0.00E+00	9.44E-10	1.24E-09	1.43E-04	3.73E-06	9.45E-02	0.00E+00	7.06E-01	1.76E-09	7.06E-01	8.00E-01	9.45E-02	0.00E+00	0.00E+00	0.00E+00	5.81E-03
HDS038EC	2.14E-04	9.75E-02	1.75E-02	8.00E-02	0.00E+00	0.00E+00	1.09E+00	1.06E-06	1.01E-04	6.32E-04	0.00E+00	1.85E-03	8.31E-09	2.45E-10	1.20E-02	2.01E-04	7.36E-03	1.29E-03	1.40E-04	3.32E-02	7.30E-01	0.00E+00	9.77E-10	1.28E-09	1.47E-04	3.86E-06	9.78E-02	0.00E+00	7.30E-01	1.82E-09	7.30E-01	8.28E-01	9.78E-02	0.00E+00	0.00E+00	0.00E+00	6.01E-03
HDS048EC	1.78E-04	8.13E-02	1.46E-02	6.67E-02	0.00E+00	0.00E+00	9.08E-01	8.82E-07	8.40E-05	5.27E-04	0.00E+00	1.54E-03	6.92E-09	2.04E-10	9.97E-03	1.67E-04	6.13E-03	1.07E-03	1.17E-04	2.77E-02	6.09E-01	0.00E+00	8.14E-10	1.07E-09	1.23E-04	3.22E-06	8.15E-02	0.00E+00	6.09E-01	1.52E-09	6.09E-01	6.90E-01	8.15E-02	0.00E+00	0.00E+00	0.00E+00	5.01E-03
HDS061EC	2.09E-04	9.52E-02	1.71E-02	7.82E-02	0.00E+00	0.00E+00	1.06E+00	1.03E-06	9.84E-05	6.17E-04	0.00E+00	1.80E-03	8.11E-09	2.39E-10	1.17E-02	1.96E-04	7.19E-03	1.26E-03	1.37E-04	3.24E-02	7.13E-01	0.00E+00	9.54E-10	1.25E-09	1.44E-04	3.77E-06	9.56E-02	0.00E+00	7.13E-01	1.78E-09	7.13E-01	8.09E-01	9.56E-02	0.00E+00	0.00E+00	0.00E+00	5.87E-03
HDS078EC	2.11E-04	9.61E-02	1.72E-02	7.89E-02	0.00E+00	0.00E+00	1.07E+00	1.04E-06	9.93E-05	6.23E-04	0.00E+00	1.82E-03	8.19E-09	2.41E-10	1.18E-02	1.98E-04	7.25E-03	1.27E-03	1.38E-04	3.27E-02	7.20E-01	0.00E+00	9.63E-10	1.26E-09	1.45E-04	3.81E-06	9.64E-02	0.00E+00	7.20E-01	1.79E-09	7.20E-01	8.16E-01	9.64E-02	0.00E+00	0.00E+00	0.00E+00	5.92E-03
HDS098EC	2.17E-04	9.89E-02	1.77E-02	8.11E-02	0.00E+00	0.00E+00	1.10E+00	1.07E-06	1.02E-04	6.41E-04	0.00E+00	1.87E-03	8.42E-09	2.48E-10	1.21E-02	2.04E-04	7.46E-03	1.31E-03	1.42E-04	3.37E-02	7.40E-01	0.00E+00	9.90E-10	1.30E-09	1.50E-04	3.92E-06	9.92E-02	0.00E+00	7.40E-01	1.84E-09	7.40E-01	8.40E-01	9.92E-02	0.00E+00	0.00E+00	0.00E+00	6.10E-03
HDS123EC	1.55E-04	7.04E-02	1.26E-02	5.78E-02	0.00E+00	0.00E+00	7.87E-01	7.64E-07	7.28E-05	4.56E-04	0.00E+00	1.33E-03	6.00E-09	1.77E-10	8.64E-03	1.45E-04	5.31E-03	9.24E-04	1.01E-04	2.40E-02	5.28E-01	0.00E+00	7.06E-10	9.26E-10	1.07E-04	2.79E-06	7.07E-02	0.00E+00	5.28E-01	1.31E-09	5.28E-01	5.98E-01	7.07E-02	0.00E+00	0.00E+00	0.00E+00	4.34E-03
HEJ250DR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HEJ251DR	1.83E-03	8.33E-01	1.50E-01	6.83E-01	0.00E+00	0.00E+00	9.32E+00	9.04E-06	8.61E-04	5.40E-03	0.00E+00	1.58E-02	7.10E-08	2.09E-09	1.02E-01	1.72E-03	6.27E-02	1.07E-02	1.20E-03	2.83E-01	6.24E+00	0.00E+00	8.35E-09	1.10E-08	1.26E-03	3.30E-05	8.36E-01	0.00E+00	6.24E+00	1.55E-08	6.24E+00	7.08E+00	8.36E-01	0.00E+00	0.00E+00	0.00E+00	5.13E-02
HEJ320BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HEJ320DR	1.81E-03	8.26E-01	1.48E-01	6.78E-01	0.00E+00	0.00E+00	9.24E+00	8.97E-06	8.54E-04	5.36E-03	0.00E+00	1.56E-02	7.04E-08	2.08E-09	1.01E-01	1.70E-03	6.22E-02	1.08E-02	1.19E-03	2.81E-01	6.19E+00	0.00E+00	8.28E-09	1.09E-08	1.25E-03	3.27E-05	8.29E-01	0.00E+00	6.19E+00	1.54E-08	6.19E+00	7.02E+00	8.29E-01	0.00E+00	0.00E+00	0.00E+00	5.09E-02
HEJ321BR	1.35E-03	6.16E-01	1.11E-01	5.05E-01	0.00E+00	0.00E+00	6.89E+00	6.69E-06	6.37E-04	3.99E-03	0.00E+00	1.17E-02	5.25E-08	1.55E-09	7.56E-02	1.27E-03	4.64E-02	8.00E-03	8.84E-04	2.10E-01	4.62E+00	0.00E+00	6.18E-09	8.10E-09	9.32E-04	2.44E-05	6.18E-01	0.00E+00	4.62E+00	1.15E-08	4.62E+00	5.23E+00	6.18E-01	0.00E+00	0.00E+00	0.00E+00	3.80E-02
HEJ321DR	1.62E-03	7.38E-01	1.33E-01	6.05E-01	0.00E+00	0.00E+00	8.26E+00	8.02E-06	7.63E-04	4.79E-03	0.00E+00	1.40E-02	6.30E-08	1.86E-09	9.05E-02	1.52E-03	5.55E-02	9.46E-03	1.06E-03	2.51E-01	5.53E+00	0.00E+00	7.40E-09	9.71E-09	1.12E-03	2.92E-05	7.41E-01	0.00E+00	5.53E+00	1.38E-08	5.53E+00	6.27E+00	7.41E-01	0.00E+00	0.00E+00	0.00E+00	4.55E-02
HEJ400DR	1.86E-03	8.46E-01	1.52E-01	6.94E-01	0.00E+00	0.00E+00	9.47E+00	9.19E-06	8.75E-04	5.49E-03	0.00E+00	1.60E-02	7.22E-08	2.13E-09	1.04E-01	1.75E-03	6.38E-02	1.11E-02	1.21E-03	2.88E-01	6.34E+00	0.00E+00	8.48E-09	1.11E-08	1.28E-03	3.35E-05	8.49E-01	0.00E+00	6.34E+00	1.58E-08	6.34E+00	7.19E+00	8.49E-01	0.00E+00	0.00E+00	0.00E+00	5.22E-02
HEJ401DR	2.07E-03	9.41E-01	1.69E-01	7.72E-01	0.00E+00	0.00E+00	1.05E+01	1.02E-05	9.73E-04	6.10E-03	0.00E+00	1.78E-02	8.03E-08	2.37E-09	1.15E-01	1.94E-03	7.09E-02	1.22E-02	1.35E-03	3.20E-01	7.05E+00	0.00E+00	9.43E-09	1.24E-08	1.42E-03	3.73E-05	9.45E-01	0.00E+00	7.05E+00	1.76E-08	7.05E+00	8.00E+00	9.45E-01	0.00E+00	0.00E+00	0.00E+00	5.80E-02
HEJ500BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HES025BC	5.26E-04	2.40E-01	4.30E-02	1.97E-01	0.00E+00	0.00E+00	2.68E+00	2.60E-06	2.48E-04	1.55E-03	0.00E+00	4.54E-03	2.04E-08	6.02E-10	2.94E-02	4.94E-04	1.81E-02	3.15E-03	3.44E-04	8.15E-02	1.79E+00	0.00E+00	2.40E-09	3.15E-09	3.62E-04	9.49E-06	2.40E-01	0.00E+00	1.79E+00	4.47E-09	1.79E+00	2.03E+00	2.40E-01	0.00E+00	0.00E+00	0.00E+00	1.48E-02
HES025BR	7.93E-04	3.62E-01	6.48E-02	2.97E-01	0.00E+00	0.00E+00	4.04E+00	3.92E-06	3.73E-04	2.34E-03	0.00E+00	6.84E-03	3.08E-08	9.08E-10	4.44E-02	7.45E-04	2.73E-02	4.82E-03	5.19E-04	1.23E-01	2.71E+00	0.00E+00	3.62E-09	4.75E-09	5.47E-04	1.43E-05	3.63E-01	0.00E+00	2.71E+00	6.74E-09	2.71E+00	3.07E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-02
HES025DC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HES025DR	7.04E-04	3.21E-01	5.76E-02	2.63E-01	0.00E+00	0.00E+00	3.59E+00	3.48E-06	3.32E-04	2.08E-03	0.00E+00	6.08E-03	2.73E-08	8.06E-10	3.94E-02	6.61E-04	2.42E-02	4.26E-03	4.61E-04	1.09E-01	2.40E+00	0.00E+00	3.21E-09	4.22E-09	4.85E-04	1.27E-05	3.22E-01	0.00E+00	2.40E+00	5.98E-09	2.40E+00	2.73E+00	3.22E-01	0.00E+00	0.00E+00	0.00E+00	1.98E-02
HES026BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES026BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES026DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES026DR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES040BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HES040BR	7.93E-04	3.62E-01	6.48E-02	2.97E-01	0.00E+00	0.00E+00	4.04E+00	3.92E-06	3.73E-04	2.34E-03	0.00E+00	6.84E-03	3.08E-08	9.08E-10	4.44E-02	7.45E-04	2.73E-02	4.82E-03	5.19E-04	1.23E-01	2.71E+00	0.00E+00	3.62E-09	4.75E-09	5.47E-04	1.43E-05	3.63E-01	0.00E+00	2.71E+00	6.74E-09	2.71E+00	3.07E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-02
HES040DC	5.17E-04	2.35E-01	4.22E-02	1.93E-01	0.00E+00	0.00E+00	2.63E+00	2.56E-06	2.43E-04	1.53E-03	0.00E+00	4.46E-03	2.01E-08	5.92E-10	2.89E-02	4.85E-04	1.78E-02	3.10E-03	3.38E-04	8.01E-02	1.76E+00	0.00E+00	2.36E-09	3.10E-09	3.56E-04	9.33E-06	2.36E-01	0.00E+00	1.76E+00	4.39E-09	1.76E+00	2.00E+00	2.36E-01	0.00E+00	0.00E+00	0.00E+00	1.45E-02
HES040DR	7.04E-04	3.21E-01	5.76E-02	2.63E-01	0.00E+00	0.00E+00	3.59E+00	3.48E-06	3.32E-04	2.08E-03	0.00E+00	6.08E-03	2.73E-08	8.06E-10	3.94E-02	6.61E-04	2.42E-02	4.26E-03	4.61E-04	1.09E-01	2.40E+00	0.00E+00	3.21E-09	4.22E-09	4.85E-04	1.27E-05	3.22E-01	0.00E+00	2.40E+00	5.98E-09	2.40E+00	2.73E+00	3.22E-01	0.00E+00	0.00E+00	0.00E+00	1.98E-02
HES041BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES041BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES041DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES041DR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES050BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HES050BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HES051BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES051BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES063BC	4.61E-04	2.10E-01	3.77E-02	1.72E-01	0.00E+00	0.00E+00	2.35E+00	2.28E-06	2.17E-04	1.36E-03	0.00E+00	3.98E-03	1.79E-08	5.27E-10	2.58E-02	4.33E-04	1.58E-02	2.75E-03	3.01E-04	7.14E-02	1.57E+00	0.00E+00	2.10E-09	2.76E-09	3.18E-04	8.31E-06	2.11E-01	0.00E+00	1.57E+00	3.91E-09	1.57E+00	1.78E+00	2.11E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HES063BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HES063DC	6.42E-04	2.93E-01	5.25E-02	2.40E-01	0.00E+00	0.00E+00	3.27E+00	3.18E-06	3.02E-04	1.90E-03	0.00E+00	5.54E-03	2.49E-08	7.35E-10	3.59E-02	6.03E-04	2.21E-02	3.87E-03	4.20E-04	9.96E-02	2.19E+00	0.00E+00	2.93E-09	3.85E-09	4.43E-04	1.16E-05	2.94E-01	0.00E+00	2.19E+00	5.46E-09	2.19E+00	2.49E+00	2.94E-01	0.00E+00	0.00E+00	0.00E+00	1.80E-02
HES063DR	7.93E-04	3.62E-01	6.48E-02	2.97E-01	0.00E+00	0.00E+00	4.04E+00	3.92E-06	3.73E-04	2.34E-03	0.00E+00	6.84E-03	3.08E-08	9.08E-10	4.44E-02	7.45E-04	2.73E-02	4.81E-03	5.19E-04	1.23E-01	2.71E+00	0.00E+00	3.62E-09	4.75E-09	5.47E-04	1.43E-05	3.63E-01	0.00E+00	2.71E+00	6.74E-09	2.71E+00	3.07E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-02
HES064BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02

HES064BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES064DC	7.78E-04	3.55E-01	6.36E-02	2.91E-01	0.00E+00	0.00E+00	3.97E+00	3.85E-06	3.67E-04	2.30E-03	0.00E+00	6.72E-03	3.02E-08	8.91E-10	4.36E-02	7.31E-04	2.68E-02	4.68E-03	5.09E-04	1.21E-01	2.66E+00	0.00E+00	3.55E-09	4.67E-09	5.37E-04	1.41E-05	3.56E-01	0.00E+00	2.66E+00	6.62E-09	2.66E+00	3.01E+00	3.56E-01	0.00E+00	0.00E+00	0.00E+00	2.19E-02
HES064DR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES080BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HES080BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HES080DC	6.98E-04	3.18E-01	5.71E-02	2.61E-01	0.00E+00	0.00E+00	3.56E+00	3.45E-06	3.29E-04	2.06E-03	0.00E+00	6.02E-03	2.71E-08	7.99E-10	3.90E-02	6.55E-04	2.40E-02	4.22E-03	4.57E-04	1.08E-01	2.38E+00	0.00E+00	3.19E-09	4.18E-09	4.81E-04	1.26E-05	3.19E-01	0.00E+00	2.38E+00	5.93E-09	2.38E+00	2.70E+00	3.19E-01	0.00E+00	0.00E+00	0.00E+00	1.96E-02
HES080DR	7.93E-04	3.62E-01	6.48E-02	2.97E-01	0.00E+00	0.00E+00	4.04E+00	3.92E-06	3.73E-04	2.34E-03	0.00E+00	6.84E-03	3.08E-08	9.08E-10	4.44E-02	7.45E-04	2.73E-02	4.81E-03	5.19E-04	1.23E-01	2.71E+00	0.00E+00	3.62E-09	4.75E-09	5.47E-04	1.43E-05	3.63E-01	0.00E+00	2.71E+00	6.74E-09	2.71E+00	3.07E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-02
HES081BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES081BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES081DC	5.20E-04	2.37E-01	4.25E-02	1.94E-01	0.00E+00	0.00E+00	2.65E+00	2.57E-06	2.45E-04	1.54E-03	0.00E+00	4.49E-03	2.02E-08	5.96E-10	2.91E-02	4.89E-04	1.79E-02	3.09E-03	3.40E-04	8.06E-02	1.78E+00	0.00E+00	2.38E-09	3.12E-09	3.59E-04	9.39E-06	2.38E-01	0.00E+00	1.78E+00	4.42E-09	1.78E+00	2.01E+00	2.38E-01	0.00E+00	0.00E+00	0.00E+00	1.46E-02
HES081DR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES100BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HES100BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HES100DC	7.27E-04	3.31E-01	5.94E-02	2.72E-01	0.00E+00	0.00E+00	3.70E+00	3.59E-06	3.42E-04	2.15E-03	0.00E+00	6.27E-03	2.82E-08	8.32E-10	4.07E-02	6.82E-04	2.50E-02	4.39E-03	4.76E-04	1.13E-01	2.48E+00	0.00E+00	3.32E-09	4.36E-09	5.01E-04	1.31E-05	3.32E-01	0.00E+00	2.48E+00	6.18E-09	2.48E+00	2.81E+00	3.32E-01	0.00E+00	0.00E+00	0.00E+00	2.04E-02
HES100DR	7.93E-04	3.62E-01	6.48E-02	2.97E-01	0.00E+00	0.00E+00	4.04E+00	3.92E-06	3.73E-04	2.34E-03	0.00E+00	6.84E-03	3.08E-08	9.08E-10	4.44E-02	7.45E-04	2.73E-02	4.81E-03	5.19E-04	1.23E-01	2.71E+00	0.00E+00	3.62E-09	4.75E-09	5.47E-04	1.43E-05	3.63E-01	0.00E+00	2.71E+00	6.74E-09	2.71E+00	3.07E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-02
HES101BC	4.76E-04	2.17E-01	3.89E-02	1.78E-01	0.00E+00	0.00E+00	2.42E+00	2.35E-06	2.24E-04	1.40E-03	0.00E+00	4.11E-03	1.85E-08	5.45E-10	2.66E-02	4.47E-04	1.63E-02	2.81E-03	3.11E-04	7.37E-02	1.62E+00	0.00E+00	2.17E-09	2.85E-09	3.28E-04	8.58E-06	2.17E-01	0.00E+00	1.62E+00	4.04E-09	1.62E+00	1.84E+00	2.17E-01	0.00E+00	0.00E+00	0.00E+00	1.34E-02
HES101BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES101DC	8.02E-04	3.66E-01	6.56E-02	3.00E-01	0.00E+00	0.00E+00	4.09E+00	3.97E-06	3.78E-04	2.37E-03	0.00E+00	6.92E-03	3.12E-08	9.19E-10	4.49E-02	7.53E-04	2.76E-02	4.83E-03	5.25E-04	1.24E-01	2.74E+00	0.00E+00	3.66E-09	4.81E-09	5.53E-04	1.45E-05	3.67E-01	0.00E+00	2.74E+00	6.82E-09	2.74E+00	3.11E+00	3.67E-01	0.00E+00	0.00E+00	0.00E+00	2.25E-02
HES101DR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES102DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES125BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HES125BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HES125DC	7.16E-04	3.26E-01	5.85E-02	2.68E-01	0.00E+00	0.00E+00	3.65E+00	3.54E-06	3.37E-04	2.11E-03	0.00E+00	6.18E-03	2.78E-08	8.19E-10	4.00E-02	6.72E-04	2.46E-02	4.33E-03	4.68E-04	1.11E-01	2.44E+00	0.00E+00	3.27E-09	4.29E-09	4.93E-04	1.29E-05	3.27E-01	0.00E+00	2.44E+00	6.08E-09	2.44E+00	2.77E+00	3.27E-01	0.00E+00	0.00E+00	0.00E+00	2.01E-02
HES125DR	7.93E-04	3.62E-01	6.48E-02	2.97E-01	0.00E+00	0.00E+00	4.04E+00	3.92E-06	3.73E-04	2.34E-03	0.00E+00	6.84E-03	3.08E-08	9.08E-10	4.44E-02	7.45E-04	2.73E-02	4.81E-03	5.19E-04	1.23E-01	2.71E+00	0.00E+00	3.62E-09	4.75E-09	5.47E-04	1.43E-05	3.63E-01	0.00E+00	2.71E+00	6.74E-09	2.71E+00	3.07E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-02
HES126BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES126BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES126DC	7.22E-04	3.29E-01	5.90E-02	2.70E-01	0.00E+00	0.00E+00	3.68E+00	3.57E-06	3.40E-04	2.13E-03	0.00E+00	6.23E-03	2.80E-08	8.27E-10	4.04E-02	6.78E-04	2.48E-02	4.33E-03	4.72E-04	1.12E-01	2.47E+00	0.00E+00	3.30E-09	4.33E-09	4.98E-04	1.30E-05	3.30E-01	0.00E+00	2.47E+00	6.14E-09	2.47E+00	2.80E+00	3.30E-01	0.00E+00	0.00E+00	0.00E+00	2.03E-02
HES126DR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES127DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES160BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HES160BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HES160DC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HES160DR	5.15E-04	2.35E-01	4.21E-02	1.92E-01	0.00E+00	0.00E+00	2.62E+00	2.55E-06	2.42E-04	1.52E-03	0.00E+00	4.44E-03	2.00E-08	5.89E-10	2.88E-02	4.83E-04	1.77E-02	3.09E-03	3.37E-04	7.98E-02	1.76E+00	0.00E+00	2.35E-09	3.09E-09	3.55E-04	9.29E-06	2.35E-01	0.00E+00	1.76E+00	4.37E-09	1.76E+00	1.99E+00	2.35E-01	0.00E+00	0.00E+00	0.00E+00	1.45E-02
HES161BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HES161BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES161DC	6.96E-04	3.17E-01	5.69E-02	2.60E-01	0.00E+00	0.00E+00	3.55E+00	3.45E-06	3.28E-04	2.06E-03	0.00E+00	6.01E-03	2.70E-08	7.97E-10	3.90E-02	6.54E-04	2.39E-02	4.18E-03	4.56E-04	1.08E-01	2.38E+00	0.00E+00	3.18E-09	4.17E-09	4.80E-04	1.26E-05	3.19E-01	0.00E+00	2.38E+00	5.92E-09	2.38E+00	2.70E+00	3.19E-01	0.00E+00	0.00E+00	0.00E+00	1.96E-02
HES161DR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HES162DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HET050DR	1.02E-03	4.63E-01	8.31E-02	3.80E-01	0.00E+00	0.00E+00	5.18E+00	5.03E-06	4.78E-04	3.00E-03	0.00E+00	8.77E-03	3.95E-08	1.16E-09	5.69E-02	9.54E-04	3.50E-02	6.15E-03	6.65E-04	1.58E-01	3.47E+00	0.00E+00	4.64E-09	6.09E-09	7.00E-04	1.83E-05	4.65E-01	0.00E+00	3.47E+00	8.64E-09	3.47E+00	3.93E+00	4.65E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HET051DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HET063DR	1.02E-03	4.63E-01	8.31E-02	3.80E-01	0.00E+00	0.00E+00	5.18E+00	5.03E-06	4.78E-04	3.00E-03	0.00E+00	8.77E-03	3.95E-08	1.16E-09	5.69E-02	9.54E-04	3.50E-02	6.15E-03	6.65E-04	1.58E-01	3.47E+00	0.00E+00	4.64E-09	6.09E-09	7.00E-04	1.83E-05	4.65E-01	0.00E+00	3.47E+00	8.64E-09	3.47E+00	3.93E+00	4.65E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HET064DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HET100BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HET100DR	4.98E-04	2.27E-01	4.07E-02	1.86E-01	0.00E+00	0.00E+00	2.54E+00	2.46E-06	2.35E-04	1.47E-03	0.00E+00	4.30E-03	1.93E-08	5.70E-10	2.78E-02	4.68E-04	1.71E-02	2.94E-03	3.25E-04	7.72E-02	1.70E+00	0.00E+00	2.27E-09	2.98E-09	3.43E-04	8.98E-06	2.28E-01	0.00E+00	1.70E+00	4.23E-09	1.70E+00	1.93E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-02
HET101BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HET101DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HET102DR	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HET125BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HET125DR	1.02E-03	4.63E-01	8.31E-02	3.80E-01	0.00E+00	0.00E+00	5.18E+00	5.03E-06	4.78E-04	3.00E-03	0.00E+00	8.77E-03	3.95E-08	1.16E-09	5.69E-02	9.54E-04	3.50E-02	6.15E-03	6.65E-04	1.58E-01	3.47E+00	0.00E+00	4.64E-09	6.09E-09	7.00E-04	1.83E-05	4.65E-01	0.00E+00	3.47E+00	8.64E-09	3.47E+00	3.93E+00	4.65E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HET126BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HET126DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HET127DR	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HET160BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HET160DR	4.99E-04	2.27E-01	4.08E-02	1.86E-01	0.00E+00	0.00E+00	2.54E+00	2.47E-06	2.35E-04	1.47E-03	0.00E+00	4.31E-03	1.94E-08	5.72E-10	2.79E-02	4.69E-04	1.71E-02	2.95E-03	3.26E-04	7.73E-02	1.70E+00	0.00E+00	2.28E-09	2.99E-09	3.44E-04	9.00E-06	2.28E-01	0.00E+00	1.70E+00	4.24E-09	1.70E+00	1.93E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-02
HET161BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HET161DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HET162DR	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HET200BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HET200DR	6.47E-04	2.95E-01	5.29E-02	2.42E-01	0.00E+00	0.00E+00	3.30E+00	3.20E-06	3.05E-04	1.91E-03	0.00E+00	5.59E-03	2.51E-08	7.41E-10	3.62E-02	6.08E-04	2.22E-02	3.86E-03	4.23E-04	1.00E-01	2.21E+00	0.00E+00	2.96E-09	3.88E-09	4.46E-04	1.17E-05	2.96E-01	0.00E+00	2.21E+00	5.50E-09	2.21E+00	2.51E+00	2.96E-01	0.00E+00	0.00E+00	0.00E+00	1.82E-02
HET201BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HET201DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HET202DR	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HET250BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HET250DR	6.39E-04	2.91E-01	5.23E-02	2.39E-01	0.00E+00	0.00E+00	3.26E+00	3.16E-06	3.01E-04	1.89E-03	0.00E+00	5.52E-03	2.48E-08	7.32E-10	3.57E-02	6.00E-04	2.19E-02	3.81E-03	4.18E-04	9.91E-02	2.18E+00	0.00E+00	2.92E-09	3.83E-09	4.40E-04	1.15E-05	2.92E-01	0.00E+00	2.18E+00	5.43E-09	2.18E+00	2.47E+00	2.92E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HET251BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HET251DR	1.44E-03	6.59E-01	1.18E-01	5.40E-01	0.00E+00	0.00E+00	7.36E+00	7.15E-06	6.80E-04	4.27E-03	0.00E+00	1.25E-02	5.61E-08	1.65E-09	8.09E-02	1.36E-03	4.97E-02	8.76E-03	9.46E-04	2.24E-01	4.93E+00	0.00E+00	6.60E-09	8.66E-09	9.96E-04	2.61E-05	6.61E-01	0.00E+00	4.93E+00	1.23E-08	4.93E+00	5.59E+00	6.61E-01	0.00E+00	0.00E+00	0.00E+00	4.06E-02
HET252DR	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HEW250DR	1.67E-03	7.59E-01	1.36E-01	6.23E-01	0.00E+00	0.00E+00	8.50E+00	8.25E-06	7.85E-04	4.92E-03	0.00E+00	1.44E-02	6.48E-08	1.91E-09	9.32E-02	1.57E-03	5.72E-02	9.88E-03	1.09E-03	2.58E-01	5.69E+00	0.00E+00	7.61E-09	9.99E-09	1.15E-03	3.01E-05	7.62E-01	0.00E+00	5.69E+00	1.42E-08	5.69E+00	6.45E+00	7.62E-01	0.00E+00	0.00E+00	0.00E+00	4.68E-02
HEW251DR	1.90E-03	8.67E-01	1.56E-01	7.11E-01	0.00E+00	0.00E+00	9.70E+00	9.41E-06	8.96E-04	5.62E-03	0.00E+00	1.64E-02	7.39E-08	2.18E-09	1.06E-01	1.79E-03	6.52E-02	1.12E-02	1.24E-03	2.95E-01	6.50E+00	0.00E+00	8.69E-09	1.14E-08	1.31E-03	3.43E-05	8.70E-01	0.00E+00	6.50E+00	1.62E-08	6.50E+00	7.37E+00	8.70E-01	0.00E+00	0.00E+00	0.00E+00	5.34E-02
HEW320BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HEW320DR	1.78E-03	8.12E-01	1.46E-01	6.67E-01	0.00E+00	0.00E+00	9.09E+00	8.82E-06	8.40E-04	5.27E-03	0.00E+00	1.54E-02	6.93E-08	2.04E-09	9.97E-02	1.68E-03	6.12E-02	1.06E-02	1.17E-03	2.76E-01	6.09E+00	0.00E+00	8.14E-09	1.07E-08	1.23E-03	3.22E-05	8.16E-01	0.00E+00	6.09E+00	1.52E-08	6.09E+00	6.90E+00	8.16E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-02
HEW321BR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HEW321DR	1.95E-03	8.87E-01	1.59E-01	7.28E-01	0.00E+00	0.00E+00	9.92E+00	9.63E-06	9.17E-04	5.75E-03	0.00E+00	1.68E-02	7.57E-08	2.23E-09	1.09E-01	1.83E-03	6.68E-02	1.15E-02	1.27E-03	3.02E-01	6.65E+00	0.00E+00	8.89E-09	1.17E-08	1.34E-03	3.51E-05	8.90E-01	0.00E+00	6.65E+00	1.65E-08	6.65E+00	7.54E+00	8.90E-01	0.00E+00	0.00E+00	0.00E+00	5.47E-02
HEW400DR	1.80E-03	8.19E-01	1.47E-01	6.72E-01	0.00E+00	0.00E+00	9.16E+00	8.89E-06	8.47E-04	5.31E-03	0.00E+00	1.55E-02	6.98E-08	2.06E-09	1.01E-01	1.69E-03	6.17E-02	1.07E-02	1.18E-03	2.79E-01	6.14E+00	0.00E+00	8.21E-09	1.08E-08	1.24E-03	3.24E-05	8.22E-01	0.00E+00	6.14E+00	1.53E-08	6.14E+00	6.96E+00	8.22E-01	0.00E+00	0.00E+00	0.00E+00	5.05E-02
HEW401DR	2.02E-03	9.21E-01	1.65E-01	7.55E-01	0.00E+00	0.00E+00	1.03E+01	1.00E-05	9.52E-04	5.97E-03	0.00E+00	1.75E-02	7.85E-08	2.32E-09	1.13E-01	1.90E-03	6.93E-02	1.19E-02	1.32E-03	3.13E-01	6.90E+00	0.00E+00	9.23E-09	1.21E-08	1.39E-03	3.65E-05	9.24E-01	0.00E+00	6.90E+00	1.72E-08	6.90E+00	7.83E+00	9.24E-01	0.00E+00	0.00E+00	0.00E+00	5.67E-02
HEW500BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HEW501BR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HHA014E	2.13E-04	9.72E-02	1.74E-02	7.97E-02	0.00E+00	0.00E+00	1.09E+00	1.05E-06	1.00E-04	6.30E-04	0.00E+00	1.84E-03	8.28E-09	2.44E-10	1.19E-02	2.00E-04	7.33E-03	1.29E-03	1.40E-04	3.31E-02	7.28E-01	0.00E+00	9.73E-10	1.28E-09	1.47E-04	3.85E-06	9.75E-02	0.00E+00	7.28E-01	1.81E-09	7.28E-01	8.25E-01	9.75E-02	0.00E+00	0.00E+00	0.00E+00	5.99E-03
HHA014Z	2.47E-04	1.12E-01	2.02E-02	9.22E-02	0.00E+00	0.00E+00	1.26E+00	1.22E-06	1.16E-04	7.28E-04	0.00E+00	2.13E-03	9.57E-09	2.82E-10	1.38E-02	2.32E-04	8.49E-03	1.49E-03	1.61E-04	3.83E-02	8.42E-01	0.00E+00	1.13E-09	1.48E-09	1.70E-04	4.45E-06	1.13E-01	0.00E+00	8.42E-01	2.10E-09	8.42E-01	9.55E-01	1.13E-01	0.00E+00	0.00E+00	0.00E+00	6.93E-03
HHA016Z	3.90E-04	1.78E-01	3.19E-02	1.46E-01	0.00E+00	0.00E+00	1.99E+00	1.93E-06	1.84E-04	1.15E-03	0.00E+00	3.37E-03	1.52E-08	4.47E-10	2.18E-02	3.67E-04	1.34E-02	2.33E-03	2.55E-04	6.05E-02	1.33E+00	0.00E+00	1.78E-09	2.34E-09	2.69E-04	7.04E-06	1.78E-01	0.00E+00	1.33E+00	3.32E-09	1.33E+00	1.51E+00	1.78E-01	0.00E+00	0.00E+00	0.00E+00	1.10E-02
HHA017Z	5.21E-04	2.37E-01	4.26E-02	1.95E-01	0.00E+00	0.00E+00	2.65E+00	2.58E-06	2.45E-04	1.54E-03	0.00E+00	4.50E-03	2.02E-08	5.97E-10	2.91E-02	4.89E-04	1.79E-02	3.12E-03	3.41E-04	8.08E-02	1.78E+00	0.00E+00	2.38E-09	3.12E-09	3.59E-04	9.40E-06	2.38E-01	0.00E+00	1.78E+00	4.43E-09	1.78E+00	2.02E+00	2.38E-01	0.00E+00	0.00E+00	0.00E+00	1.46E-02
HHA018E	2.08E-04	9.50E-02	1.70E-02	7.79E-02	0.00E+00	0.00E+00	1.06E+00	1.03E-06	9.81E-05	6.15E-04	0.00E+00	1.80E-03	8.09E-09	2.39E-10	1.17E-02	1.96E-04	7.17E-03	1.26E-03	1.36E-04	3.23E-02	7.11E-01	0.00E+00	9.51E-10	1.25E-09	1.44E-04	3.76E-06	9.53E-02	0.00E+00	7.11E-01	1.77E-09	7.11E-01	8.07E-01	9.53E-02	0.00E+00	0.00E+00	0.00E+00	5.85E-03
HHA018Z	2.47E-04	1.12E-01	2.02E-02	9.22E-02	0.00E+00	0.00E+00	1.26E+00	1.22E-06	1.16E-04	7.28E-04	0.00E+00	2.13E-03	9.57E-09	2.82E-10	1.38E-02	2.32E-04	8.49E-03	1.49E-03	1.61E-04	3.83E-02	8.42E-01	0.00E+00	1.13E-09	1.48E-09	1.70E-04	4.45E-06	1.13E-01	0.00E+00	8.42E-01	2.10E-09	8.42E-01	9.55E-01	1.13E-01	0.00E+00	0.00E+00	0.00E+00	6.93E-03
HHA020Z	3.99E-04	1.82E-01	3.26E-02	1.49E-01	0.00E+00	0.00E+00	2.03E+00	1.97E-06	1.88E-04	1.18E-03	0.00E+00	3.44E-03	1.55E-08	4.57E-10	2.23E-02	3.75E-04	1.37E-02	2.39E-03	2.61E-04	6.19E-02	1.36E+00	0.00E+00	1.82E-09	2.39E-09	2.75E-04	7.20E-06	1.82E-01	0.00E+00	1.36E+00	3.39E-09	1.36E+00	1.54E+00	1.82E-01	0.00E+00	0.00E+00	0.00E+00	1.12E-02
HHA021Z	6.07E-04	2.77E-01	4.96E-02	2.27E-01	0.00E+00	0.00E+00	3.09E+00	3.00E-06	2.86E-04	1.79E-03	0.00E+00	5.24E-03	2.36E-08	6.95E-10	3.40E-02	5.70E-04	2.09E-02	3.65E-03	3.97E-04	9.42E-02	2.07E+00	0.00E+00	2.77E-09	3.64E-09	4.19E-04	1.10E-05	2.78E-01	0.00E+00	2.07E+00	5.16E-09	2.07E+00	2.35E+00	2.78E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-02

HHA023E	2.22E-04	1.01E-01	1.82E-02	8.32E-02	0.00E+00	0.00E+00	1.13E+00	1.10E-06	1.05E-04	6.57E-04	0.00E+00	1.92E-03	8.63E-09	2.55E-10	1.24E-02	2.09E-04	7.65E-03	1.34E-03	1.46E-04	3.45E-02	7.59E-01	0.00E+00	1.02E-09	1.33E-09	1.53E-04	4.01E-06	1.02E-01	0.00E+00	7.59E-01	1.89E-09	7.59E-01	8.61E-01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	6.25E-03
HHA023Z	2.47E-04	1.12E-01	2.02E-02	9.22E-02	0.00E+00	0.00E+00	1.26E+00	1.22E-06	1.16E-04	7.28E-04	0.00E+00	2.13E-03	9.57E-09	2.82E-10	1.38E-02	2.32E-04	8.49E-03	1.49E-03	1.61E-04	3.83E-02	8.42E-01	0.00E+00	1.13E-09	1.48E-09	1.70E-04	4.45E-06	1.13E-01	0.00E+00	8.42E-01	2.10E-09	8.42E-01	9.55E-01	1.13E-01	0.00E+00	0.00E+00	0.00E+00	6.93E-03
HHA025H	3.45E-04	1.57E-01	2.82E-02	1.29E-01	0.00E+00	0.00E+00	1.76E+00	1.71E-06	1.62E-04	1.02E-03	0.00E+00	2.98E-03	1.34E-08	3.95E-10	1.93E-02	3.24E-04	1.18E-02	2.05E-03	2.25E-04	5.34E-02	1.18E+00	0.00E+00	1.57E-09	2.07E-09	2.38E-04	6.22E-06	1.58E-01	0.00E+00	1.18E+00	2.93E-09	1.18E+00	1.33E+00	1.58E-01	0.00E+00	0.00E+00	0.00E+00	9.68E-03
HHA025U	4.96E-04	2.26E-01	4.05E-02	1.85E-01	0.00E+00	0.00E+00	2.52E+00	2.45E-06	2.33E-04	1.46E-03	0.00E+00	4.28E-03	1.92E-08	5.67E-10	2.77E-02	4.65E-04	1.70E-02	2.99E-03	3.24E-04	7.69E-02	1.69E+00	0.00E+00	2.26E-09	2.97E-09	3.42E-04	8.94E-06	2.27E-01	0.00E+00	1.69E+00	4.21E-09	1.69E+00	1.92E+00	2.27E-01	0.00E+00	0.00E+00	0.00E+00	1.39E-02
HHA025Z	3.93E-04	1.79E-01	3.21E-02	1.47E-01	0.00E+00	0.00E+00	2.00E+00	1.94E-06	1.85E-04	1.16E-03	0.00E+00	3.39E-03	1.53E-08	4.50E-10	2.20E-02	3.69E-04	1.35E-02	2.35E-03	2.57E-04	6.09E-02	1.34E+00	0.00E+00	1.79E-09	2.36E-09	2.71E-04	7.09E-06	1.80E-01	0.00E+00	1.34E+00	3.34E-09	1.34E+00	1.52E+00	1.80E-01	0.00E+00	0.00E+00	0.00E+00	1.10E-02
HHA026H	3.43E-04	1.56E-01	2.81E-02	1.28E-01	0.00E+00	0.00E+00	1.75E+00	1.70E-06	1.62E-04	1.01E-03	0.00E+00	2.96E-03	1.33E-08	3.93E-10	1.92E-02	3.22E-04	1.17E-02	2.01E-03	2.24E-04	5.31E-02	1.17E+00	0.00E+00	1.57E-09	2.06E-09	2.36E-04	6.19E-06	1.57E-01	0.00E+00	1.17E+00	2.91E-09	1.17E+00	1.33E+00	1.57E-01	0.00E+00	0.00E+00	0.00E+00	9.62E-03
HHA026U	6.14E-04	2.80E-01	5.02E-02	2.29E-01	0.00E+00	0.00E+00	3.13E+00	3.04E-06	2.89E-04	1.81E-03	0.00E+00	5.30E-03	2.38E-08	7.03E-10	3.43E-02	5.76E-04	2.11E-02	3.69E-03	4.02E-04	9.52E-02	2.09E+00	0.00E+00	2.80E-09	3.68E-09	4.23E-04	1.11E-05	2.81E-01	0.00E+00	2.09E+00	5.21E-09	2.09E+00	2.38E+00	2.81E-01	0.00E+00	0.00E+00	0.00E+00	1.72E-02
HHA026Z	4.39E-04	2.00E-01	3.59E-02	1.64E-01	0.00E+00	0.00E+00	2.24E+00	2.17E-06	2.07E-04	1.30E-03	0.00E+00	3.79E-03	1.71E-08	5.03E-10	2.46E-02	4.13E-04	1.51E-02	2.61E-03	2.87E-04	6.81E-02	1.50E+00	0.00E+00	2.01E-09	2.63E-09	3.03E-04	7.93E-06	2.01E-01	0.00E+00	1.50E+00	3.73E-09	1.50E+00	1.70E+00	2.01E-01	0.00E+00	0.00E+00	0.00E+00	1.23E-02
HHA030E	2.22E-04	1.01E-01	1.82E-02	8.31E-02	0.00E+00	0.00E+00	1.13E+00	1.10E-06	1.05E-04	6.56E-04	0.00E+00	1.92E-03	8.63E-09	2.54E-10	1.24E-02	2.09E-04	7.65E-03	1.34E-03	1.45E-04	3.45E-02	7.59E-01	0.00E+00	1.01E-09	1.33E-09	1.53E-04	4.01E-06	1.02E-01	0.00E+00	7.59E-01	1.89E-09	7.59E-01	8.60E-01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	6.24E-03
HHA030Z	2.47E-04	1.12E-01	2.02E-02	9.22E-02	0.00E+00	0.00E+00	1.26E+00	1.22E-06	1.16E-04	7.28E-04	0.00E+00	2.13E-03	9.57E-09	2.82E-10	1.38E-02	2.32E-04	8.49E-03	1.49E-03	1.61E-04	3.83E-02	8.42E-01	0.00E+00	1.13E-09	1.48E-09	1.70E-04	4.45E-06	1.13E-01	0.00E+00	8.42E-01	2.10E-09	8.42E-01	9.55E-01	1.13E-01	0.00E+00	0.00E+00	0.00E+00	6.93E-03
HHA032Z	4.45E-04	2.03E-01	3.64E-02	1.67E-01	0.00E+00	0.00E+00	2.27E+00	2.20E-06	2.10E-04	1.32E-03	0.00E+00	3.84E-03	1.73E-08	5.10E-10	2.49E-02	4.18E-04	1.53E-02	2.68E-03	2.91E-04	6.91E-02	1.52E+00	0.00E+00	2.03E-09	2.67E-09	3.07E-04	8.04E-06	2.04E-01	0.00E+00	1.52E+00	3.79E-09	1.52E+00	1.72E+00	2.04E-01	0.00E+00	0.00E+00	0.00E+00	1.25E-02
HHA033Z	4.84E-04	2.20E-01	3.96E-02	1.81E-01	0.00E+00	0.00E+00	2.47E+00	2.39E-06	2.28E-04	1.43E-03	0.00E+00	4.18E-03	1.88E-08	5.54E-10	2.71E-02	4.55E-04	1.66E-02	2.89E-03	3.17E-04	7.50E-02	1.65E+00	0.00E+00	2.21E-09	2.90E-09	3.34E-04	8.73E-06	2.21E-01	0.00E+00	1.65E+00	4.11E-09	1.65E+00	1.87E+00	2.21E-01	0.00E+00	0.00E+00	0.00E+00	1.36E-02
HHA038Z	2.38E-04	1.08E-01	1.94E-02	8.89E-02	0.00E+00	0.00E+00	1.21E+00	1.18E-06	1.12E-04	7.02E-04	0.00E+00	2.05E-03	9.23E-09	2.72E-10	1.33E-02	2.23E-04	8.18E-03	1.44E-03	1.56E-04	3.69E-02	8.11E-01	0.00E+00	1.09E-09	1.42E-09	1.64E-04	4.29E-06	1.09E-01	0.00E+00	8.11E-01	2.02E-09	8.11E-01	9.20E-01	1.09E-01	0.00E+00	0.00E+00	0.00E+00	6.68E-03
HHA040H	1.48E-04	6.75E-02	1.22E-02	5.54E-02	0.00E+00	0.00E+00	7.57E-01	7.34E-07	7.00E-05	4.39E-04	0.00E+00	1.28E-03	5.78E-09	1.70E-10	8.28E-03	1.40E-04	5.06E-03	8.31E-04	9.69E-05	2.30E-02	5.07E-01	0.00E+00	6.78E-10	8.90E-10	1.02E-04	2.68E-06	6.79E-02	0.00E+00	5.07E-01	1.26E-09	5.07E-01	5.75E-01	6.79E-02	0.00E+00	0.00E+00	0.00E+00	4.16E-03
HHA040U	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-06	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-08	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.50E+00	0.00E+00	1.99E-09	2.64E-09	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-09	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HHA040Z	4.56E-04	2.08E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.15E-04	1.35E-03	0.00E+00	3.93E-03	1.77E-08	5.22E-10	2.55E-02	4.28E-04	1.57E-02	2.74E-03	2.98E-04	7.07E-02	1.56E+00	0.00E+00	2.08E-09	2.73E-09	3.14E-04	8.22E-06	2.08E-01	0.00E+00	1.56E+00	3.87E-09	1.56E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HHA041H	3.02E-04	1.38E-01	2.47E-02	1.13E-01	0.00E+00	0.00E+00	1.54E+00	1.50E-06	1.42E-04	8.93E-04	0.00E+00	2.61E-03	1.17E-08	3.46E-10	1.69E-02	2.84E-04	1.03E-02	1.76E-03	1.98E-04	4.68E-02	1.03E+00	0.00E+00	1.38E-09	1.81E-09	2.08E-04	5.45E-06	1.38E-01	0.00E+00	1.03E+00	2.57E-09	1.03E+00	1.17E+00	1.38E-01	0.00E+00	0.00E+00	0.00E+00	8.48E-03
HHA041U	6.14E-04	2.80E-01	5.02E-02	2.29E-01	0.00E+00	0.00E+00	3.13E+00	3.04E-06	2.89E-04	1.81E-03	0.00E+00	5.30E-03	2.38E-08	7.03E-10	3.43E-02	5.76E-04	2.11E-02	3.69E-03	4.02E-04	9.52E-02	2.09E+00	0.00E+00	2.80E-09	3.68E-09	4.23E-04	1.11E-05	2.81E-01	0.00E+00	2.09E+00	5.21E-09	2.09E+00	2.38E+00	2.81E-01	0.00E+00	0.00E+00	0.00E+00	1.72E-02
HHA041Z	6.36E-04	2.90E-01	5.20E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.15E-06	2.99E-04	1.88E-03	0.00E+00	5.49E-03	2.47E-08	7.28E-10	3.56E-02	5.97E-04	2.19E-02	3.83E-03	4.16E-04	9.86E-02	2.17E+00	0.00E+00	2.90E-09	3.81E-09	4.38E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.40E-09	2.17E+00	2.46E+00	2.91E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HHA048Z	2.29E-04	1.04E-01	1.87E-02	8.56E-02	0.00E+00	0.00E+00	1.17E+00	1.13E-06	1.08E-04	6.76E-04	0.00E+00	1.97E-03	8.88E-09	2.62E-10	1.28E-02	2.15E-04	7.87E-03	1.38E-03	1.50E-04	3.55E-02	7.81E-01	0.00E+00	1.04E-09	1.37E-09	1.58E-04	4.13E-06	1.05E-01	0.00E+00	7.81E-01	1.94E-09	7.81E-01	8.86E-01	1.05E-01	0.00E+00	0.00E+00	0.00E+00	6.43E-03
HHA050Z	4.52E-04	2.06E-01	3.69E-02	1.69E-01	0.00E+00	0.00E+00	2.30E+00	2.23E-06	2.13E-04	1.33E-03	0.00E+00	3.90E-03	1.75E-08	5.17E-10	2.53E-02	4.24E-04	1.55E-02	2.71E-03	2.96E-04	7.01E-02	1.54E+00	0.00E+00	2.06E-09	2.71E-09	3.11E-04	8.15E-06	2.07E-01	0.00E+00	1.54E+00	3.84E-09	1.54E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HHA051Z	4.66E-04	2.12E-01	3.81E-02	1.74E-01	0.00E+00	0.00E+00	2.37E+00	2.31E-06	2.20E-04	1.38E-03	0.00E+00	4.02E-03	1.81E-08	5.34E-10	2.61E-02	4.38E-04	1.60E-02	2.78E-03	3.05E-04	7.23E-02	1.59E+00	0.00E+00	2.13E-09	2.79E-09	3.21E-04	8.41E-06	2.13E-01	0.00E+00	1.59E+00	3.96E-09	1.59E+00	1.80E+00	2.13E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-02
HHA061Z	3.08E-04	1.41E-01	2.52E-02	1.16E-01	0.00E+00	0.00E+00	1.57E+00	1.52E-06	1.45E-04	9.10E-04	0.00E+00	2.66E-03	1.19E-08	3.53E-10	1.73E-02	2.89E-04	1.07E-02	1.99E-03	2.02E-04	4.80E-02	1.05E+00	0.00E+00	1.41E-09	1.85E-09	2.12E-04	5.57E-06	1.41E-01	0.00E+00	1.05E+00	2.62E-09	1.05E+00	1.19E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00	8.69E-03
HHA063H	4.37E-04	2.04E-01	3.50E-02	1.69E-01	0.00E+00	0.00E+00	2.19E+00	2.17E-06	2.03E-04	1.29E-03	0.00E+00	3.72E-03	1.66E-08	4.95E-10	2.54E-02	4.03E-04	1.69E-02	4.94E-03	2.97E-04	7.07E-02	1.49E+00	0.00E+00	1.98E-09	2.63E-09	3.00E-04	8.02E-06	2.01E-01	0.00E+00	1.49E+00	3.76E-09	1.49E+00	1.69E+00	2.01E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HHA063U	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-06	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-08	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.50E+00	0.00E+00	1.99E-09	2.64E-09	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-09	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HHA063Z	4.56E-04	2.08E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.15E-04	1.35E-03	0.00E+00	3.93E-03	1.77E-08	5.22E-10	2.55E-02	4.28E-04	1.57E-02	2.74E-03	2.98E-04	7.07E-02	1.56E+00	0.00E+00	2.08E-09	2.73E-09	3.14E-04	8.22E-06	2.08E-01	0.00E+00	1.56E+00	3.87E-09	1.56E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HHA064H	4.14E-04	1.88E-01	3.38E-02	1.55E-01	0.00E+00	0.00E+00	2.11E+00	2.05E-06	1.95E-04	1.22E-03	0.00E+00	3.57E-03	1.61E-08	4.74E-10	2.31E-02	3.89E-04	1.42E-02	2.45E-03	2.71E-04	6.41E-02	1.41E+00	0.00E+00	1.89E-09	2.48E-09	2.85E-04	7.46E-06	1.89E-01	0.00E+00	1.41E+00	3.51E-09	1.41E+00	1.60E+00	1.89E-01	0.00E+00	0.00E+00	0.00E+00	1.16E-02
HHA064U	5.75E-04	2.62E-01	4.70E-02	2.15E-01	0.00E+00	0.00E+00	2.93E+00	2.84E-06	2.71E-04	1.70E-03	0.00E+00	4.96E-03	2.23E-08	6.58E-10	3.22E-02	5.40E-04	1.98E-02	3.45E-03	3.76E-04	8.92E-02	1.96E+00	0.00E+00	2.63E-09	3.45E-09	3.96E-04	1.04E-05	2.63E-01	0.00E+00	1.96E+00	4.89E-09	1.96E+00	2.23E+00	2.63E-01	0.00E+00	0.00E+00	0.00E+00	1.62E-02
HHA064Z	6.36E-04	2.90E-01	5.20E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.15E-06	2.99E-04	1.88E-03	0.00E+00	5.49E-03	2.47E-08	7.28E-10	3.56E-02	5.97E-04	2.19E-02	3.83E-03	4.16E-04	9.86E-02	2.17E+00	0.00E+00	2.90E-09	3.81E-09	4.38E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.40E-09	2.17E+00	2.46E+00	2.91E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HHA078Z	2.35E-04	1.07E-01	1.92E-02	8.78E-02	0.00E+00	0.00E+00	1.20E+00	1.16E-06	1.11E-04	6.93E-04	0.00E+00	2.03E-03	9.11E-09	2.69E-10	1.31E-02	2.20E-04	8.08E-03	1.42E-03	1.54E-04	3.64E-02	8.01E-01	0.00E+00	1.07E-09	1.41E-09	1.62E-04	4.24E-06	1.07E-01	0.00E+00	8.01E-01	1.99E-09	8.01E-01	9.09E-01	1.07E-01	0.00E+00	0.00E+00	0.00E+00	6.60E-03
HHA080H	1.45E-04	6.57E-02	1.18E-02	5.39E-02	0.00E+00	0.00E+00	7.37E-01	7.15E-07	6.81E-05	4.27E-04	0.00E+00	1.25E-03	5.62E-09	1.66E-10	8.06E-03	1.36E-04	4.92E-03	8.06E-04	9.43E-05	2.23E-02	4.93E-01	0.00E+00	6.60E-10	8.66E-10	9.97E-05	2.60E-06	6.61E-02	0.00E+00	4.93E-01	1.23E-09	4.93E-01	5.60E-01	6.61E-02	0.00E+00	0.00E+00	0.00E+00	4.05E-03
HHA080U	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-06	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-08	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.50E+00	0.00E+00	1.99E-09	2.64E-09	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-09	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HHA080Z	4.53E-04	2.06E-01	3.70E-02	1.69E-01	0.00E+00	0.00E+00	2.31E+00	2.24E-06	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.76E-08	5.18E-10	2.53E-02	4.25E-04	1.56E-02	2.72E-03	2.96E-04	7.02E-02	1.55E+00	0.00E+00	2.07E-09	2.71E-09	3.12E-04	8.17E-06	2.07E-01	0.00E+00	1.55E+00	3.85E-09	1.55E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HHA081H	2.14E-04	9.73E-02	1.75E-02	7.98E-02	0.00E+00	0.00E+00	1.09E+00	1.06E-06	1.01E-04	6.31E-04	0.00E+00	1.85E-03	8.31E-09	2.45E-10	1.19E-02	2.01E-04	7.29E-03	1.21E-03	1.39E-04	3.31E-02	7.30E-01	0.00E+00	9.76E-10	1.28E-09	1.47E-04	3.85E-06	9.77E-02	0.00E+00	7.30E-01	1.81E-09	7.30E-01	8.27E-01	9.77E-02	0.00E+00	0.00E+00	0.00E+00	5.99E-03
HHA081U	5.34E-04	2.43E-01	4.37E-02	2.00E-01	0.00E+00	0.00E+00	2.72E+00	2.64E-06	2.51E-04	1.58E-03	0.00E+00	4.61E-03	2.07E-08	6.11E-10	2.99E-02	5.01E-04	1.83E-02	3.20E-03	3.49E-04	8.28E-02	1.82E+00	0.00E+00	2.44E-09	3.20E-09	3.68E-04	9.64E-06	2.44E-01	0.00E+00	1.82E+00	4.54E-09	1.82E+00	2.07E+00	2.44E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-02
HHA081Z	6.36E-04	2.90E-01	5.20E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.15E-06	2.99E-04	1.88E-03	0.00E+00	5.49E-03	2.47E-08	7.28E-10	3.56E-02	5.97E-04	2.19E-02	3.83E-03	4.16E-04	9.86E-02	2.17E+00	0.00E+00	2.90E-09	3.81E-09	4.38E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.40E-09	2.17E+00	2.46E+00	2.91E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HHA082H	3.99E-04	1.82E-01	3.26E-02	1.49E-01	0.00E+00	0.00E+00	2.03E+00	1.97E-06	1.88E-04	1.18E-03	0.00E+00	3.44E-03	1.55E-08	4.57E-10	2.23E-02	3.75E-04	1.37E-02	2.36E-03	2.61E-04	6.18E-02	1.36E+00	0.00E+00	1.82E-09	2.39E-09	2.75E-04	7.20E-06	1.82E-01	0.00E+00	1.36E+00	3.39E-09	1.36E+00	1.54E+00	1.82E-01	0.00E+00	0.00E+00	0.00E+00	1.12E-02
HHA098Z	2.47E-04	1.12E-01	2.02E-02	9.22E-02	0.00E+00	0.00E+00	1.26E+00	1.22E-06	1.16E-04	7.28E-04	0.00E+00	2.13E-03	9.57E-09	2.82E-10	1.38E-02	2.32E-04	8.49E-03	1.49E-03	1.61E-04	3.83E-02	8.42E-01	0.00E+00	1.13E-09	1.48E-09	1.70E-04	4.45E-06	1.13E-01	0.00E+00	8.42E-01	2.10E-09	8.42E-01	9.55E-01	1.13E-01	0.00E+00	0.00E+00	0.00E+00	6.93E-03
HHA100H	4.37E-04	2.04E-01	3.50E-02	1.69E-01	0.00E+00	0.00E+00	2.19E+00	2.17E-06	2.03E-04	1.29E-03	0.00E+00	3.72E-03	1.66E-08	4.95E-10	2.54E-02	4.03E-04	1.69E-02	4.94E-03	2.97E-04	7.07E-02	1.49E+00	0.00E+00	1.98E-09	2.63E-09	3.00E-04	8.02E-06	2.01E-01	0.00E+00	1.49E+00	3.76E-09	1.49E+00	1.69E+00	2.01E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HHA100U	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-06	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-08	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.50E+00	0.00E+00	1.99E-09	2.64E-09	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-09	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HHA100Z	4.69E-04	2.14E-01	3.84E-02	1.76E-01	0.00E+00	0.00E+00	2.39E+00	2.32E-06	2.21E-04	1.39E-03	0.00E+00	4.05E-03	1.82E-08	5.38E-10	2.63E-02	4.41E-04	1.61E-02	2.83E-03	3.07E-04	7.28E-02	1.60E+00	0.00E+00	2.14E-09	2.81E-09	3.24E-04	8.47E-06	2.15E-01	0.00E+00	1.60E+00	3.99E-09	1.60E+00	1.82E+00	2.15E-01	0.00E+00	0.00E+00	0.00E+00	1.32E-02
HHA101H	5.41E-04	2.40E-01	4.52E-02	1.95E-01	0.00E+00	0.00E+00	2.80E+00	2.67E-06	2.58E-04	1.60E-03	0.00E+00	4.74E-03	2.15E-08	6.27E-10	2.90E-02	5.19E-04	1.60E-02	5.04E-05	3.38E-04	7.98E-02	1.85E+00	0.00E+00	2.49E-09	3.23E-09	3.75E-04	9.57E-06	2.46E-01	0.00E+00	1.85E+00	4.53E-09	1.85E+00	2.09E+00	2.46E-01	0.00E+00	0.00E+00	0.00E+00	1.45E-02
HHA101U	5.82E-04	2.65E-01	4.76E-02	2.18E-01	0.00E+00	0.00E+00	2.97E+00	2.88E-06	2.74E-04	1.72E-03	0.00E+00	5.03E-03	2.26E-08	6.67E-10	3.26E-02	5.47E-04	2.00E-02	3.50E-03	3.81E-04	9.03E-02	1.99E+00	0.00E+00	2.66E-09	3.49E-09	4.01E-04	1.05E-05	2.66E-01	0.00E+00	1.99E+00	4.95E-09	1.99E+00	2.25E+00	2.66E-01	0.00E+00	0.00E+00	0.00E+00	1.64E-02
HHA101Z	6.33E-04	2.88E-01	5.17E-02	2.37E-01	0.00E+00	0.00E+00	3.22E+00	3.13E-06	2.98E-04	1.87E-03	0.00E+00	5.46E-03	2.46E-08	7.25E-10	3.54E-02	5.94E-04	2.18E-02	3.81E-03	4.14E-04	9.82E-02	2.16E+00	0.00E+00	2.89E-09	3.79E-09	4.36E-04	1.14E-05	2.89E-01	0.00E+00	2.16E+00	5.38E-09	2.16E+00	2.45E+00	2.89E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HHA102H	2.87E-04	1.31E-01	2.35E-02	1.07E-01	0.00E+00	0.00E+00	1.47E+00	1.42E-06	1.35E-04	8.49E-04	0.00E+00	2.48E-03	1.12E-08	3.29E-10	1.61E-02	2.70E-04	9.83E-03	1.67E-03	1.88E-04	4.45E-02	9.81E-01	0.00E+00	1.31E-09	1.72E-09	1.98E-04	5.19E-06	1.31E-01	0.00E+00	9.81E-01	2.44E-09	9.81E-01	1.11E+00	1.31E-01	0.00E+00	0.00E+00	0.00E+00	8.06E-03
HHA123Z	2.52E-04	1.15E-01	2.06E-02	9.44E-02	0.00E+00	0.00E+00	1.29E+00	1.25E-06	1.19E-04	7.45E-04	0.00E+00	2.18E-03	9.80E-09	2.89E-10	1.41E-02	2.37E-04	8.69E-03	1.53E-03	1.65E-04	3.92E-02	8.62E-01	0.00E+00	1.15E-09	1.51E-09	1.74E-04	4.56E-06	1.15E-01	0.00E+00	8.62E-01	2.15E-09	8.62E-01	9.77E-01	1.15E-01	0.00E+00	0.00E+00	0.00E+00	7.09E-03
HHA125H	4.37E-04	2.04E-01	3.50E-02	1.69E-01	0.00E+00	0.00E+00	2.19E+00	2.17E-06	2.03E-04	1.29E-03	0.00E+00	3.72E-03	1.66E-08	4.95E-10	2.54E-02	4.03E-04	1.69E-02	4.94E-03	2.97E-04	7.07E-02	1.49E+00	0.00E+00	1.98E-09	2.63E-09	3.00E-04	8.02E-06	2.01E-01	0.00E+00	1.49E+00	3.76E-09	1.49E+00	1.69E+00	2.01E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HHA125U	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-06	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-08	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.50E+00	0.00E+00	1.99E-09	2.64E-09	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-09	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HHA125Z	4.56E-04	2.08E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.15E-04	1.35E-03	0.00E+00	3.93E-03	1.77E-08	5.22E-10	2.55E-02	4.28E-04	1.57E-02	2.74E-03	2.98E-04	7.07E-02	1.56E+00	0.00E+00	2.08E-09	2.73E-09	3.14E-04	8.22E-06	2.08E-01	0.00E+00	1.56E+00	3.87E-09	1.56E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HHA126H	5.88E-04	2.74E-01	4.71E-02	2.27E-01	0.00E+00	0.00E+00	2.95E+00	2.91E-06	2.73E-04	1.73E-03	0.00E+00	5.00E-03	2.24E-08	6.66E-10	3.41E-02	5.42E-04	2.26E-02	6.58E-03	4.00E-04	9.50E-02	2.01E+00	0.00E+00	2.66E-09	3.53E-09	4.03E-04	1.08E-05	2.70E-01	0.00E+00	2.01E+00	5.06E-09	2.01E+00	2.28E+00	2.70E-01	0.00E+00	0.00E+00	0.00E+00	1.72E-02
HHA126U	6.17E-04	2.81E-01	5.04E-02	2.31E-01	0.00E+00	0.00E+00	3.14E+00	3.05E-06	2.91E-04	1.82E-03	0.00E+00	5.33E-03	2.40E-08	7.07E-10	3.45E-02	5.80E-04	2.12E-02	3.71E-03	4.04E-04	9.57E-02	2.11E+00	0.00E+00	2.82E-09	3.70E-09	4.25E-04	1.11E-05	2.82E-01	0.00E+00	2.11E+00	5.24E-09	2.11E+00	2.39E+00	2.82E-01	0.00E+00	0.00E+00	0.00E+00	1.73E-02
HHA126Z	6.39E-04	2.91E-01	5.22E-02	2.39E-01	0.00E+00	0.00E+00	3.25E+00	3.16E-06	3.01E-04	1.89E-03	0.00E+00	5.51E-03	2.48E-08	7.31E-10	3.57E-02	6.00E-04	2.20E-02	3.85E-03	4.18E-04	9.91E-02	2.18E+00	0.00E+00	2.92E-09	3.83E-09	4.40E-04	1.15E-05	2.92E-01	0.00E+00	2.18E+00	5.43E-09	2.18E+00	2.47E+00	2.92E-01	0.00E+00	0.00E+00	0.00E+00	1.80E-02
HHA127H	3.73E-04	1.70E-01	3.05E-02	1.39E-01	0.00E+00	0.00E+00	1.90E+00	1.84E-06	1.76E-04	1.10E-03	0.00E+00	3.22E-03	1.45E-08	4.27E-10	2.08E-02	3.50E-04	1.28E-02	2.19E-03	2.44E-04	5.77E-02	1.27E+00	0.00E+00	1.70E-09	2.23E-09	2.57E-04	6.72E-06	1.70E-01	0.00E+00	1.27E+00	3.17E-09	1.27E+00	1.44E+00	1.70E-01	0.00E+00	0.00E+00	0.00E+00	1.05E-02
HHA160H	3.99E-04	1.77E-01	3.34E-02	1.44E-01	0.00E+00	0.00E+00	2.07E+00	1.97E-06	1.91E-04	1.19E-03	0.00E+00	3.50E-03	1.58E-08	4.63E-10	2.14E-02	3.83E-04	1.18E-02	0.00E+00	2.49E-04	5.89E-02	1.36E+00	0.00E+00	1.84E-09	2.39E-09	2.77E-04	7.07E-06	1.82E-01	0.00E+00	1.36E+00	3.34E-09	1.36E+00	1.54E+00	1.82E-01	0.00E+00	0.00E+00	0.00E+00	1.07E-02
HHA160U	3.64E-04	1.62E-01	3.03E-02	1.32E-01	0.00E+00	0.00E+00	1.88E+00	1.80E-06	1.73E-04	1.08E-03	0.00E+00	3.19E-03	1.44E-08	4.21E-10	1.96E-02	3.48E-04	1.10E-02	2.91E-04	2.29E-04	5.41E-02	1.24E+00	0.00E+00	1.68E-09	2.18E-09	2.52E-04	6.46E-06	1.66E-01	0.00E+00	1.24E+00	3.05E-09	1.24E+00	1.41E+00	1.66E-01	0.00E+00	0.00E+00	0.00E+00	9.83E-03
HHA160Z	4.53E-04	2.06E-01	3.70E-02	1.69E-01	0.00E+00	0.00E+00	2.31E+00	2.24E-06	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.76E-08	5.18E-10	2.53E-02	4.25E-04	1.56E-02	2.72E-03	2.96E-04	7.02E-02	1.55E+00	0.00E+00	2.07E-09	2.71E-09	3.12E-04	8.17E-06	2.07E-01	0.00E+00	1.55E+00	3.85E-09	1.55E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HHA161H	5.38E-04	2.38E-01	4.49E-02	1.94E-01	0.00E+00	0.00E+00	2.79E+00	2.65E-06	2.57E-04	1.60E-03	0.00E+00	4.71E-03	2.13E-08	6.23E-10	2.88E-02	5.16E-04	1.59E-02	0.00E+00	3.36E-04	7.93E-02	1.83E+00	0.00E+00	2.48E-09	3.21E-09	3.73E-04	9.51E-06	2.45E-01	0.00E+00	1.83E+00	4.50E-09	1.83E+00	2.08E+00	2.45E-01	0.00E+00	0.00E+00	0.00E+00	1.44E-02
HHA161U	6.15E-04	2.80E-01	5.03E-02	2.30E-01	0.00E+00	0.00E+00	3.13E+00	3.04E-06	2.90E-04	1.82E-03	0.00E+00	5.31E-03	2.39E-08	7.04E-10	3.44E-02	5.78E-04	2.11E-02	3.70E-03	4.02E-04	9.54E-02	2.10E+00	0.00E+00	2.81E-09	3.69E-09	4.24E-04	1.11E-05	2.81E-01	0.00E+00	2.10E+00	5.23E-09	2.10E+00	2.38E+00	2.81E-01	0.00E+00	0.00E+00	0.00E+00	1.73E-02
HHA161Z	6.53E-04	2.98E-01	5.34E-02	2.44E-01	0.00E+00	0.00E+00	3.33E+00	3.23E-06	3.08E-04	1.93E-03	0.00E+00	5.64E-03	2.54E-08	7.48E-10	3.65E-02	6.13E-04	2.25E-02	3.94E-03	4.27E-04	1.01E-01	2.23E+00	0.00E+00	2.98E-09	3.92E-09	4.50E-04	1.18E-05	2.99E-01	0.00E+00	2.23E+00	5.55E-09	2.23E+00	2.53E+00	2.99E-01	0.00E+00	0.00E+00	0.00E+00	1.84E-02
HHA162H	8.50E-04	3.87E-01	6.95E-02	3.18E-01	0.00E+00	0.00E+00	4.33E+00	4.20E-06	4.00E-04	2.51E-03	0.00E+00	7.33E-03	3.30E-08	9.73E-10	4.75E-02	7.98E-04	2.92E-02	5.15E-03	5.56E-04	1.32E-01	2.90E+00	0.00E+00	3.88E-09	5.09E-09	5.86E-04	1.53E-05	3.89E-01	0.00E+00	2.90E+00	7.22E-09	2.90E+00	3.29E+00	3.89E-01	0.00E+00	0.00E+00	0.00E+00	2.39E-02
HHB100U	1.28E-03	5.82E-01	1.04E-01	4.78E-01	0.00E+00	0.00E+00	6.51E+00	6.32E-06	6.01E-04	3.77E-03	0.00E+00	1.10E-02	4.96E-08	1.46E-09	7.15E-02	1.20E-03	4.40E-02	7.78E-03	8.36E-04	1.98E-01	4.36E+00	0.00E+00	5.83E-09	7.66E-09	8.80E-04	2.31E-05	5.84E-01	0.00E+00	4.36E+00	1.09E-08	4.36E+00	4.95E+00	5.84E-01	0.00E+00	0.00E+00	0.00E+00	3.59E-02
HHB100Z	1.04E-03	4.74E-01	8.51E-02	3.89E-01	0.00E+00	0.00E+00	5.30E+00	5.15E-06	4.90E-04	3.07E-03	0.00E+00	8.98E-03	4.04E-08	1.19E-09	5.82E-02	9.77E-04	3.58E-02	6.32E-03	6.81E-04	1.62E-01	3.55E+00	0.00E+00	4.75E-09	6.24E-09	7.17E-04	1.88E-05	4.76E-01	0.00E+00	3.55E+00	8.85E-09	3.55E+00	4.03E+00	4.76E-01	0.00E+00	0.00E+00	0.00E+00	2.93E-02
HHB101Z	2.13E-04	9.70E-02	1.75E-02	7.96E-02	0.00E+00	0.00E+00	1.09E+00	1.06E-06	1.01E-04	6.30E-04	0.00E+00	1.84E-03	8.30E-09	2.45E-10	1.19E-02	2.01E-04	7.25E-03	1.18E-03	1.39E-04	3.30E-02	7.28E-01	0.00E+00	9.75E-10	1.28E-09	1.47E-04	3.84E-06	9.75E-02	0.00E+00	7.28E-01	1.81E-09	7.28E-01	8.26E-01	9.75E-02	0.00E+00	0.00E+00	0.00E+00	5.97E-03
HHB125U	1.15E-03	5.24E-01	9.40E-02	4.30E-01	0.00E+00	0.00E+00	5.86E+00	5.69E-06	5.41E-04	3.40E-03	0.00E+00	9.92E-03	4.46E-08	1.32E-09	6.43E-02	1.08E-03	3.96E-02	6.99E-03	7.53E-04	1.78E-01	3.92E+00	0.00E+00	5.25E-09	6.89E-09	7.92E-04	2.08E-05	5.26E-01	0.00E+00	3.92E+00	9.77E-09	3.92E+00	4.45E+00	5.26E-01	0.00E+00	0.00E+00	0.00E+00	3.23E-02
HHB125Z	1.08E-03	4.91E-01	8.81E-02	4.03E-01	0.00E+00	0.00E+00	5.49E+00	5.33E-06	5.08E-04	3.18E-03	0.00E+00	9.30E-03	4.18E-08	1.23E-09	6.03E-02	1.01E-03	3.71E-02	6.55E-03	7.06E-04	1.67E-01	3.68E+00	0.00E+00	4.92E-09	6.46E-09	7.43E-04	1.95E-05	4.93E-01	0.00E+00	3.68E+00	9.16E-09	3.68E+00	4.17E+00	4.93E-01	0.00E+00	0.00E+00	0.00E+00	3.03E-02
HHB126Z	1.51E-03	6.87E-01	1.23E-01	5.64E-01	0.00E+00	0.00E+00	7.67E+00	7.45E-06	7.09E-04	4.45E-03	0.00E+00	1.30E-02	5.85E-08	1.72E-09	8.43E-02	1.41E-03	5.19E-02	9.17E-03	9.86E-04	2.34E-01	5.14E+00	0.00E+00	6.88E-09	9.03E-09	1.04E-03	2.72E-05	6.89E-01	0.00E+00	5.14E+00	1.28E-08	5.14E+00	5.83E+00	6.89E-01	0.00E+00	0.00E+00	0.00E+00	4.24E-02
HHB160U	1.23E-03	5.60E-01	1.00E-01	4.59E-01	0.00E+00	0.00E+00	6.25E+00	6.07E-06	5.78E-04	3.63E-03	0.00E+00	1.06E-02	4.77E-08	1.41E-09	6.87E-02	1.15E-03	4.23E-02	7.47E-03	8.04E-04	1.91E-01	4.19E+00	0.00E+00	5.61E-09	7.36E-09	8.46E-04	2.22E-05	5.62E-01	0.00E+00	4.19E+00	1.04E-08	4.19E+00	4.75E+00	5.62E-01	0.00E+00	0.00E+00	0.00E+00	3.45E-02
HHB160Z	1.07E-03	4.88E-01	8.75E-02	4.00E-01	0.00E+00	0.00E+00	5.45E+00	5.30E-06	5.04E-04	3.16E-03	0.00E+00	9.24E-03	4.16E-08	1.23E-09	5.99E-02	1.01E-03	3.69E-02	6.50E-03	7.01E-04	1.66E-01	3.65E+00	0.00E+00	4.89E-09	6.42E-09	7.38E-04	1.93E-05	4.90E-01	0.00E+00	3.65E+00	9.10E-09	3.65E+00	4.14E+00	4.90E-01	0.00E+00	0.00E+00	0.00E+00	3.01E-02
HHB161Z	1.57E-03	7.14E-01	1.28E-01	5.86E-01	0.00E+00	0.00E+00	7.98E+00	7.75E-06	7.38E-04	4.63E-03	0.00E+00	1.35E-02	6.08E-08	1.79E-09	8.77E-02	1.47E-03	5.40E-02	9.54E-03	1.03E-03	2.43E-01	5.35E+00	0.00E+00	7.15E-09	9.39E-09	1.08E-03	2.83E-05	7.16E-01	0.00E+00	5.35E+00	1.33E-08	5.35E+00	6.06E+00	7.16E-01	0.00E+00	0.00E+00	0.00E+00	4.40E-02
HHB200L	2.01E-04	9.16E-02	1.65E-02	7.51E-02	0.00E+00	0.00E+00	1.03E+00	9.96E-07	9.50E-05	5.95E-04	0.00E+00	1.74E-03	7.84E-09	2.31E-10	1.12E-02	1.90E-04	6.84E-03	1.11E-03	1.31E-04	3.11E-02	6.88E-01	0.00E+00	9.21E-10	1.21E-09	1.39E-04	3.63E-06	9.21E-02	0.00E+00	6.88E-01	1.71E-09	6.88E-01	7.80E-01	9.21E-02	0.00E+00	0.00E+00	0.00E+00	5.64E-03
HHB200U	1.17E-03	5.33E-01	9.56E-02	4.38E-01	0.00E+00	0.00E+00	5.96E+00	5.78E-06	5.51E-04	3.45E-03	0.00E+00	1.01E-02	4.54E-08	1.34E-09	6.55E-02	1.10E-03	4.03E-02	7.11E-03	7.66E-04	1.82E-01	3.99E+00	0.00E+00	5.34E-09	7.01E-09	8.06E-04	2.11E-05	5.35E-01	0.00E+00	3.99E+00	9.94E-09	3.99E+00	4.53E+00	5.35E-01	0.00E+00	0.00E+00	0.00E+00	3.29E-02
HHB200Z	1.10E-03	5.02E-01	8.99E-02	4.12E-01	0.00E+00	0.00E+00	5.60E+00	5.44E-06	5.18E-04	3.25E-03	0.00E+00	9.49E-03	4.27E-08	1.26E-09	6.16E-02	1.03E-03	3.79E-02	6.68E-03	7.20E-04	1.71E-01	3.76E+00	0.00E+00	5.02E-09	6.59E-09	7.58E-04	1.99E-05	5.03E-01	0.00E+00	3.76E+00	9.35E-09	3.76E+00	4.26E+00	5.03E-01	0.00E+00	0.00E+00	0.00E+00	3.09E-02
HHB201L	5.82E-04	2.59E-01	4.84E-02	2.11E-01	0.00E+00	0.00E+00	3.01E+00	2.87E-06	2.77E-04	1.73E-03	0.00E+00	5.09E-03	2.30E-08	6.73E-10	3.14E-02	5.56E-04	1.77E-02	6.08E-04	3.66E-04	8.66E-02	1.99E+00	0.00E+00	2.68E-09	3.48E-09	4.03E-04	1.03E-05	2.65E-01	0.00E+00	1.99E+00	4.88E-09	1.99E+00	2.25E+00	2.65E-01	0.00E+00	0.00E+00	0.00E+00	1.57E-02
HHB201Z	1.53E-03	6.99E-01	1.25E-01	5.74E-01	0.00E+00	0.00E+00	7.81E+00	7.58E-06	7.22E-04	4.53E-03	0.00E+00	1.32E-02	5.95E-08	1.76E-09	8.58E-02	1.44E-03	5.28E-02	9.33E-03	1.00E-03	2.38E-01	5.23E+00	0.00E+00	7.00E-09	9.19E-09	1.06E-03	2.77E-05	7.01E-01	0.00E+00	5.23E+00	1.30E-08	5.23E+00	5.94E+00	7.01E-01	0.00E+00	0.00E+00	0.00E+00	4.31E-02
HHB250L	2.28E-04	1.04E-01	1.87E-02	8.51E-02	0.00E+00	0.00E+00	1.16E+00	1.13E-06	1.08E-04	6.74E-04	0.00E+00	1.97E-03	8.88E-09	2.62E-10	1.27E-02	2.15E-04	7.77E-03	1.27E-03	1.49E-04	3.53E-02	7.79E-01	0.00E+00	1.04E-09	1.37E-09	1.57E-04	4.11E-06	1.04E-01	0.00E+00	7.79E-01	1.94E-09	7.79E-01	8.83E-01	1.04E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-03
HHB250U	1.18E-03	5.40E-01	9.68E-02	4.43E-01	0.00E+00	0.00E+00	6.03E+00	5.86E-06	5.58E-04	3.50E-03	0.00E+00	1.02E-02	4.60E-08	1.36E-09	6.63E-02	1.11E-03	4.08E-02	7.20E-03	7.75E-04	1.84E-01	4.04E+00	0.00E+00	5.41E-09	7.10E-09	8.16E-04	2.14E-05	5.42E-01	0.00E+00	4.04E+00	1.01E-08	4.04E+00	4.58E+00	5.42E-01	0.00E+00	0.00E+00	0.00E+00	3.33E-02
HHB250Z	1.10E-03	5.02E-01	8.99E-02	4.12E-01	0.00E+00	0.00E+00	5.60E+00	5.44E-06	5.18E-04	3.25E-03	0.00E+00	9.49E-03	4.27E-08	1.26E-09	6.16E-02	1.03E-03	3.79E-02	6.68E-03	7.20E-04	1.71E-01	3.76E+00	0.00E+00	5.02E-09	6.59E-09	7.58E-04	1.99E-05	5.03E-01	0.00E+00	3.76E+00	9.35E-09	3.76E+00	4.26E+00	5.03E-01	0.00E+00	0.00E+00	0.00E+00	3.09E-02
HHB251L	5.82E-04	2.59E-01	4.84E-02	2.11E-01	0.00E+00	0.00E+00	3.01E+00	2.87E-06	2.77E-04	1.73E-03	0.00E+00	5.09E-03	2.30E-08	6.73E-10	3.14E-02	5.56E-04	1.77E-02	6.08E-04	3.66E-04	8.66E-02	1.99E+00	0.00E+00	2.68E-09	3.48E-09	4.03E-04	1.03E-05	2.65E-01	0.00E+00	1.99E+00	4.88E-09	1.99E+00	2.25E+00	2.65E-01	0.00E+00	0.00E+00	0.00E+00	1.57E-02
HHB251Z	1.55E-03	7.08E-01	1.27E-01	5.81E-01	0.00E+00	0.00E+00	7.91E+00	7.68E-06	7.31E-04	4.59E-03	0.00E+00	1.34E-02	6.03E-08	1.78E-09	8.69E-02	1.46E-03	5.35E-02	9.46E-03	1.02E-03	2.41E-01	5.30E+00	0.00E+00	7.09E-09	9.31E-09	1.07E-03	2.80E-05	7.10E-01	0.00E+00	5.30E+00	1.32E-08	5.30E+00	6.01E+00	7.10E-01	0.00E+00	0.00E+00	0.00E+00	4.37E-02
HHJ250DR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HHJ251DR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HHJ320DR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HHJ321DR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HHJ400DR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HHJ401DR	1.28E-03	5.82E-01	1.04E-01	4.78E-01	0.00E+00	0.00E+00	6.50E+00	6.32E-06	6.01E-04	3.77E-03	0.00E+00	1.10E-02	4.95E-08	1.46E-09	7.15E-02	1.20E-03	4.41E-02	8.00E-03	8.37E-04	1.98E-01	4.36E+00	0.00E+00	5.83E-09	7.65E-09	8.80E-04	2.31E-05	5.84E-01	0.00E+00	4.36E+00	1.09E-08	4.36E+00	4.94E+00	5.84E-01	0.00E+00	0.00E+00	0.00E+00	3.59E-02

HHJ631DE	1.28E-03	5.82E-01	1.04E-01	4.78E-01	0.00E+00	0.00E+00	6.50E+00	6.32E-06	6.01E-04	3.77E-03	0.00E+00	1.10E-02	4.95E-08	1.46E-09	7.15E-02	1.20E-03	4.41E-02	8.00E-03	8.37E-04	1.98E-01	4.36E+00	0.00E+00	5.83E-09	7.65E-09	8.80E-04	2.31E-05	5.84E-01	0.00E+00	4.36E+00	1.09E-08	4.36E+00	4.94E+00	5.84E-01	0.00E+00	0.00E+00	0.00E+00	3.59E-02
HHM100ER	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HHM101ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM103ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM125ER	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HHM126ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM128ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM150ER	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HHM151ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM153ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM160ER	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HHM161ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM163ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM200ER	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HHM201ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM203ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM250ER	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HHM251ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHM253ER	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HHS014EC	3.10E-04	1.41E-01	2.54E-02	1.16E-01	0.00E+00	0.00E+00	1.58E+00	1.54E-06	1.46E-04	9.16E-04	0.00E+00	2.68E-03	1.20E-08	3.55E-10	1.74E-02	2.91E-04	1.07E-02	1.89E-03	2.03E-04	4.82E-02	1.06E+00	0.00E+00	1.42E-09	1.86E-09	2.14E-04	5.60E-06	1.42E-01	0.00E+00	1.06E+00	2.64E-09	1.06E+00	1.20E+00	1.42E-01	0.00E+00	0.00E+00	0.00E+00	8.72E-03
HHS018EC	3.07E-04	1.40E-01	2.51E-02	1.15E-01	0.00E+00	0.00E+00	1.57E+00	1.52E-06	1.45E-04	9.08E-04	0.00E+00	2.65E-03	1.19E-08	3.52E-10	1.72E-02	2.89E-04	1.06E-02	1.87E-03	2.01E-04	4.77E-02	1.05E+00	0.00E+00	1.40E-09	1.84E-09	2.12E-04	5.55E-06	1.41E-01	0.00E+00	1.05E+00	2.61E-09	1.05E+00	1.19E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00	8.64E-03
HHS023EC	3.34E-04	1.52E-01	2.73E-02	1.25E-01	0.00E+00	0.00E+00	1.70E+00	1.65E-06	1.57E-04	9.87E-04	0.00E+00	2.88E-03	1.30E-08	3.83E-10	1.87E-02	3.14E-04	1.15E-02	2.03E-03	2.19E-04	5.19E-02	1.14E+00	0.00E+00	1.53E-09	2.00E-09	2.30E-04	6.04E-06	1.53E-01	0.00E+00	1.14E+00	2.84E-09	1.14E+00	1.29E+00	1.53E-01	0.00E+00	0.00E+00	0.00E+00	9.40E-03
HHS025BC	4.64E-04	2.11E-01	3.79E-02	1.73E-01	0.00E+00	0.00E+00	2.36E+00	2.29E-06	2.19E-04	1.37E-03	0.00E+00	4.00E-03	1.80E-08	5.31E-10	2.59E-02	4.36E-04	1.59E-02	2.77E-03	3.03E-04	7.19E-02	1.58E+00	0.00E+00	2.12E-09	2.78E-09	3.20E-04	8.37E-06	2.12E-01	0.00E+00	1.58E+00	3.94E-09	1.58E+00	1.80E+00	2.12E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-02
HHS025DC	5.67E-04	2.58E-01	4.64E-02	2.12E-01	0.00E+00	0.00E+00	2.89E+00	2.81E-06	2.67E-04	1.68E-03	0.00E+00	4.90E-03	2.20E-08	6.49E-10	3.17E-02	5.33E-04	1.95E-02	3.41E-03	3.71E-04	8.80E-02	1.94E+00	0.00E+00	2.59E-09	3.40E-09	3.91E-04	1.02E-05	2.59E-01	0.00E+00	1.94E+00	4.82E-09	1.94E+00	2.20E+00	2.59E-01	0.00E+00	0.00E+00	0.00E+00	1.59E-02
HHS025DR	5.26E-04	2.40E-01	4.30E-02	1.97E-01	0.00E+00	0.00E+00	2.68E+00	2.60E-06	2.48E-04	1.55E-03	0.00E+00	4.54E-03	2.04E-08	6.03E-10	2.94E-02	4.94E-04	1.81E-02	3.16E-03	3.44E-04	8.16E-02	1.80E+00	0.00E+00	2.40E-09	3.15E-09	3.63E-04	9.50E-06	2.41E-01	0.00E+00	1.80E+00	4.47E-09	1.80E+00	2.04E+00	2.41E-01	0.00E+00	0.00E+00	0.00E+00	1.48E-02
HHS026BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS026DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS026DR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HHS030EC	3.01E-04	1.37E-01	2.46E-02	1.13E-01	0.00E+00	0.00E+00	1.54E+00	1.49E-06	1.42E-04	8.90E-04	0.00E+00	2.60E-03	1.17E-08	3.45E-10	1.69E-02	2.83E-04	1.04E-02	1.83E-03	1.97E-04	4.68E-02	1.03E+00	0.00E+00	1.38E-09	1.81E-09	2.08E-04	5.44E-06	1.38E-01	0.00E+00	1.03E+00	2.56E-09	1.03E+00	1.17E+00	1.38E-01	0.00E+00	0.00E+00	0.00E+00	8.47E-03
HHS038EC	3.07E-04	1.40E-01	2.51E-02	1.15E-01	0.00E+00	0.00E+00	1.57E+00	1.52E-06	1.45E-04	9.08E-04	0.00E+00	2.65E-03	1.19E-08	3.52E-10	1.72E-02	2.89E-04	1.06E-02	1.87E-03	2.01E-04	4.77E-02	1.05E+00	0.00E+00	1.40E-09	1.84E-09	2.12E-04	5.55E-06	1.41E-01	0.00E+00	1.05E+00	2.61E-09	1.05E+00	1.19E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00	8.64E-03
HHS040BC	4.82E-04	2.20E-01	3.94E-02	1.80E-01	0.00E+00	0.00E+00	2.46E+00	2.38E-06	2.27E-04	1.42E-03	0.00E+00	4.16E-03	1.87E-08	5.52E-10	2.70E-02	4.53E-04	1.66E-02	2.88E-03	3.15E-04	7.48E-02	1.65E+00	0.00E+00	2.20E-09	2.89E-09	3.32E-04	8.70E-06	2.20E-01	0.00E+00	1.65E+00	4.10E-09	1.65E+00	1.87E+00	2.20E-01	0.00E+00	0.00E+00	0.00E+00	1.35E-02
HHS040DC	5.08E-04	2.32E-01	4.16E-02	1.90E-01	0.00E+00	0.00E+00	2.59E+00	2.52E-06	2.39E-04	1.50E-03	0.00E+00	4.39E-03	1.97E-08	5.82E-10	2.84E-02	4.78E-04	1.75E-02	3.05E-03	3.33E-04	7.89E-02	1.74E+00	0.00E+00	2.32E-09	3.05E-09	3.51E-04	9.18E-06	2.33E-01	0.00E+00	1.74E+00	4.32E-09	1.74E+00	1.97E+00	2.33E-01	0.00E+00	0.00E+00	0.00E+00	1.43E-02
HHS040DR	5.23E-04	2.38E-01	4.28E-02	1.96E-01	0.00E+00	0.00E+00	2.67E+00	2.59E-06	2.46E-04	1.55E-03	0.00E+00	4.52E-03	2.03E-08	5.99E-10	2.93E-02	4.91E-04	1.80E-02	3.14E-03	3.42E-04	8.12E-02	1.79E+00	0.00E+00	2.39E-09	3.14E-09	3.61E-04	9.44E-06	2.39E-01	0.00E+00	1.79E+00	4.45E-09	1.79E+00	2.03E+00	2.39E-01	0.00E+00	0.00E+00	0.00E+00	1.47E-02
HHS041BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS041DC	4.98E-04	2.27E-01	4.07E-02	1.86E-01	0.00E+00	0.00E+00	2.54E+00	2.46E-06	2.35E-04	1.47E-03	0.00E+00	4.30E-03	1.93E-08	5.70E-10	2.78E-02	4.68E-04	1.71E-02	2.95E-03	3.26E-04	7.72E-02	1.70E+00	0.00E+00	2.27E-09	2.98E-09	3.43E-04	8.98E-06	2.28E-01	0.00E+00	1.70E+00	4.23E-09	1.70E+00	1.93E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-02
HHS041DR	6.53E-04	2.98E-01	5.34E-02	2.44E-01	0.00E+00	0.00E+00	3.33E+00	3.23E-06	3.08E-04	1.93E-03	0.00E+00	5.64E-03	2.54E-08	7.48E-10	3.65E-02	6.13E-04	2.24E-02	3.92E-03	4.27E-04	1.01E-01	2.23E+00	0.00E+00	2.98E-09	3.91E-09	4.50E-04	1.18E-05	2.99E-01	0.00E+00	2.23E+00	5.55E-09	2.23E+00	2.53E+00	2.99E-01	0.00E+00	0.00E+00	0.00E+00	1.83E-02
HHS048EC	3.10E-04	1.41E-01	2.54E-02	1.16E-01	0.00E+00	0.00E+00	1.58E+00	1.54E-06	1.46E-04	9.16E-04	0.00E+00	2.68E-03	1.20E-08	3.55E-10	1.74E-02	2.91E-04	1.07E-02	1.89E-03	2.03E-04	4.82E-02	1.06E+00	0.00E+00	1.42E-09	1.86E-09	2.14E-04	5.60E-06	1.42E-01	0.00E+00	1.06E+00	2.64E-09	1.06E+00	1.20E+00	1.42E-01	0.00E+00	0.00E+00	0.00E+00	8.72E-03
HHS050BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HHS051BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS061EC	2.87E-04	1.31E-01	2.34E-02	1.07E-01	0.00E+00	0.00E+00	1.46E+00	1.42E-06	1.35E-04	8.46E-04	0.00E+00	2.47E-03	1.11E-08	3.28E-10	1.60E-02	2.69E-04	9.87E-03	1.74E-03	1.88E-04	4.45E-02	9.78E-01	0.00E+00	1.31E-09	1.72E-09	1.98E-04	5.17E-06	1.31E-01	0.00E+00	9.78E-01	2.44E-09	9.78E-01	1.11E+00	1.31E-01	0.00E+00	0.00E+00	0.00E+00	8.05E-03
HHS063BC	5.86E-04	2.67E-01	4.79E-02	2.19E-01	0.00E+00	0.00E+00	2.99E+00	2.90E-06	2.76E-04	1.73E-03	0.00E+00	5.06E-03	2.28E-08	6.71E-10	3.28E-02	5.50E-04	2.01E-02	3.53E-03	3.83E-04	9.09E-02	2.00E+00	0.00E+00	2.68E-09	3.51E-09	4.04E-04	1.06E-05	2.68E-01	0.00E+00	2.00E+00	4.98E-09	2.00E+00	2.27E+00	2.68E-01	0.00E+00	0.00E+00	0.00E+00	1.65E-02
HHS063DC	6.33E-04	2.88E-01	5.17E-02	2.37E-01	0.00E+00	0.00E+00	3.22E+00	3.13E-06	2.98E-04	1.87E-03	0.00E+00	5.46E-03	2.46E-08	7.25E-10	3.54E-02	5.94E-04	2.18E-02	3.81E-03	4.14E-04	9.82E-02	2.16E+00	0.00E+00	2.89E-09	3.79E-09	4.36E-04	1.14E-05	2.89E-01	0.00E+00	2.16E+00	5.38E-09	2.16E+00	2.45E+00	2.89E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HHS063DR	5.21E-04	2.37E-01	4.26E-02	1.95E-01	0.00E+00	0.00E+00	2.65E+00	2.58E-06	2.45E-04	1.54E-03	0.00E+00	4.49E-03	2.02E-08	5.96E-10	2.91E-02	4.89E-04	1.79E-02	3.12E-03	3.41E-04	8.08E-02	1.78E+00	0.00E+00	2.38E-09	3.12E-09	3.59E-04	9.40E-06	2.38E-01	0.00E+00	1.78E+00	4.42E-09	1.78E+00	2.02E+00	2.38E-01	0.00E+00	0.00E+00	0.00E+00	1.46E-02
HHS064BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS064DC	6.97E-04	3.18E-01	5.70E-02	2.61E-01	0.00E+00	0.00E+00	3.55E+00	3.45E-06	3.28E-04	2.06E-03	0.00E+00	6.01E-03	2.71E-08	7.98E-10	3.90E-02	6.55E-04	2.39E-02	4.18E-03	4.56E-04	1.08E-01	2.38E+00	0.00E+00	3.18E-09	4.18E-09	4.80E-04	1.26E-05	3.19E-01	0.00E+00	2.38E+00	5.92E-09	2.38E+00	2.70E+00	3.19E-01	0.00E+00	0.00E+00	0.00E+00	1.96E-02
HHS064DR	6.28E-04	2.86E-01	5.14E-02	2.35E-01	0.00E+00	0.00E+00	3.20E+00	3.11E-06	2.96E-04	1.86E-03	0.00E+00	5.42E-03	2.44E-08	7.20E-10	3.52E-02	5.90E-04	2.16E-02	3.76E-03	4.11E-04	9.75E-02	2.15E+00	0.00E+00	2.87E-09	3.77E-09	4.33E-04	1.13E-05	2.87E-01	0.00E+00	2.15E+00	5.34E-09	2.15E+00	2.43E+00	2.87E-01	0.00E+00	0.00E+00	0.00E+00	1.77E-02
HHS078EC	3.39E-04	1.55E-01	2.77E-02	1.27E-01	0.00E+00	0.00E+00	1.73E+00	1.68E-06	1.60E-04	1.00E-03	0.00E+00	2.93E-03	1.32E-08	3.89E-10	1.90E-02	3.19E-04	1.17E-02	2.07E-03	2.22E-04	5.27E-02	1.16E+00	0.00E+00	1.55E-09	2.03E-09	2.34E-04	6.13E-06	1.55E-01	0.00E+00	1.16E+00	2.88E-09	1.16E+00	1.31E+00	1.55E-01	0.00E+00	0.00E+00	0.00E+00	9.54E-03
HHS080BC	5.91E-04	2.69E-01	4.83E-02	2.21E-01	0.00E+00	0.00E+00	3.01E+00	2.92E-06	2.78E-04	1.75E-03	0.00E+00	5.10E-03	2.30E-08	6.77E-10	3.31E-02	5.55E-04	2.03E-02	3.56E-03	3.87E-04	9.17E-02	2.02E+00	0.00E+00	2.70E-09	3.54E-09	4.07E-04	1.07E-05	2.70E-01	0.00E+00	2.02E+00	5.02E-09	2.02E+00	2.29E+00	2.70E-01	0.00E+00	0.00E+00	0.00E+00	1.66E-02
HHS080DC	6.42E-04	2.93E-01	5.25E-02	2.40E-01	0.00E+00	0.00E+00	3.27E+00	3.17E-06	3.02E-04	1.90E-03	0.00E+00	5.54E-03	2.49E-08	7.35E-10	3.59E-02	6.03E-04	2.21E-02	3.87E-03	4.20E-04	9.96E-02	2.19E+00	0.00E+00	2.93E-09	3.85E-09	4.42E-04	1.16E-05	2.93E-01	0.00E+00	2.19E+00	5.45E-09	2.19E+00	2.48E+00	2.93E-01	0.00E+00	0.00E+00	0.00E+00	1.80E-02
HHS080DR	5.28E-04	2.40E-01	4.31E-02	1.97E-01	0.00E+00	0.00E+00	2.69E+00	2.61E-06	2.48E-04	1.56E-03	0.00E+00	4.55E-03	2.05E-08	6.04E-10	2.95E-02	4.96E-04	1.81E-02	3.17E-03	3.45E-04	8.18E-02	1.80E+00	0.00E+00	2.41E-09	3.16E-09	3.64E-04	9.52E-06	2.41E-01	0.00E+00	1.80E+00	4.48E-09	1.80E+00	2.04E+00	2.41E-01	0.00E+00	0.00E+00	0.00E+00	1.48E-02
HHS081BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS081DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS081DR	6.35E-04	2.89E-01	5.19E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.14E-06	2.99E-04	1.88E-03	0.00E+00	5.48E-03	2.47E-08	7.27E-10	3.55E-02	5.97E-04	2.18E-02	3.80E-03	4.16E-04	9.85E-02	2.17E+00	0.00E+00	2.90E-09	3.81E-09	4.38E-04	1.15E-05	2.90E-01	0.00E+00	2.17E+00	5.40E-09	2.17E+00	2.46E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HHS098EC	3.20E-04	1.46E-01	2.62E-02	1.20E-01	0.00E+00	0.00E+00	1.63E+00	1.59E-06	1.51E-04	9.46E-04	0.00E+00	2.77E-03	1.24E-08	3.67E-10	1.79E-02	3.01E-04	1.10E-02	1.95E-03	2.10E-04	4.97E-02	1.09E+00	0.00E+00	1.46E-09	1.92E-09	2.21E-04	5.79E-06	1.47E-01	0.00E+00	1.09E+00	2.72E-09	1.09E+00	1.24E+00	1.47E-01	0.00E+00	0.00E+00	0.00E+00	9.01E-03
HHS100BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HHS100DC	6.47E-04	2.95E-01	5.29E-02	2.42E-01	0.00E+00	0.00E+00	3.30E+00	3.20E-06	3.05E-04	1.91E-03	0.00E+00	5.59E-03	2.51E-08	7.41E-10	3.62E-02	6.08E-04	2.23E-02	3.90E-03	4.24E-04	1.00E-01	2.21E+00	0.00E+00	2.96E-09	3.88E-09	4.46E-04	1.17E-05	2.96E-01	0.00E+00	2.21E+00	5.50E-09	2.21E+00	2.51E+00	2.96E-01	0.00E+00	0.00E+00	0.00E+00	1.82E-02
HHS100DR	5.30E-04	2.41E-01	4.33E-02	1.98E-01	0.00E+00	0.00E+00	2.70E+00	2.62E-06	2.50E-04	1.57E-03	0.00E+00	4.57E-03	2.06E-08	6.07E-10	2.96E-02	4.98E-04	1.82E-02	3.18E-03	3.47E-04	8.22E-02	1.81E+00	0.00E+00	2.42E-09	3.18E-09	3.65E-04	9.56E-06	2.42E-01	0.00E+00	1.81E+00	4.50E-09	1.81E+00	2.05E+00	2.42E-01	0.00E+00	0.00E+00	0.00E+00	1.49E-02
HHS101BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS101DC	7.08E-04	3.22E-01	5.79E-02	2.65E-01	0.00E+00	0.00E+00	3.61E+00	3.50E-06	3.33E-04	2.09E-03	0.00E+00	6.11E-03	2.75E-08	8.10E-10	3.96E-02	6.65E-04	2.43E-02	4.24E-03	4.63E-04	1.10E-01	2.42E+00	0.00E+00	3.23E-09	4.24E-09	4.88E-04	1.28E-05	3.24E-01	0.00E+00	2.42E+00	6.01E-09	2.42E+00	2.74E+00	3.24E-01	0.00E+00	0.00E+00	0.00E+00	1.99E-02
HHS101DR	6.33E-04	2.89E-01	5.18E-02	2.37E-01	0.00E+00	0.00E+00	3.23E+00	3.13E-06	2.98E-04	1.87E-03	0.00E+00	5.47E-03	2.46E-08	7.25E-10	3.54E-02	5.95E-04	2.18E-02	3.79E-03	4.14E-04	9.82E-02	2.16E+00	0.00E+00	2.89E-09	3.80E-09	4.37E-04	1.14E-05	2.90E-01	0.00E+00	2.16E+00	5.38E-09	2.16E+00	2.45E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HHS102DC	6.61E-04	3.01E-01	5.41E-02	2.47E-01	0.00E+00	0.00E+00	3.37E+00	3.27E-06	3.11E-04	1.95E-03	0.00E+00	5.71E-03	2.57E-08	7.57E-10	3.70E-02	6.21E-04	2.27E-02	3.96E-03	4.33E-04	1.03E-01	2.26E+00	0.00E+00	3.02E-09	3.96E-09	4.56E-04	1.19E-05	3.02E-01	0.00E+00	2.26E+00	5.62E-09	2.26E+00	2.56E+00	3.02E-01	0.00E+00	0.00E+00	0.00E+00	1.86E-02
HHS123EC	3.20E-04	1.46E-01	2.62E-02	1.20E-01	0.00E+00	0.00E+00	1.63E+00	1.58E-06	1.51E-04	9.46E-04	0.00E+00	2.76E-03	1.24E-08	3.67E-10	1.79E-02	3.01E-04	1.10E-02	1.95E-03	2.10E-04	4.97E-02	1.09E+00	0.00E+00	1.46E-09	1.92E-09	2.21E-04	5.78E-06	1.46E-01	0.00E+00	1.09E+00	2.72E-09	1.09E+00	1.24E+00	1.46E-01	0.00E+00	0.00E+00	0.00E+00	9.00E-03
HHS125BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HHS125DC	6.39E-04	2.91E-01	5.22E-02	2.39E-01	0.00E+00	0.00E+00	3.25E+00	3.16E-06	3.01E-04	1.89E-03	0.00E+00	5.51E-03	2.48E-08	7.31E-10	3.57E-02	6.00E-04	2.20E-02	3.85E-03	4.18E-04	9.91E-02	2.18E+00	0.00E+00	2.92E-09	3.83E-09	4.40E-04	1.15E-05	2.92E-01	0.00E+00	2.18E+00	5.43E-09	2.18E+00	2.47E+00	2.92E-01	0.00E+00	0.00E+00	0.00E+00	1.80E-02
HHS125DR	5.43E-04	2.48E-01	4.44E-02	2.03E-01	0.00E+00	0.00E+00	2.77E+00	2.69E-06	2.56E-04	1.60E-03	0.00E+00	4.69E-03	2.11E-08	6.22E-10	3.04E-02	5.10E-04	1.87E-02	3.26E-03	3.55E-04	8.42E-02	1.85E+00	0.00E+00	2.48E-09	3.26E-09	3.74E-04	9.80E-06	2.48E-01	0.00E+00	1.85E+00	4.62E-09	1.85E+00	2.10E+00	2.48E-01	0.00E+00	0.00E+00	0.00E+00	1.53E-02
HHS126BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS126DC	7.13E-04	3.25E-01	5.83E-02	2.67E-01	0.00E+00	0.00E+00	3.63E+00	3.53E-06	3.36E-04	2.11E-03	0.00E+00	6.15E-03	2.77E-08	8.17E-10	3.99E-02	6.70E-04	2.45E-02	4.28E-03	4.67E-04	1.11E-01	2.43E+00	0.00E+00	3.26E-09	4.27E-09	4.92E-04	1.29E-05	3.26E-01	0.00E+00	2.43E+00	6.06E-09	2.43E+00	2.76E+00	3.26E-01	0.00E+00	0.00E+00	0.00E+00	2.00E-02
HHS126DR	6.21E-04	2.83E-01	5.08E-02	2.32E-01	0.00E+00	0.00E+00	3.17E+00	3.07E-06	2.93E-04	1.84E-03	0.00E+00	5.36E-03	2.41E-08	7.12E-10	3.48E-02	5.84E-04	2.14E-02	3.72E-03	4.07E-04	9.64E-02	2.12E+00	0.00E+00	2.84E-09	3.72E-09	4.28E-04	1.12E-05	2.84E-01	0.00E+00	2.12E+00	5.28E-09	2.12E+00	2.41E+00	2.84E-01	0.00E+00	0.00E+00	0.00E+00	1.75E-02
HHS127DC	6.83E-04	3.11E-01	5.59E-02	2.56E-01	0.00E+00	0.00E+00	3.48E+00	3.38E-06	3.22E-04	2.02E-03	0.00E+00	5.90E-03	2.65E-08	7.83E-10	3.82E-02	6.42E-04	2.35E-02	4.10E-03	4.47E-04	1.06E-01	2.33E+00	0.00E+00	3.12E-09	4.10E-09	4.71E-04	1.23E-05	3.13E-01	0.00E+00	2.33E+00	5.81E-09	2.33E+00	2.65E+00	3.13E-01	0.00E+00	0.00E+00	0.00E+00	1.92E-02
HHS160BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HHS160DC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.49E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.66E-08	7.85E-10	3.84E-02	6.44E-04	2.36E-02	4.14E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HHS160DR	5.06E-04	2.31E-01	4.14E-02	1.89E-01	0.00E+00	0.00E+00	2.58E+00	2.50E-06	2.38E-04	1.49E-03	0.00E+00	4.37E-03	1.96E-08	5.79E-10	2.83E-02	4.75E-04	1.74E-02	3.03E-03	3.31E-04	7.84E-02	1.73E+00	0.00E+00	2.31E-09	3.03E-09	3.49E-04	9.13E-06	2.31E-01	0.00E+00	1.73E+00	4.30E-09	1.73E+00	1.96E+00	2.31E-01	0.00E+00	0.00E+00	0.00E+00	1.42E-02
HHS161BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HHS161DC	8.08E-04	3.68E-01	6.61E-02	3.02E-01	0.00E+00	0.00E+00	4.12E+00	4.00E-06	3.81E-04	2.39E-03	0.00E+00	6.97E-03	3.14E-08	9.25E-10	4.52E-02	7.59E-04	2.78E-02	4.87E-03	5.29E-04	1.25E-01	2.76E+00	0.00E+00	3.69E-09	4.84E-09	5.57E-04	1.46E-05	3.70E-01	0.00E+00	2.76E+00	6.87E-09	2.76E+00	3.13E+00	3.70E-01	0.00E+00	0.00E+00	0.00E+00	2.27E-02
HHS161DR	6.45E-04	2.94E-01	5.28E-02	2.41E-01	0.00E+00	0.00E+00	3.29E+00	3.19E-06	3.04E-04	1.91E-03	0.00E+00	5.57E-03	2.51E-08	7.39E-10	3.61E-02	6.06E-04	2.22E-02	3.86E-03	4.22E-04	1.00E-01	2.20E+00	0.00E+00	2.95E-09	3.87E-09	4.45E-04	1.16E-05	2.95E-01	0.00E+00	2.20E+00	5.48E-09	2.20E+00	2.50E+00	2.95E-01	0.00E+00	0.00E+00	0.00E+00	1.81E-02
HHS162DC	6.91E-04	3.15E-01	5.65E-02	2.58E-01	0.00E+00	0.00E+00	3.52E+00	3.42E-06	3.25E-04	2.04E-03	0.00E+00	5.96E-03	2.68E-08	7.91E-10	3.86E-02	6.49E-04	2.37E-02	4.14E-03	4.52E-04	1.07E-01	2.36E+00	0.00E+00	3.15E-09	4.14E-09	4.76E-04	1.25E-05	3.16E-01	0.00E+00	2.36E+00	5.87E-09	2.36E+00	2.67E+00	3.16E-01	0.00E+00	0.00E+00	0.00E+00	1.94E-02
HHT050DR	9.01E-04	4.11E-01	7.37E-02	3.37E-01	0.00E+00	0.00E+00	4.59E+00	4.46E-06	4.24E-04	2.66E-03	0.00E+00	7.78E-03	3.50E-08	1.03E-09	5.04E-02	8.46E-04	3.10E-02	5.44E-03	5.90E-04	1.40E-01	3.08E+00	0.00E+00	4.11E-09	5.40E-09	6.21E-04	1.63E-05	4.12E-01	0.00E+00	3.08E+00	7.66E-09	3.08E+00	3.49E+00	4.12E-01	0.00E+00	0.00E+00	0.00E+00	2.53E-02
HHT051DR	8.42E-04	3.84E-01	6.89E-02	3.15E-01	0.00E+00	0.00E+00	4.29E+00	4.17E-06	3.97E-04	2.49E-03	0.00E+00	7.27E-03	3.27E-08	9.64E-10	4.71E-02	7.91E-04	2.89E-02	5.02E-03	5.51E-04	1.31E-01	2.87E+00	0.00E+00	3.85E-09	5.05E-09	5.80E-04	1.52E-05	3.85E-01	0.00E+00	2.87E+00	7.16E-09	2.87E+00	3.26E+00	3.85E-01	0.00E+00	0.00E+00	0.00E+00	2.37E-02
HHT063DR	9.04E-04	4.12E-01	7.39E-02	3.38E-01	0.00E+00	0.00E+00	4.61E+00	4.47E-06	4.26E-04	2.67E-03	0.00E+00	7.80E-03	3.51E-08	1.04E-09	5.06E-02	8.49E-04	3.11E-02	5.46E-03	5.92E-04	1.40E-01	3.09E+00	0.00E+00	4.13E-09	5.42E-09	6.23E-04	1.63E-05	4.14E-01	0.00E+00	3.09E+00	7.69E-09	3.09E+00	3.50E+00	4.14E-01	0.00E+00	0.00E+00	0.00E+00	2.54E-02
HHT064DR	6.24E-04	2.84E-01	5.11E-02	2.33E-01	0.00E+00	0.00E+00	3.18E+00	3.09E-06	2.94E-04	1.84E-03	0.00E+00	5.39E-03	2.43E-08	7.15E-10	3.49E-02	5.87E-04	2.14E-02	3.68E-03	4.08E-04	9.67E-02	2.13E+00	0.00E+00	2.85E-09	3.74E-09	4.30E-04	1.13E-05	2.85E-01	0.00E+00	2.13E+00	5.30E-09	2.13E+00	2.42E+00	2.85E-01	0.00E+00	0.00E+00	0.00E+00	1.75E-02
HHT100BR	1.02E-03	4.67E-01	8.38E-02	3.83E-01	0.00E+00	0.00E+00	5.22E+00	5.07E-06	4.83E-04	3.03E-03	0.00E+00	8.84E-03	3.98E-08	1.17E-09	5.74E-02	9.63E-04	3.53E-02	6.20E-03	6.71E-04	1.59E-01	3.50E+00	0.00E+00	4.68E-09	6.14E-09	7.07E-04	1.85E-05	4.69E-01	0.00E+00	3.50E+00	8.71E-09	3.50E+00	3.97E+00	4.69E-01	0.00E+00	0.00E+00	0.00E+00	2.88E-02
HHT100DR	9.90E-04	4.51E-01	8.10E-02	3.70E-01	0.00E+00	0.00E+00	5.04E+00	4.90E-06	4.66E-04	2.92E-03	0.00E+00	8.55E-03	3.85E-08	1.13E-09	5.54E-02	9.30E-04	3.41E-02	5.99E-03	6.48E-04	1.54E-01	3.38E+00	0.00E+00	4.52E-09	5.94E-09	6.83E-04	1.79E-05	4.53E-01	0.00E+00	3.38E+00	8.42E-09	3.38E+00	3.83E+00	4.53E-01	0.00E+00	0.00E+00	0.00E+00	2.78E-02
HHT101BR	9.69E-04	4.41E-01	7.92E-02	3.62E-01	0.00E+00	0.00E+00	4.94E+00	4.79E-06	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-08	1.11E-09	5.42E-02	9.10E-04	3.33E-02	5.80E-03	6.34E-04	1.50E-01	3.31E+00	0.00E+00	4.42E-09	5.81E-09	6.68E-04	1.75E-05	4.43E-01	0.00E+00	3.31E+00	8.23E-09	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.72E-02
HHT101DR	8.72E-04	3.97E-01	7.13E-02	3.26E-01	0.00E+00	0.00E+00	4.44E+00	4.31E-06	4.11E-04	2.57E-03	0.00E+00	7.52E-03	3.39E-08	9.98E-10	4.88E-02	8.19E-04	2.99E-02	5.21E-03	5.70E-04	1.35E-01	2.98E+00	0.00E+00	3.98E-09	5.23E-09	6.01E-04	1.57E-05	3.99E-01	0.00E+00	2.98E+00	7.41E-09	2.98E+00	3.37E+00	3.99E-01	0.00E+00	0.00E+00	0.00E+00	2.45E-02
HHT102DR	1.13E-03	5.13E-01	9.21E-02	4.21E-01	0.00E+00	0.00E+00	5.74E+00	5.57E-06	5.30E-04	3.33E-03	0.00E+00	9.72E-03	4.37E-08	1.29E-09	6.30E-02	1.06E-03	3.87E-02	6.79E-03	7.37E-04	1.75E-01	3.84E+00	0.00E+00	5.14E-09	6.75E-09	7.76E-04	2.03E-05	5.15E-01	0.00E+00	3.84E+00	9.57E-09	3.84E+00	4.36E+00	5.15E-01	0.00E+00	0.00E+00	0.00E+00	3.16E-02

HHT125BR	1.02E-03	4.67E-01	8.38E-02	3.83E-01	0.00E+00	0.00E+00	5.22E+00	5.07E-06	4.83E-04	3.03E-03	0.00E+00	8.84E-03	3.98E-08	1.17E-09	5.74E-02	9.63E-04	3.53E-02	6.20E-03	6.71E-04	1.59E-01	3.50E+00	0.00E+00	4.68E-09	6.14E-09	7.07E-04	1.85E-05	4.69E-01	0.00E+00	3.50E+00	8.71E-09	3.50E+00	3.97E+00	4.69E-01	0.00E+00	0.00E+00	0.00E+00	2.88E-02
HHT125DR	4.99E-04	2.27E-01	4.08E-02	1.86E-01	0.00E+00	0.00E+00	2.54E+00	2.47E-06	2.35E-04	1.47E-03	0.00E+00	4.31E-03	1.94E-08	5.71E-10	2.79E-02	4.69E-04	1.71E-02	2.94E-03	3.26E-04	7.73E-02	1.70E+00	0.00E+00	2.28E-09	2.99E-09	3.44E-04	9.00E-06	2.28E-01	0.00E+00	1.70E+00	4.24E-09	1.70E+00	1.93E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-02
HHT126BR	9.69E-04	4.41E-01	7.92E-02	3.62E-01	0.00E+00	0.00E+00	4.94E+00	4.79E-06	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-08	1.11E-09	5.42E-02	9.10E-04	3.33E-02	5.80E-03	6.34E-04	1.50E-01	3.31E+00	0.00E+00	4.42E-09	5.81E-09	6.68E-04	1.75E-05	4.43E-01	0.00E+00	3.31E+00	8.23E-09	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.72E-02
HHT126DR	6.17E-04	2.81E-01	5.05E-02	2.31E-01	0.00E+00	0.00E+00	3.14E+00	3.05E-06	2.91E-04	1.82E-03	0.00E+00	5.33E-03	2.40E-08	7.06E-10	3.45E-02	5.80E-04	2.11E-02	3.63E-03	4.03E-04	9.56E-02	2.11E+00	0.00E+00	2.82E-09	3.70E-09	4.25E-04	1.11E-05	2.82E-01	0.00E+00	2.11E+00	5.24E-09	2.11E+00	2.39E+00	2.82E-01	0.00E+00	0.00E+00	0.00E+00	1.73E-02
HHT127DR	1.16E-03	5.29E-01	9.49E-02	4.34E-01	0.00E+00	0.00E+00	5.92E+00	5.74E-06	5.47E-04	3.43E-03	0.00E+00	1.00E-02	4.51E-08	1.33E-09	6.50E-02	1.09E-03	3.99E-02	7.01E-03	7.60E-04	1.80E-01	3.96E+00	0.00E+00	5.30E-09	6.96E-09	8.00E-04	2.10E-05	5.31E-01	0.00E+00	3.96E+00	9.87E-09	3.96E+00	4.50E+00	5.31E-01	0.00E+00	0.00E+00	0.00E+00	3.26E-02
HHT160BR	1.02E-03	4.67E-01	8.38E-02	3.83E-01	0.00E+00	0.00E+00	5.22E+00	5.07E-06	4.83E-04	3.03E-03	0.00E+00	8.84E-03	3.98E-08	1.17E-09	5.74E-02	9.63E-04	3.53E-02	6.20E-03	6.71E-04	1.59E-01	3.50E+00	0.00E+00	4.68E-09	6.14E-09	7.07E-04	1.85E-05	4.69E-01	0.00E+00	3.50E+00	8.71E-09	3.50E+00	3.97E+00	4.69E-01	0.00E+00	0.00E+00	0.00E+00	2.88E-02
HHT160DR	9.46E-04	4.31E-01	7.73E-02	3.54E-01	0.00E+00	0.00E+00	4.82E+00	4.68E-06	4.45E-04	2.79E-03	0.00E+00	8.16E-03	3.67E-08	1.08E-09	5.29E-02	8.88E-04	3.25E-02	5.71E-03	6.19E-04	1.47E-01	3.23E+00	0.00E+00	4.32E-09	5.67E-09	6.52E-04	1.71E-05	4.33E-01	0.00E+00	3.23E+00	8.04E-09	3.23E+00	3.66E+00	4.33E-01	0.00E+00	0.00E+00	0.00E+00	2.66E-02
HHT161BR	9.69E-04	4.41E-01	7.92E-02	3.62E-01	0.00E+00	0.00E+00	4.94E+00	4.79E-06	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-08	1.11E-09	5.42E-02	9.10E-04	3.33E-02	5.80E-03	6.34E-04	1.50E-01	3.31E+00	0.00E+00	4.42E-09	5.81E-09	6.68E-04	1.75E-05	4.43E-01	0.00E+00	3.31E+00	8.23E-09	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.72E-02
HHT161DR	4.53E-04	2.06E-01	3.71E-02	1.69E-01	0.00E+00	0.00E+00	2.31E+00	2.24E-06	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.76E-08	5.19E-10	2.53E-02	4.26E-04	1.55E-02	2.61E-03	2.96E-04	7.01E-02	1.55E+00	0.00E+00	2.07E-09	2.72E-09	3.12E-04	8.17E-06	2.07E-01	0.00E+00	1.55E+00	3.85E-09	1.55E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HHT162DR	1.15E-03	5.26E-01	9.43E-02	4.32E-01	0.00E+00	0.00E+00	5.88E+00	5.71E-06	5.43E-04	3.41E-03	0.00E+00	9.96E-03	4.48E-08	1.32E-09	6.46E-02	1.08E-03	3.97E-02	6.96E-03	7.55E-04	1.79E-01	3.94E+00	0.00E+00	5.27E-09	6.92E-09	7.95E-04	2.08E-05	5.28E-01	0.00E+00	3.94E+00	9.81E-09	3.94E+00	4.47E+00	5.28E-01	0.00E+00	0.00E+00	0.00E+00	3.24E-02
HHT200BR	1.02E-03	4.67E-01	8.38E-02	3.83E-01	0.00E+00	0.00E+00	5.22E+00	5.07E-06	4.83E-04	3.03E-03	0.00E+00	8.84E-03	3.98E-08	1.17E-09	5.74E-02	9.63E-04	3.53E-02	6.20E-03	6.71E-04	1.59E-01	3.50E+00	0.00E+00	4.68E-09	6.14E-09	7.07E-04	1.85E-05	4.69E-01	0.00E+00	3.50E+00	8.71E-09	3.50E+00	3.97E+00	4.69E-01	0.00E+00	0.00E+00	0.00E+00	2.88E-02
HHT200DR	9.71E-04	4.42E-01	7.93E-02	3.63E-01	0.00E+00	0.00E+00	4.94E+00	4.80E-06	4.57E-04	2.87E-03	0.00E+00	8.38E-03	3.77E-08	1.11E-09	5.43E-02	9.11E-04	3.34E-02	5.87E-03	6.35E-04	1.51E-01	3.31E+00	0.00E+00	4.43E-09	5.82E-09	6.69E-04	1.75E-05	4.44E-01	0.00E+00	3.31E+00	8.25E-09	3.31E+00	3.76E+00	4.44E-01	0.00E+00	0.00E+00	0.00E+00	2.73E-02
HHT201BR	9.69E-04	4.41E-01	7.92E-02	3.62E-01	0.00E+00	0.00E+00	4.94E+00	4.79E-06	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-08	1.11E-09	5.42E-02	9.10E-04	3.33E-02	5.80E-03	6.34E-04	1.50E-01	3.31E+00	0.00E+00	4.42E-09	5.81E-09	6.68E-04	1.75E-05	4.43E-01	0.00E+00	3.31E+00	8.23E-09	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.72E-02
HHT201DR	9.03E-04	4.08E-01	7.43E-02	3.34E-01	0.00E+00	0.00E+00	4.62E+00	4.46E-06	4.27E-04	2.67E-03	0.00E+00	7.83E-03	3.53E-08	1.04E-09	4.99E-02	8.53E-04	2.98E-02	3.88E-03	5.83E-04	1.38E-01	3.08E+00	0.00E+00	4.13E-09	5.41E-09	6.23E-04	1.62E-05	4.12E-01	0.00E+00	3.08E+00	7.64E-09	3.08E+00	3.49E+00	4.12E-01	0.00E+00	0.00E+00	0.00E+00	2.50E-02
HHT202DR	1.13E-03	5.15E-01	9.23E-02	4.22E-01	0.00E+00	0.00E+00	5.75E+00	5.58E-06	5.32E-04	3.33E-03	0.00E+00	9.74E-03	4.38E-08	1.29E-09	6.32E-02	1.06E-03	3.88E-02	6.81E-03	7.39E-04	1.75E-01	3.85E+00	0.00E+00	5.16E-09	6.77E-09	7.78E-04	2.04E-05	5.16E-01	0.00E+00	3.85E+00	9.60E-09	3.85E+00	4.37E+00	5.16E-01	0.00E+00	0.00E+00	0.00E+00	3.17E-02
HHT250BR	1.02E-03	4.67E-01	8.38E-02	3.83E-01	0.00E+00	0.00E+00	5.22E+00	5.07E-06	4.83E-04	3.03E-03	0.00E+00	8.84E-03	3.98E-08	1.17E-09	5.74E-02	9.63E-04	3.53E-02	6.20E-03	6.71E-04	1.59E-01	3.50E+00	0.00E+00	4.68E-09	6.14E-09	7.07E-04	1.85E-05	4.69E-01	0.00E+00	3.50E+00	8.71E-09	3.50E+00	3.97E+00	4.69E-01	0.00E+00	0.00E+00	0.00E+00	2.88E-02
HHT250DR	9.36E-04	4.27E-01	7.65E-02	3.50E-01	0.00E+00	0.00E+00	4.77E+00	4.63E-06	4.41E-04	2.76E-03	0.00E+00	8.08E-03	3.63E-08	1.07E-09	5.24E-02	8.79E-04	3.22E-02	5.65E-03	6.13E-04	1.45E-01	3.20E+00	0.00E+00	4.27E-09	5.61E-09	6.45E-04	1.69E-05	4.28E-01	0.00E+00	3.20E+00	7.95E-09	3.20E+00	3.62E+00	4.28E-01	0.00E+00	0.00E+00	0.00E+00	2.63E-02
HHT251BR	9.69E-04	4.41E-01	7.92E-02	3.62E-01	0.00E+00	0.00E+00	4.94E+00	4.79E-06	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-08	1.11E-09	5.42E-02	9.10E-04	3.33E-02	5.80E-03	6.34E-04	1.50E-01	3.31E+00	0.00E+00	4.42E-09	5.81E-09	6.68E-04	1.75E-05	4.43E-01	0.00E+00	3.31E+00	8.23E-09	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.72E-02
HHT251DR	9.01E-04	4.07E-01	7.41E-02	3.33E-01	0.00E+00	0.00E+00	4.61E+00	4.45E-06	4.26E-04	2.66E-03	0.00E+00	7.81E-03	3.52E-08	1.04E-09	4.98E-02	8.51E-04	2.97E-02	3.88E-03	5.82E-04	1.38E-01	3.07E+00	0.00E+00	4.12E-09	5.39E-09	6.22E-04	1.62E-05	4.11E-01	0.00E+00	3.07E+00	7.62E-09	3.07E+00	3.49E+00	4.11E-01	0.00E+00	0.00E+00	0.00E+00	2.50E-02
HHT252DR	1.17E-03	5.34E-01	9.57E-02	4.38E-01	0.00E+00	0.00E+00	5.97E+00	5.79E-06	5.51E-04	3.46E-03	0.00E+00	1.01E-02	4.55E-08	1.34E-09	6.55E-02	1.10E-03	4.03E-02	7.07E-03	7.66E-04	1.82E-01	4.00E+00	0.00E+00	5.35E-09	7.02E-09	8.07E-04	2.11E-05	5.36E-01	0.00E+00	4.00E+00	9.95E-09	4.00E+00	4.53E+00	5.36E-01	0.00E+00	0.00E+00	0.00E+00	3.29E-02
HHW250DR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HHW251DR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HHW320DR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HHW321DR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HHW400DR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HHW401DR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HMJ250DR	1.72E-03	7.85E-01	1.41E-01	6.44E-01	0.00E+00	0.00E+00	8.78E+00	8.53E-06	8.12E-04	5.09E-03	0.00E+00	1.49E-02	6.70E-08	1.97E-09	9.64E-02	1.62E-03	5.92E-02	1.02E-02	1.13E-03	2.67E-01	5.89E+00	0.00E+00	7.87E-09	1.03E-08	1.19E-03	3.11E-05	7.88E-01	0.00E+00	5.89E+00	1.46E-08	5.89E+00	6.67E+00	7.88E-01	0.00E+00	0.00E+00	0.00E+00	4.84E-02
HMJ251DR	1.89E-03	8.60E-01	1.54E-01	7.05E-01	0.00E+00	0.00E+00	9.62E+00	9.34E-06	8.89E-04	5.58E-03	0.00E+00	1.63E-02	7.33E-08	2.16E-09	1.06E-01	1.77E-03	6.47E-02	1.11E-02	1.23E-03	2.93E-01	6.44E+00	0.00E+00	8.62E-09	1.13E-08	1.30E-03	3.41E-05	8.63E-01	0.00E+00	6.44E+00	1.60E-08	6.44E+00	7.31E+00	8.63E-01	0.00E+00	0.00E+00	0.00E+00	5.30E-02
HMJ320BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HMJ320DR	1.84E-03	8.40E-01	1.51E-01	6.89E-01	0.00E+00	0.00E+00	9.39E+00	9.11E-06	8.68E-04	5.44E-03	0.00E+00	1.59E-02	7.16E-08	2.11E-09	1.03E-01	1.73E-03	6.33E-02	1.10E-02	1.21E-03	2.86E-01	6.29E+00	0.00E+00	8.41E-09	1.10E-08	1.27E-03	3.33E-05	8.43E-01	0.00E+00	6.29E+00	1.57E-08	6.29E+00	7.13E+00	8.43E-01	0.00E+00	0.00E+00	0.00E+00	5.18E-02
HMJ321DR	1.98E-03	9.00E-01	1.62E-01	7.39E-01	0.00E+00	0.00E+00	1.01E+01	9.78E-06	9.31E-04	5.84E-03	0.00E+00	1.71E-02	7.68E-08	2.26E-09	1.10E-01	1.86E-03	6.78E-02	1.17E-02	1.29E-03	3.06E-01	6.75E+00	0.00E+00	9.03E-09	1.18E-08	1.36E-03	3.57E-05	9.04E-01	0.00E+00	6.75E+00	1.68E-08	6.75E+00	7.65E+00	9.04E-01	0.00E+00	0.00E+00	0.00E+00	5.55E-02
HMJ400DR	1.12E-03	5.15E-01	9.16E-02	4.23E-01	0.00E+00	0.00E+00	5.71E+00	5.57E-06	5.28E-04	3.32E-03	0.00E+00	9.68E-03	4.35E-08	1.28E-09	6.34E-02	1.05E-03	3.96E-02	8.00E-03	7.42E-04	1.76E-01	3.84E+00	0.00E+00	5.12E-09	6.74E-09	7.74E-04	2.04E-05	5.15E-01	0.00E+00	3.84E+00	9.58E-09	3.84E+00	4.35E+00	5.15E-01	0.00E+00	0.00E+00	0.00E+00	3.19E-02
HMJ401DR	2.01E-03	9.14E-01	1.64E-01	7.50E-01	0.00E+00	0.00E+00	1.02E+01	9.93E-06	9.45E-04	5.93E-03	0.00E+00	1.73E-02	7.80E-08	2.30E-09	1.12E-01	1.89E-03	6.88E-02	1.18E-02	1.31E-03	3.11E-01	6.85E+00	0.00E+00	9.16E-09	1.20E-08	1.38E-03	3.62E-05	9.18E-01	0.00E+00	6.85E+00	1.70E-08	6.85E+00	7.77E+00	9.18E-01	0.00E+00	0.00E+00	0.00E+00	5.63E-02
HMJ500BR	2.21E-03	1.01E+00	1.81E-01	8.28E-01	0.00E+00	0.00E+00	1.13E+01	1.10E-05	1.04E-03	6.54E-03	0.00E+00	1.91E-02	8.60E-08	2.54E-09	1.24E-01	2.08E-03	7.61E-02	1.33E-02	1.45E-03	3.43E-01	7.56E+00	0.00E+00	1.01E-08	1.33E-08	1.53E-03	4.00E-05	1.01E+00	0.00E+00	7.56E+00	1.88E-08	7.56E+00	8.57E+00	1.01E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-02
HMJ630DE	1.12E-03	5.15E-01	9.16E-02	4.23E-01	0.00E+00	0.00E+00	5.71E+00	5.57E-06	5.28E-04	3.32E-03	0.00E+00	9.68E-03	4.35E-08	1.28E-09	6.34E-02	1.05E-03	3.96E-02	8.00E-03	7.42E-04	1.76E-01	3.84E+00	0.00E+00	5.12E-09	6.74E-09	7.74E-04	2.04E-05	5.15E-01	0.00E+00	3.84E+00	9.58E-09	3.84E+00	4.35E+00	5.15E-01	0.00E+00	0.00E+00	0.00E+00	3.19E-02
HMS025BC	5.22E-04	2.38E-01	4.27E-02	1.95E-01	0.00E+00	0.00E+00	2.66E+00	2.58E-06	2.46E-04	1.54E-03	0.00E+00	4.50E-03	2.03E-08	5.97E-10	2.92E-02	4.90E-04	1.79E-02	3.13E-03	3.41E-04	8.09E-02	1.78E+00	0.00E+00	2.38E-09	3.13E-09	3.60E-04	9.42E-06	2.39E-01	0.00E+00	1.78E+00	4.43E-09	1.78E+00	2.02E+00	2.39E-01	0.00E+00	0.00E+00	0.00E+00	1.47E-02
HMS025BR	5.29E-04	2.41E-01	4.32E-02	1.98E-01	0.00E+00	0.00E+00	2.69E+00	2.62E-06	2.49E-04	1.56E-03	0.00E+00	4.56E-03	2.05E-08	6.06E-10	2.96E-02	4.97E-04	1.82E-02	3.18E-03	3.46E-04	8.20E-02	1.81E+00	0.00E+00	2.41E-09	3.17E-09	3.65E-04	9.55E-06	2.42E-01	0.00E+00	1.81E+00	4.50E-09	1.81E+00	2.05E+00	2.42E-01	0.00E+00	0.00E+00	0.00E+00	1.49E-02
HMS025DC	5.10E-04	2.32E-01	4.17E-02	1.91E-01	0.00E+00	0.00E+00	2.60E+00	2.52E-06	2.40E-04	1.51E-03	0.00E+00	4.40E-03	1.98E-08	5.84E-10	2.85E-02	4.79E-04	1.75E-02	3.06E-03	3.34E-04	7.91E-02	1.74E+00	0.00E+00	2.33E-09	3.06E-09	3.52E-04	9.21E-06	2.33E-01	0.00E+00	1.74E+00	4.34E-09	1.74E+00	1.97E+00	2.33E-01	0.00E+00	0.00E+00	0.00E+00	1.43E-02
HMS025DR	5.25E-04	2.39E-01	4.29E-02	1.96E-01	0.00E+00	0.00E+00	2.68E+00	2.60E-06	2.47E-04	1.55E-03	0.00E+00	4.53E-03	2.04E-08	6.01E-10	2.94E-02	4.93E-04	1.81E-02	3.16E-03	3.44E-04	8.15E-02	1.79E+00	0.00E+00	2.40E-09	3.15E-09	3.62E-04	9.48E-06	2.40E-01	0.00E+00	1.79E+00	4.46E-09	1.79E+00	2.03E+00	2.40E-01	0.00E+00	0.00E+00	0.00E+00	1.48E-02
HMS026BC	6.69E-04	3.05E-01	5.47E-02	2.50E-01	0.00E+00	0.00E+00	3.41E+00	3.31E-06	3.15E-04	1.97E-03	0.00E+00	5.77E-03	2.60E-08	7.66E-10	3.74E-02	6.28E-04	2.30E-02	4.00E-03	4.37E-04	1.04E-01	2.28E+00	0.00E+00	3.05E-09	4.01E-09	4.61E-04	1.21E-05	3.06E-01	0.00E+00	2.28E+00	5.68E-09	2.28E+00	2.59E+00	3.06E-01	0.00E+00	0.00E+00	0.00E+00	1.88E-02
HMS026BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS026DC	5.15E-04	2.34E-01	4.21E-02	1.92E-01	0.00E+00	0.00E+00	2.62E+00	2.55E-06	2.42E-04	1.52E-03	0.00E+00	4.44E-03	2.00E-08	5.89E-10	2.88E-02	4.83E-04	1.77E-02	3.05E-03	3.37E-04	7.98E-02	1.76E+00	0.00E+00	2.35E-09	3.08E-09	3.55E-04	9.29E-06	2.35E-01	0.00E+00	1.76E+00	4.37E-09	1.76E+00	1.99E+00	2.35E-01	0.00E+00	0.00E+00	0.00E+00	1.44E-02
HMS026DR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS040BC	4.83E-04	2.20E-01	3.95E-02	1.81E-01	0.00E+00	0.00E+00	2.46E+00	2.39E-06	2.28E-04	1.43E-03	0.00E+00	4.17E-03	1.88E-08	5.54E-10	2.70E-02	4.54E-04	1.66E-02	2.89E-03	3.16E-04	7.50E-02	1.65E+00	0.00E+00	2.21E-09	2.90E-09	3.33E-04	8.72E-06	2.21E-01	0.00E+00	1.65E+00	4.11E-09	1.65E+00	1.87E+00	2.21E-01	0.00E+00	0.00E+00	0.00E+00	1.36E-02
HMS040BR	5.29E-04	2.41E-01	4.32E-02	1.98E-01	0.00E+00	0.00E+00	2.69E+00	2.61E-06	2.49E-04	1.56E-03	0.00E+00	4.56E-03	2.05E-08	6.05E-10	2.96E-02	4.96E-04	1.82E-02	3.18E-03	3.46E-04	8.20E-02	1.80E+00	0.00E+00	2.41E-09	3.17E-09	3.64E-04	9.54E-06	2.42E-01	0.00E+00	1.80E+00	4.49E-09	1.80E+00	2.05E+00	2.42E-01	0.00E+00	0.00E+00	0.00E+00	1.49E-02
HMS040DC	5.23E-04	2.38E-01	4.28E-02	1.96E-01	0.00E+00	0.00E+00	2.66E+00	2.59E-06	2.46E-04	1.54E-03	0.00E+00	4.51E-03	2.03E-08	5.99E-10	2.93E-02	4.91E-04	1.80E-02	3.14E-03	3.42E-04	8.11E-02	1.79E+00	0.00E+00	2.39E-09	3.13E-09	3.61E-04	9.44E-06	2.39E-01	0.00E+00	1.79E+00	4.44E-09	1.79E+00	2.02E+00	2.39E-01	0.00E+00	0.00E+00	0.00E+00	1.47E-02
HMS040DR	5.25E-04	2.39E-01	4.29E-02	1.96E-01	0.00E+00	0.00E+00	2.67E+00	2.60E-06	2.47E-04	1.55E-03	0.00E+00	4.53E-03	2.04E-08	6.01E-10	2.93E-02	4.93E-04	1.80E-02	3.15E-03	3.43E-04	8.14E-02	1.79E+00	0.00E+00	2.40E-09	3.14E-09	3.62E-04	9.47E-06	2.40E-01	0.00E+00	1.79E+00	4.46E-09	1.79E+00	2.03E+00	2.40E-01	0.00E+00	0.00E+00	0.00E+00	1.47E-02
HMS041BC	4.87E-04	2.22E-01	3.98E-02	1.82E-01	0.00E+00	0.00E+00	2.48E+00	2.41E-06	2.29E-04	1.44E-03	0.00E+00	4.20E-03	1.89E-08	5.57E-10	2.72E-02	4.57E-04	1.67E-02	2.88E-03	3.18E-04	7.54E-02	1.66E+00	0.00E+00	2.22E-09	2.92E-09	3.36E-04	8.78E-06	2.23E-01	0.00E+00	1.66E+00	4.14E-09	1.66E+00	1.88E+00	2.23E-01	0.00E+00	0.00E+00	0.00E+00	1.37E-02
HMS041BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS041DC	5.57E-04	2.54E-01	4.56E-02	2.08E-01	0.00E+00	0.00E+00	2.84E+00	2.76E-06	2.62E-04	1.65E-03	0.00E+00	4.81E-03	2.16E-08	6.38E-10	3.12E-02	5.24E-04	1.91E-02	3.32E-03	3.64E-04	8.64E-02	1.90E+00	0.00E+00	2.54E-09	3.34E-09	3.84E-04	1.01E-05	2.55E-01	0.00E+00	1.90E+00	4.74E-09	1.90E+00	2.16E+00	2.55E-01	0.00E+00	0.00E+00	0.00E+00	1.57E-02
HMS041DR	6.25E-04	2.85E-01	5.11E-02	2.34E-01	0.00E+00	0.00E+00	3.19E+00	3.09E-06	2.94E-04	1.85E-03	0.00E+00	5.40E-03	2.43E-08	7.16E-10	3.50E-02	5.87E-04	2.15E-02	3.75E-03	4.09E-04	9.70E-02	2.13E+00	0.00E+00	2.85E-09	3.75E-09	4.31E-04	1.13E-05	2.86E-01	0.00E+00	2.13E+00	5.31E-09	2.13E+00	2.42E+00	2.86E-01	0.00E+00	0.00E+00	0.00E+00	1.76E-02
HMS050BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HMS050BR	5.30E-04	2.41E-01	4.33E-02	1.98E-01	0.00E+00	0.00E+00	2.70E+00	2.62E-06	2.50E-04	1.57E-03	0.00E+00	4.57E-03	2.06E-08	6.07E-10	2.96E-02	4.98E-04	1.82E-02	3.18E-03	3.47E-04	8.22E-02	1.81E+00	0.00E+00	2.42E-09	3.18E-09	3.65E-04	9.56E-06	2.42E-01	0.00E+00	1.81E+00	4.50E-09	1.81E+00	2.05E+00	2.42E-01	0.00E+00	0.00E+00	0.00E+00	1.49E-02
HMS051BC	6.54E-04	2.98E-01	5.35E-02	2.44E-01	0.00E+00	0.00E+00	3.33E+00	3.23E-06	3.08E-04	1.93E-03	0.00E+00	5.64E-03	2.54E-08	7.49E-10	3.66E-02	6.14E-04	2.25E-02	3.91E-03	4.28E-04	1.01E-01	2.23E+00	0.00E+00	2.99E-09	3.92E-09	4.51E-04	1.18E-05	2.99E-01	0.00E+00	2.23E+00	5.56E-09	2.23E+00	2.53E+00	2.99E-01	0.00E+00	0.00E+00	0.00E+00	1.84E-02
HMS051BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS063BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HMS063BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HMS063DC	6.29E-04	2.87E-01	5.14E-02	2.35E-01	0.00E+00	0.00E+00	3.20E+00	3.11E-06	2.96E-04	1.86E-03	0.00E+00	5.43E-03	2.44E-08	7.20E-10	3.52E-02	5.91E-04	2.16E-02	3.79E-03	4.12E-04	9.76E-02	2.15E+00	0.00E+00	2.87E-09	3.77E-09	4.34E-04	1.14E-05	2.88E-01	0.00E+00	2.15E+00	5.35E-09	2.15E+00	2.43E+00	2.88E-01	0.00E+00	0.00E+00	0.00E+00	1.77E-02
HMS063DR	5.26E-04	2.40E-01	4.30E-02	1.97E-01	0.00E+00	0.00E+00	2.68E+00	2.60E-06	2.48E-04	1.55E-03	0.00E+00	4.54E-03	2.04E-08	6.03E-10	2.94E-02	4.94E-04	1.81E-02	3.16E-03	3.44E-04	8.16E-02	1.80E+00	0.00E+00	2.40E-09	3.15E-09	3.63E-04	9.50E-06	2.41E-01	0.00E+00	1.80E+00	4.47E-09	1.80E+00	2.04E+00	2.41E-01	0.00E+00	0.00E+00	0.00E+00	1.48E-02
HMS064BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMS064BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS064DC	7.84E-04	3.58E-01	6.41E-02	2.93E-01	0.00E+00	0.00E+00	4.00E+00	3.88E-06	3.69E-04	2.32E-03	0.00E+00	6.77E-03	3.05E-08	8.98E-10	4.39E-02	7.37E-04	2.70E-02	4.72E-03	5.13E-04	1.22E-01	2.68E+00	0.00E+00	3.58E-09	4.70E-09	5.41E-04	1.42E-05	3.59E-01	0.00E+00	2.68E+00	6.67E-09	2.68E+00	3.04E+00	3.59E-01	0.00E+00	0.00E+00	0.00E+00	2.20E-02
HMS064DR	6.40E-04	2.91E-01	5.23E-02	2.39E-01	0.00E+00	0.00E+00	3.26E+00	3.16E-06	3.01E-04	1.89E-03	0.00E+00	5.52E-03	2.48E-08	7.32E-10	3.58E-02	6.01E-04	2.20E-02	3.83E-03	4.18E-04	9.92E-02	2.18E+00	0.00E+00	2.92E-09	3.83E-09	4.41E-04	1.15E-05	2.93E-01	0.00E+00	2.18E+00	5.44E-09	2.18E+00	2.48E+00	2.93E-01	0.00E+00	0.00E+00	0.00E+00	1.80E-02
HMS080BC	6.03E-04	2.75E-01	4.93E-02	2.25E-01	0.00E+00	0.00E+00	3.07E+00	2.98E-06	2.84E-04	1.78E-03	0.00E+00	5.20E-03	2.34E-08	6.90E-10	3.37E-02	5.66E-04	2.07E-02	3.63E-03	3.95E-04	9.35E-02	2.06E+00	0.00E+00	2.75E-09	3.61E-09	4.16E-04	1.09E-05	2.76E-01	0.00E+00	2.06E+00	5.12E-09	2.06E+00	2.33E+00	2.76E-01	0.00E+00	0.00E+00	0.00E+00	1.69E-02
HMS080BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HMS080DC	6.32E-04	2.88E-01	5.17E-02	2.36E-01	0.00E+00	0.00E+00	3.22E+00	3.13E-06	2.98E-04	1.87E-03	0.00E+00	5.46E-03	2.46E-08	7.24E-10	3.54E-02	5.94E-04	2.17E-02	3.81E-03	4.14E-04	9.81E-02	2.16E+00	0.00E+00	2.89E-09	3.79E-09	4.36E-04	1.14E-05	2.89E-01	0.00E+00	2.16E+00	5.37E-09	2.16E+00	2.45E+00	2.89E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HMS080DR	5.27E-04	2.40E-01	4.31E-02	1.97E-01	0.00E+00	0.00E+00	2.68E+00	2.61E-06	2.48E-04	1.56E-03	0.00E+00	4.55E-03	2.05E-08	6.03E-10	2.95E-02	4.95E-04	1.81E-02	3.16E-03	3.45E-04	8.17E-02	1.80E+00	0.00E+00	2.41E-09	3.16E-09	3.63E-04	9.51E-06	2.41E-01	0.00E+00	1.80E+00	4.48E-09	1.80E+00	2.04E+00	2.41E-01	0.00E+00	0.00E+00	0.00E+00	1.48E-02
HMS081BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMS081BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS081DC	6.61E-04	3.01E-01	5.41E-02	2.47E-01	0.00E+00	0.00E+00	3.37E+00	3.27E-06	3.11E-04	1.95E-03	0.00E+00	5.71E-03	2.57E-08	7.57E-10	3.70E-02	6.21E-04	2.27E-02	3.96E-03	4.33E-04	1.03E-01	2.26E+00	0.00E+00	3.02E-09	3.96E-09	4.56E-04	1.19E-05	3.02E-01	0.00E+00	2.26E+00	5.62E-09	2.26E+00	2.56E+00	3.02E-01	0.00E+00	0.00E+00	0.00E+00	1.86E-02
HMS081DR	6.45E-04	2.94E-01	5.27E-02	2.41E-01	0.00E+00	0.00E+00	3.29E+00	3.19E-06	3.04E-04	1.90E-03	0.00E+00	5.57E-03	2.50E-08	7.38E-10	3.61E-02	6.06E-04	2.22E-02	3.86E-03	4.22E-04	1.00E-01	2.20E+00	0.00E+00	2.94E-09	3.87E-09	4.45E-04	1.16E-05	2.95E-01	0.00E+00	2.20E+00	5.48E-09	2.20E+00	2.50E+00	2.95E-01	0.00E+00	0.00E+00	0.00E+00	1.81E-02
HMS100BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HMS100BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HMS100DC	6.97E-04	3.18E-01	5.70E-02	2.61E-01	0.00E+00	0.00E+00	3.55E+00	3.45E-06	3.28E-04	2.06E-03	0.00E+00	6.01E-03	2.71E-08	7.98E-10	3.90E-02	6.54E-04	2.40E-02	4.21E-03	4.56E-04	1.08E-01	2.38E+00	0.00E+00	3.18E-09	4.18E-09	4.80E-04	1.26E-05	3.19E-01	0.00E+00	2.38E+00	5.92E-09	2.38E+00	2.70E+00	3.19E-01	0.00E+00	0.00E+00	0.00E+00	1.96E-02
HMS100DR	5.32E-04	2.43E-01	4.35E-02	1.99E-01	0.00E+00	0.00E+00	2.71E+00	2.63E-06	2.51E-04	1.57E-03	0.00E+00	4.59E-03	2.07E-08	6.09E-10	2.98E-02	5.00E-04	1.83E-02	3.20E-03	3.48E-04	8.26E-02	1.82E+00	0.00E+00	2.43E-09	3.19E-09	3.67E-04	9.61E-06	2.43E-01	0.00E+00	1.82E+00	4.52E-09	1.82E+00	2.06E+00	2.43E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-02
HMS101BC	6.02E-04	2.74E-01	4.92E-02	2.25E-01	0.00E+00	0.00E+00	3.07E+00	2.98E-06	2.83E-04	1.78E-03	0.00E+00	5.19E-03	2.34E-08	6.89E-10	3.37E-02	5.65E-04	2.07E-02	3.59E-03	3.94E-04	9.33E-02	2.05E+00	0.00E+00	2.75E-09	3.61E-09	4.15E-04	1.09E-05	2.75E-01	0.00E+00	2.05E+00	5.11E-09	2.05E+00	2.33E+00	2.75E-01	0.00E+00	0.00E+00	0.00E+00	1.69E-02
HMS101BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS101DC	8.19E-04	3.73E-01	6.69E-02	3.06E-01	0.00E+00	0.00E+00	4.17E+00	4.05E-06	3.85E-04	2.42E-03	0.00E+00	7.06E-03	3.18E-08	9.37E-10	4.58E-02	7.69E-04	2.82E-02	4.93E-03	5.36E-04	1.27E-01	2.79E+00	0.00E+00	3.74E-09	4.91E-09	5.64E-04	1.48E-05	3.74E-01	0.00E+00	2.79E+00	6.96E-09	2.79E+00	3.17E+00	3.74E-01	0.00E+00	0.00E+00	0.00E+00	2.30E-02
HMS101DR	6.36E-04	2.90E-01	5.20E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.14E-06	2.99E-04	1.88E-03	0.00E+00	5.49E-03	2.47E-08	7.28E-10	3.55E-02	5.97E-04	2.18E-02	3.81E-03	4.16E-04	9.86E-02	2.17E+00	0.00E+00	2.90E-09	3.81E-09	4.38E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.40E-09	2.17E+00	2.46E+00	2.91E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HMS102DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMS125BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HMS125BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HMS125DC	7.45E-04	3.40E-01	6.09E-02	2.79E-01	0.00E+00	0.00E+00	3.80E+00	3.69E-06	3.51E-04	2.20E-03	0.00E+00	6.43E-03	2.89E-08	8.53E-10	4.17E-02	7.00E-04	2.57E-02	4.51E-03	4.88E-04	1.16E-01	2.54E+00	0.00E+00	3.40E-09	4.47E-09	5.14E-04	1.35E-05	3.41E-01	0.00E+00	2.54E+00	6.34E-09	2.54E+00	2.89E+00	3.41E-01	0.00E+00	0.00E+00	0.00E+00	2.09E-02
HMS125DR	5.24E-04	2.39E-01	4.28E-02	1.96E-01	0.00E+00	0.00E+00	2.67E+00	2.59E-06	2.47E-04	1.55E-03	0.00E+00	4.52E-03	2.03E-08	6.00E-10	2.93E-02	4.92E-04	1.80E-02	3.14E-03	3.43E-04	8.12E-02	1.79E+00	0.00E+00	2.39E-09	3.14E-09	3.61E-04	9.45E-06	2.39E-01	0.00E+00	1.79E+00	4.45E-09	1.79E+00	2.03E+00	2.39E-01	0.00E+00	0.00E+00	0.00E+00	1.47E-02
HMS126BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02

HMS126BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS126DC	8.02E-04	3.66E-01	6.56E-02	3.00E-01	0.00E+00	0.00E+00	4.09E+00	3.97E-06	3.78E-04	2.37E-03	0.00E+00	6.92E-03	3.12E-08	9.19E-10	4.49E-02	7.53E-04	2.76E-02	4.83E-03	5.25E-04	1.24E-01	2.74E+00	0.00E+00	3.66E-09	4.81E-09	5.53E-04	1.45E-05	3.67E-01	0.00E+00	2.74E+00	6.82E-09	2.74E+00	3.11E+00	3.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-02
HMS126DR	6.28E-04	2.86E-01	5.13E-02	2.35E-01	0.00E+00	0.00E+00	3.20E+00	3.11E-06	2.96E-04	1.85E-03	0.00E+00	5.42E-03	2.44E-08	7.19E-10	3.51E-02	5.90E-04	2.16E-02	3.76E-03	4.11E-04	9.74E-02	2.14E+00	0.00E+00	2.87E-09	3.76E-09	4.33E-04	1.13E-05	2.87E-01	0.00E+00	2.14E+00	5.33E-09	2.14E+00	2.43E+00	2.87E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-02
HMS127DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMS160BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HMS160BR	5.31E-04	2.42E-01	4.34E-02	1.98E-01	0.00E+00	0.00E+00	2.70E+00	2.62E-06	2.50E-04	1.57E-03	0.00E+00	4.58E-03	2.06E-08	6.08E-10	2.97E-02	4.98E-04	1.82E-02	3.18E-03	3.47E-04	8.23E-02	1.81E+00	0.00E+00	2.42E-09	3.18E-09	3.66E-04	9.58E-06	2.43E-01	0.00E+00	1.81E+00	4.51E-09	1.81E+00	2.05E+00	2.43E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-02
HMS160DC	7.00E-04	3.19E-01	5.72E-02	2.62E-01	0.00E+00	0.00E+00	3.57E+00	3.46E-06	3.30E-04	2.07E-03	0.00E+00	6.04E-03	2.72E-08	8.02E-10	3.92E-02	6.57E-04	2.41E-02	4.28E-03	4.59E-04	1.09E-01	2.39E+00	0.00E+00	3.20E-09	4.20E-09	4.83E-04	1.26E-05	3.20E-01	0.00E+00	2.39E+00	5.95E-09	2.39E+00	2.71E+00	3.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-02
HMS160DR	5.25E-04	2.39E-01	4.29E-02	1.96E-01	0.00E+00	0.00E+00	2.67E+00	2.60E-06	2.47E-04	1.55E-03	0.00E+00	4.53E-03	2.04E-08	6.01E-10	2.93E-02	4.93E-04	1.80E-02	3.15E-03	3.43E-04	8.14E-02	1.79E+00	0.00E+00	2.40E-09	3.14E-09	3.62E-04	9.47E-06	2.40E-01	0.00E+00	1.79E+00	4.46E-09	1.79E+00	2.03E+00	2.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-02
HMS161BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMS161BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS161DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMS161DR	6.27E-04	2.86E-01	5.13E-02	2.35E-01	0.00E+00	0.00E+00	3.20E+00	3.10E-06	2.95E-04	1.85E-03	0.00E+00	5.41E-03	2.44E-08	7.18E-10	3.51E-02	5.89E-04	2.16E-02	3.75E-03	4.10E-04	9.73E-02	2.14E+00	0.00E+00	2.86E-09	3.76E-09	4.33E-04	1.13E-05	2.87E-01	0.00E+00	2.14E+00	5.33E-09	2.14E+00	2.43E+00	2.87E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-02
HMS162DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMT050DR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HMT051DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HMT063DR	1.01E-03	4.62E-01	8.29E-02	3.79E-01	0.00E+00	0.00E+00	5.17E+00	5.02E-06	4.78E-04	3.00E-03	0.00E+00	8.75E-03	3.94E-08	1.16E-09	5.67E-02	9.52E-04	3.49E-02	6.14E-03	6.64E-04	1.57E-01	3.46E+00	0.00E+00	4.63E-09	6.08E-09	6.99E-04	1.83E-05	4.64E-01	0.00E+00	3.46E+00	8.62E-09	3.46E+00	3.93E+00	4.64E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-02
HMT064DR	1.12E-03	5.12E-01	9.19E-02	4.20E-01	0.00E+00	0.00E+00	5.73E+00	5.56E-06	5.29E-04	3.32E-03	0.00E+00	9.70E-03	4.37E-08	1.29E-09	6.29E-02	1.06E-03	3.87E-02	6.78E-03	7.36E-04	1.74E-01	3.84E+00	0.00E+00	5.13E-09	6.74E-09	7.75E-04	2.03E-05	5.14E-01	0.00E+00	3.84E+00	9.55E-09	3.84E+00	4.35E+00	5.14E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-02
HMT100BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HMT100DR	6.53E-04	2.98E-01	5.34E-02	2.44E-01	0.00E+00	0.00E+00	3.33E+00	3.23E-06	3.08E-04	1.93E-03	0.00E+00	5.64E-03	2.54E-08	7.48E-10	3.65E-02	6.14E-04	2.24E-02	3.90E-03	4.27E-04	1.01E-01	2.23E+00	0.00E+00	2.98E-09	3.92E-09	4.50E-04	1.18E-05	2.99E-01	0.00E+00	2.23E+00	5.55E-09	2.23E+00	2.53E+00	2.99E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-02
HMT101BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HMT101DR	1.16E-03	5.27E-01	9.45E-02	4.32E-01	0.00E+00	0.00E+00	5.89E+00	5.72E-06	5.45E-04	3.42E-03	0.00E+00	9.98E-03	4.49E-08	1.32E-09	6.47E-02	1.09E-03	3.98E-02	6.98E-03	7.57E-04	1.79E-01	3.95E+00	0.00E+00	5.28E-09	6.93E-09	7.97E-04	2.09E-05	5.29E-01	0.00E+00	3.95E+00	9.83E-09	3.95E+00	4.48E+00	5.29E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-02
HMT102DR	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HMT125BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HMT125DR	6.09E-04	2.78E-01	4.98E-02	2.28E-01	0.00E+00	0.00E+00	3.10E+00	3.01E-06	2.87E-04	1.80E-03	0.00E+00	5.26E-03	2.37E-08	6.98E-10	3.41E-02	5.72E-04	2.09E-02	3.63E-03	3.99E-04	9.45E-02	2.08E+00	0.00E+00	2.78E-09	3.65E-09	4.20E-04	1.10E-05	2.79E-01	0.00E+00	2.08E+00	5.18E-09	2.08E+00	2.36E+00	2.79E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-02
HMT126BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HMT126DR	1.17E-03	5.35E-01	9.59E-02	4.39E-01	0.00E+00	0.00E+00	5.98E+00	5.81E-06	5.53E-04	3.47E-03	0.00E+00	1.01E-02	4.56E-08	1.34E-09	6.57E-02	1.10E-03	4.04E-02	7.08E-03	7.68E-04	1.82E-01	4.01E+00	0.00E+00	5.36E-09	7.03E-09	8.09E-04	2.12E-05	5.37E-01	0.00E+00	4.01E+00	9.97E-09	4.01E+00	4.54E+00	5.37E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-02
HMT127DR	1.40E-03	6.38E-01	1.14E-01	5.24E-01	0.00E+00	0.00E+00	7.13E+00	6.93E-06	6.59E-04	4.14E-03	0.00E+00	1.21E-02	5.44E-08	1.60E-09	7.84E-02	1.31E-03	4.82E-02	8.48E-03	9.17E-04	2.17E-01	4.78E+00	0.00E+00	6.39E-09	8.39E-09	9.65E-04	2.53E-05	6.40E-01	0.00E+00	4.78E+00	1.19E-08	4.78E+00	5.42E+00	6.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-02
HMT160BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HMT160DR	1.04E-03	4.73E-01	8.48E-02	3.88E-01	0.00E+00	0.00E+00	5.29E+00	5.13E-06	4.89E-04	3.07E-03	0.00E+00	8.96E-03	4.03E-08	1.19E-09	5.81E-02	9.75E-04	3.57E-02	6.28E-03	6.79E-04	1.61E-01	3.54E+00	0.00E+00	4.74E-09	6.22E-09	7.15E-04	1.87E-05	4.75E-01	0.00E+00	3.54E+00	8.82E-09	3.54E+00	4.02E+00	4.75E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-02
HMT161BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HMT161DR	1.18E-03	5.38E-01	9.65E-02	4.42E-01	0.00E+00	0.00E+00	6.02E+00	5.84E-06	5.56E-04	3.49E-03	0.00E+00	1.02E-02	4.59E-08	1.35E-09	6.61E-02	1.11E-03	4.06E-02	7.13E-03	7.73E-04	1.83E-01	4.03E+00	0.00E+00	5.39E-09	7.08E-09	8.14E-04	2.13E-05	5.40E-01	0.00E+00	4.03E+00	1.00E-08	4.03E+00	4.57E+00	5.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-02
HMT162DR	1.40E-03	6.37E-01	1.14E-01	5.23E-01	0.00E+00	0.00E+00	7.12E+00	6.91E-06	6.58E-04	4.13E-03	0.00E+00	1.21E-02	5.43E-08	1.60E-09	7.82E-02	1.31E-03	4.81E-02	8.47E-03	9.15E-04	2.17E-01	4.77E+00	0.00E+00	6.38E-09	8.38E-09	9.63E-04	2.52E-05	6.39E-01	0.00E+00	4.77E+00	1.19E-08	4.77E+00	5.41E+00	6.39E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-02
HMT200BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HMT200DR	6.19E-04	2.82E-01	5.06E-02	2.31E-01	0.00E+00	0.00E+00	3.15E+00	3.06E-06	2.91E-04	1.83E-03	0.00E+00	5.34E-03	2.40E-08	7.08E-10	3.46E-02	5.81E-04	2.12E-02	3.68E-03	4.05E-04	9.59E-02	2.11E+00	0.00E+00	2.83E-09	3.71E-09	4.27E-04	1.12E-05	2.83E-01	0.00E+00	2.11E+00	5.26E-09	2.11E+00	2.40E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-02
HMT201BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HMT201DR	1.16E-03	5.29E-01	9.49E-02	4.34E-01	0.00E+00	0.00E+00	5.92E+00	5.74E-06	5.47E-04	3.43E-03	0.00E+00	1.00E-02	4.51E-08	1.33E-09	6.50E-02	1.09E-03	3.99E-02	7.01E-03	7.60E-04	1.80E-01	3.96E+00	0.00E+00	5.30E-09	6.96E-09	8.00E-04	2.10E-05	5.31E-01	0.00E+00	3.96E+00	9.87E-09	3.96E+00	4.50E+00	5.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-02
HMT202DR	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HMT250BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HMT250DR	8.86E-04	3.99E-01	7.31E-02	3.26E-01	0.00E+00	0.00E+00	4.55E+00	4.38E-06	4.20E-04	2.62E-03	0.00E+00	7.70E-03	3.47E-08	1.02E-09	4.87E-02	8.40E-04	2.87E-02	3.06E-03	5.69E-04	1.35E-01	3.03E+00	0.00E+00	4.06E-09	5.30E-09	6.13E-04	1.59E-05	4.05E-01	0.00E+00	3.03E+00	7.48E-09	3.03E+00	3.43E+00	4.05E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-02
HMT251BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HMT251DR	1.17E-03	5.33E-01	9.55E-02	4.37E-01	0.00E+00	0.00E+00	5.95E+00	5.78E-06	5.50E-04	3.45E-03	0.00E+00	1.01E-02	4.54E-08	1.34E-09	6.54E-02	1.10E-03	4.02E-02	7.05E-03	7.65E-04	1.81E-01	3.99E+00	0.00E+00	5.34E-09	7.00E-09	8.06E-04	2.11E-05	5.34E-01	0.00E+00	3.99E+00	9.93E-09	3.99E+00	4.52E+00	5.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-02
HMT252DR	1.44E-03	6.55E-01	1.17E-01	5.37E-01	0.00E+00	0.00E+00	7.31E+00	7.10E-06	6.76E-04	4.24E-03	0.00E+00	1.24E-02	5.58E-08	1.64E-09	8.04E-02	1.35E-03	4.94E-02	8.70E-03	9.40E-04	2.23E-01	4.90E+00	0.00E+00	6.56E-09	8.61E-09	9.90E-04	2.59E-05	6.57E-01	0.00E+00	4.90E+00	1.22E-08	4.90E+00	5.56E+00	6.57E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-02
HMW250DR	1.69E-03	7.72E-01	1.39E-01	6.33E-01	0.00E+00	0.00E+00	8.63E+00	8.38E-06	7.98E-04	5.00E-03	0.00E+00	1.46E-02	6.58E-08	1.94E-09	9.47E-02	1.59E-03	5.81E-02	1.00E-02	1.11E-03	2.63E-01	5.78E+00	0.00E+00	7.74E-09	1.02E-08	1.17E-03	3.06E-05	7.75E-01	0.00E+00	5.78E+00	1.44E-08	5.78E+00	6.56E+00	7.75E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-02
HMW251DR	1.92E-03	8.73E-01	1.57E-01	7.17E-01	0.00E+00	0.00E+00	9.77E+00	9.48E-06	9.03E-04	5.66E-03	0.00E+00	1.66E-02	7.45E-08	2.20E-09	1.07E-01	1.80E-03	6.57E-02	1.13E-02	1.25E-03	2.97E-01	6.55E+00	0.00E+00	8.76E-09	1.15E-08	1.32E-03	3.46E-05	8.77E-01	0.00E+00	6.55E+00	1.63E-08	6.55E+00	7.42E+00	8.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-02
HMW320BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HMW320DR	1.78E-03	8.12E-01	1.46E-01	6.67E-01	0.00E+00	0.00E+00	9.09E+00	8.82E-06	8.40E-04	5.27E-03	0.00E+00	1.54E-02	6.93E-08	2.04E-09	9.97E-02	1.68E-03	6.12E-02	1.06E-02	1.17E-03	2.76E-01	6.09E+00	0.00E+00	8.14E-09	1.07E-08	1.23E-03	3.22E-05	8.16E-01	0.00E+00	6.09E+00	1.52E-08	6.09E+00	6.90E+00	8.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-02
HMW321BR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HMW321DR	2.04E-03	9.28E-01	1.67E-01	7.61E-01	0.00E+00	0.00E+00	1.04E+01	1.01E-05	9.59E-04	6.01E-03	0.00E+00	1.76E-02	7.91E-08	2.33E-09	1.14E-01	1.91E-03	6.98E-02	1.20E-02	1.33E-03	3.16E-01	6.95E+00	0.00E+00	9.30E-09	1.22E-08	1.40E-03	3.67E-05	9.31E-01	0.00E+00	6.95E+00	1.73E-08	6.95E+00	7.88E+00	9.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-02
HMW400DR	1.80E-03	8.19E-01	1.47E-01	6.72E-01	0.00E+00	0.00E+00	9.16E+00	8.89E-06	8.47E-04	5.31E-03	0.00E+00	1.55E-02	6.98E-08	2.06E-09	1.01E-01	1.69E-03	6.17E-02	1.07E-02	1.18E-03	2.79E-01	6.14E+00	0.00E+00	8.21E-09	1.08E-08	1.24E-03	3.24E-05	8.22E-01	0.00E+00	6.14E+00	1.53E-08	6.14E+00	6.96E+00	8.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-02
HMW401DR	2.08E-03	9.48E-01	1.70E-01	7.78E-01	0.00E+00	0.00E+00	1.06E+01	1.03E-05	9.80E-04	6.15E-03	0.00E+00	1.80E-02	8.08E-08	2.38E-09	1.16E-01	1.96E-03	7.14E-02	1.23E-02	1.36E-03	3.22E-01	7.10E+00	0.00E+00	9.50E-09	1.25E-08	1.43E-03	3.75E-05	9.52E-01	0.00E+00	7.10E+00	1.77E-08	7.10E+00	8.06E+00	9.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-02
HMW500BR	2.21E-03	1.01E+00	1.81E-01	8.28E-01	0.00E+00	0.00E+00	1.13E+01	1.10E-05	1.04E-03	6.54E-03	0.00E+00	1.91E-02	8.60E-08	2.54E-09	1.24E-01	2.08E-03	7.61E-02	1.33E-02	1.45E-03	3.43E-01	7.56E+00	0.00E+00	1.01E-08	1.33E-08	1.53E-03	4.00E-05	1.01E+00	0.00E+00	7.56E+00	1.88E-08	7.56E+00	8.57E+00	1.01E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-02
HMW501BR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HNA016M	3.20E-04	1.46E-01	2.62E-02	1.20E-01	0.00E+00	0.00E+00	1.63E+00	1.58E-06	1.51E-04	9.46E-04	0.00E+00	2.77E-03	1.24E-08	3.67E-10	1.79E-02	3.01E-04	1.10E-02	1.90E-03	2.09E-04	4.97E-02	1.09E+00	0.00E+00	1.46E-09	1.92E-09	2.21E-04	5.78E-06	1.47E-01	0.00E+00	1.09E+00	2.72E-09	1.09E+00	1.24E+00	1.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-03
HNA016Z	3.67E-04	1.67E-01	3.00E-02	1.37E-01	0.00E+00	0.00E+00	1.87E+00	1.82E-06	1.73E-04	1.08E-03	0.00E+00	3.17E-03	1.43E-08	4.20E-10	2.05E-02	3.45E-04	1.26E-02	2.19E-03	2.40E-04	5.69E-02	1.25E+00	0.00E+00	1.68E-09	2.20E-09	2.53E-04	6.63E-06	1.68E-01	0.00E+00	1.25E+00	3.12E-09	1.25E+00	1.42E+00	1.68E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02
HNA017M	3.96E-04	1.81E-01	3.24E-02	1.48E-01	0.00E+00	0.00E+00	2.02E+00	1.96E-06	1.87E-04	1.17E-03	0.00E+00	3.42E-03	1.54E-08	4.54E-10	2.22E-02	3.72E-04	1.36E-02	2.34E-03	2.59E-04	6.14E-02	1.35E+00	0.00E+00	1.81E-09	2.38E-09	2.73E-04	7.15E-06	1.81E-01	0.00E+00	1.35E+00	3.37E-09	1.35E+00	1.53E+00	1.81E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-02
HNA017Z	5.39E-04	2.46E-01	4.41E-02	2.02E-01	0.00E+00	0.00E+00	2.75E+00	2.67E-06	2.54E-04	1.59E-03	0.00E+00	4.65E-03	2.09E-08	6.18E-10	3.02E-02	5.07E-04	1.85E-02	3.23E-03	3.53E-04	8.36E-02	1.84E+00	0.00E+00	2.46E-09	3.23E-09	3.72E-04	9.73E-06	2.47E-01	0.00E+00	1.84E+00	4.58E-09	1.84E+00	2.09E+00	2.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-02
HNA020M	8.02E-05	3.64E-02	6.58E-03	2.98E-02	0.00E+00	0.00E+00	4.10E-01	3.96E-07	3.78E-05	2.37E-04	0.00E+00	6.94E-04	3.12E-09	9.20E-11	4.46E-03	7.56E-05	2.70E-03	4.08E-04	5.21E-05	1.23E-02	2.74E-01	0.00E+00	3.67E-10	4.80E-10	5.53E-05	1.44E-06	3.66E-02	0.00E+00	2.74E-01	6.80E-10	2.74E-01	3.10E-01	3.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03
HNA020Z	3.94E-04	1.79E-01	3.22E-02	1.47E-01	0.00E+00	0.00E+00	2.01E+00	1.95E-06	1.85E-04	1.16E-03	0.00E+00	3.40E-03	1.53E-08	4.51E-10	2.20E-02	3.70E-04	1.35E-02	2.35E-03	2.57E-04	6.10E-02	1.34E+00	0.00E+00	1.80E-09	2.36E-09	2.71E-04	7.10E-06	1.80E-01	0.00E+00	1.34E+00	3.34E-09	1.34E+00	1.52E+00	1.80E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-02
HNA021M	4.53E-04	2.06E-01	3.70E-02	1.69E-01	0.00E+00	0.00E+00	2.31E+00	2.24E-06	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.76E-08	5.18E-10	2.53E-02	4.25E-04	1.55E-02	2.69E-03	2.96E-04	7.02E-02	1.55E+00	0.00E+00	2.07E-09	2.71E-09	3.12E-04	8.17E-06	2.07E-01	0.00E+00	1.55E+00	3.85E-09	1.55E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HNA021Z	6.36E-04	2.90E-01	5.20E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.15E-06	2.99E-04	1.88E-03	0.00E+00	5.49E-03	2.47E-08	7.28E-10	3.56E-02	5.97E-04	2.19E-02	3.83E-03	4.16E-04	9.86E-02	2.17E+00	0.00E+00	2.90E-09	3.81E-09	4.38E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.40E-09	2.17E+00	2.46E+00	2.91E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HNA025H	3.71E-04	1.69E-01	3.04E-02	1.39E-01	0.00E+00	0.00E+00	1.89E+00	1.84E-06	1.75E-04	1.10E-03	0.00E+00	3.20E-03	1.44E-08	4.25E-10	2.08E-02	3.49E-04	1.27E-02	2.21E-03	2.43E-04	5.75E-02	1.27E+00	0.00E+00	1.69E-09	2.22E-09	2.56E-04	6.70E-06	1.70E-01	0.00E+00	1.27E+00	3.15E-09	1.27E+00	1.44E+00	1.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-02
HNA025M	3.35E-04	1.53E-01	2.74E-02	1.25E-01	0.00E+00	0.00E+00	1.71E+00	1.66E-06	1.58E-04	9.90E-04	0.00E+00	2.89E-03	1.30E-08	3.84E-10	1.87E-02	3.15E-04	1.15E-02	1.99E-03	2.19E-04	5.20E-02	1.14E+00	0.00E+00	1.53E-09	2.01E-09	2.31E-04	6.05E-06	1.53E-01	0.00E+00	1.14E+00	2.85E-09	1.14E+00	1.30E+00	1.53E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-03
HNA025U	4.19E-04	1.91E-01	3.42E-02	1.57E-01	0.00E+00	0.00E+00	2.13E+00	2.07E-06	1.97E-04	1.24E-03	0.00E+00	3.61E-03	1.63E-08	4.79E-10	2.34E-02	3.93E-04	1.44E-02	2.51E-03	2.74E-04	6.49E-02	1.43E+00	0.00E+00	1.91E-09	2.51E-09	2.89E-04	7.56E-06	1.91E-01	0.00E+00	1.43E+00	3.56E-09	1.43E+00	1.62E+00	1.91E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-02
HNA025Z	4.43E-04	2.02E-01	3.62E-02	1.66E-01	0.00E+00	0.00E+00	2.26E+00	2.19E-06	2.09E-04	1.31E-03	0.00E+00	3.82E-03	1.72E-08	5.07E-10	2.48E-02	4.16E-04	1.52E-02	2.66E-03	2.90E-04	6.87E-02	1.51E+00	0.00E+00	2.02E-09	2.66E-09	3.05E-04	8.00E-06	2.03E-01	0.00E+00	1.51E+00	3.77E-09	1.51E+00	1.72E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-02
HNA026H	4.09E-04	1.86E-01	3.34E-02	1.53E-01	0.00E+00	0.00E+00	2.08E+00	2.02E-06	1.93E-04	1.21E-03	0.00E+00	3.53E-03	1.59E-08	4.68E-10	2.28E-02	3.84E-04	1.40E-02	2.42E-03	2.67E-04	6.33E-02	1.40E+00	0.00E+00	1.87E-09	2.45E-09	2.82E-04	7.37E-06	1.87E-01	0.00E+00	1.40E+00	3.47E-09	1.40E+00	1.58E+00	1.87E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-02
HNA026M	4.29E-04	1.95E-01	3.50E-02	1.60E-01	0.00E+00	0.00E+00	2.18E+00	2.12E-06	2.02E-04	1.27E-03	0.00E+00	3.70E-03	1.66E-08	4.91E-10	2.40E-02	4.03E-04	1.47E-02	2.54E-03	2.80E-04	6.64E-02	1.46E+00	0.00E+00	1.96E-09	2.57E-09	2.95E-04	7.73E-06	1.96E-01	0.00E+00	1.46E+00	3.64E-09	1.46E+00	1.66E+00	1.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-02
HNA026U	6.54E-04	2.98E-01	5.35E-02	2.45E-01	0.00E+00	0.00E+00	3.33E+00	3.24E-06	3.08E-04	1.93E-03	0.00E+00	5.65E-03	2.54E-08	7.49E-10	3.66E-02	6.14E-04	2.25E-02	3.94E-03	4.28E-04	1.01E-01	2.23E+00	0.00E+00	2.99E-09	3.92E-09	4.51E-04	1.18E-05	2.99E-01	0.00E+00	2.23E+00	5.56E-09	2.23E+00	2.53E+00	2.99E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-02
HNA026Z	6.07E-04	2.76E-01	4.96E-02	2.27E-01	0.00E+00	0.00E+00	3.09E+00	3.00E-06	2.86E-04	1.79E-03	0.00E+00	5.24E-03	2.36E-08	6.95E-10	3.39E-02	5.70E-04	2.09E-02	3.65E-03	3.97E-04	9.41E-02	2.07E+00	0.00E+00	2.77E-09	3.64E-09	4.18E-04	1.09E-05	2.77E-01	0.00E+00	2.07E+00	5.16E-09	2.07E+00	2.35E+00	2.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02
HNA032M	2.56E-04	1.17E-01	2.10E-02	9.58E-02	0.00E+00	0.00E+00	1.31E+00	1.27E-06	1.21E-04	7.57E-04	0.00E+00	2.21E-03	9.96E-09	2.94E-10	1.43E-02	2.41E-04	8.78E-03	1.50E-03	1.68E-04	3.97E-02	8.75E-01	0.00E+00	1.17E-09	1.54E-09	1.77E-04	4.62E-06	1.17E-01	0.00E+00	8.75E-01	2.18E-09	8.75E-01	9.92E-01	1.17E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-03
HNA032Z	4.49E-04	2.04E-01	3.67E-02	1.68E-01	0.00E+00	0.00E+00	2.29E+00	2.22E-06	2.11E-04	1.33E-03	0.00E+00	3.87E-03	1.74E-08	5.14E-10	2.51E-02	4.21E-04	1.54E-02	2.70E-03	2.94E-04	6.96E-02	1.53E+00	0.00E+00	2.05E-09	2.69E-09	3.09E-04	8.10E-06	2.05E-01	0.00E+00	1.53E+00	3.81E-09	1.53E+00	1.74E+00	2.05E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-02
HNA033M	4.24E-04	1.93E-01	3.46E-02	1.58E-01	0.00E+00	0.00E+00	2.16E+00	2.10E-06	2.00E-04	1.25E-03	0.00E+00	3.66E-03	1.65E-08	4.85E-10	2.37E-02	3.98E-04	1.45E-02	2.51E-03	2.77E-04	6.57E-02	1.45E+00	0.00E+00	1.93E-09	2.54E-09	2.92E-04	7.64E-06	1.94E-01	0.00E+00	1.45E+00	3.60E-09	1.45E+00	1.64E+00	1.94E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-02
HNA033Z	4.58E-04	2.09E-01	3.74E-02	1.71E-01	0.00E+00	0.00E+00	2.33E+00	2.26E-06	2.16E-04	1.35E-03	0.00E+00	3.95E-03	1.78E-08	5.24E-10	2.56E-02	4.30E-04	1.57E-02	2.73E-03	2.99E-04	7.10E-02	1.56E+00	0.00E+00	2.09E-09	2.74E-09	3.16E-04	8.26E-06	2.09E-01	0.00E+00	1.56E+00	3.89E-09	1.56E+00	1.77E+00	2.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HNA040H	3.40E-04	1.55E-01	2.78E-02	1.27E-01	0.00E+00	0.00E+00	1.73E+00	1.68E-06	1.60E-04	1.00E-03	0.00E+00	2.94E-03	1.32E-08	3.90E-10	1.90E-02	3.20E-04	1.17E-02	2.02E-03	2.22E-04	5.27E-02	1.16E+00	0.00E+00	1.55E-09	2.04E-09	2.34E-04	6.14E-06	1.56E-01	0.00E+00	1.16E+00	2.89E-09	1.16E+00	1.32E+00	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-03
HNA040M	3.41E-04	1.56E-01	2.79E-02	1.28E-01	0.00E+00	0.00E+00	1.74E+00	1.69E-06	1.61E-04	1.01E-03	0.00E+00	2.95E-03	1.33E-08	3.91E-10	1.91E-02	3.21E-04	1.17E-02	2.03E-03	2.23E-04	5.29E-02	1.17E+00	0.00E+00	1.56E-09	2.05E-09	2.35E-04	6.16E-06	1.56E-01	0.00E+00	1.17E+00	2.90E-09	1.17E+00	1.32E+00	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.59E-03
HNA040U	4.56E-04	2.08E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.15E-04	1.35E-03	0.00E+00	3.93E-03	1.77E-08	5.22E-10	2.55E-02	4.28E-04	1.57E-02	2.74E-03	2.98E-04	7.07E-02	1.56E+00	0.00E+00	2.08E-09	2.73E-09	3.14E-04	8.22E-06	2.08E-01	0.00E+00	1.56E+00	3.87E-09	1.56E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HNA040Z	4.55E-04	2.07E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.14E-04	1.34E-03	0.00E+00	3.92E-03	1.77E-08	5.21E-10	2.54E-02	4.27E-04	1.56E-02	2.73E-03	2.97E-04	7.05E-02	1.55E+00	0.00E+00	2.08E-09	2.73E-09	3.13E-04	8.21E-06	2.08E-01	0.00E+00	1.55E+00	3.86E-09	1.55E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HNA041H	1.17E-03	5.34E-01	9.57E-02	4.38E-01	0.00E+00	0.00E+00	5.96E+00	5.79E-06	5.51E-04	3.46E-03	0.00E+00	1.01E-02	4.55E-08	1.34E-09	6.55E-02	1.10E-03	4.03E-02	7.15E-03	7.67E-04	1.82E-01	4.00E+00	0.00E+00	5.35E-09	7.02E-09	8.07E-04	2.11E-05	5.35E-01	0.00E+00	4.00E+00	9.95E-09	4.00E+00	4.53E+00	5.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-02
HNA041M	3.99E-04	1.82E-01	3.26E-02	1.49E-01	0.00E+00	0.00E+00	2.03E+00	1.97E-06	1.88E-04	1.18E-03	0.00E+00	3.44E-03	1.55E-08	4.57E-10	2.23E-02	3.75E-04	1.37E-02	2.36E-03	2.61E-04	6.18E-02	1.36E+00	0.00E+00	1.82E-09	2.39E-09	2.75E-04	7.20E-06	1.82E-01	0.00E+00	1.36E+00	3.39E-09	1.36E+00	1.54E+00	1.82E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-02
HNA041U	6.05E-04	2.76E-01	4.95E-02	2.26E-01	0.00E+00	0.00E+00	3.08E+00	2.99E-06	2.85E-04	1.79E-03	0.00E+00	5.22E-03	2.35E-08	6.93E-10	3.39E-02	5.68E-04	2.08E-02	3.64E-03	3.96E-04	9.39E-02	2.07E+00	0.00E+00	2.76E-09	3.63E-09	4.17E-04	1.09E-05	2.77E-01	0.00E+00	2.07E+00	5.14E-09	2.07E+00	2.34E+00	2.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02
HNA041Z	6.06E-04	2.76E-01	4.96E-02	2.27E-01	0.00E+00	0.00E+00	3.09E+00	3.00E-06	2.85E-04	1.79E-03	0.00E+00	5.23E-03	2.35E-08	6.94E-10	3.39E-02	5.69E-04	2.08E-02	3.65E-03	3.97E-04	9.40E-02	2.07E+00	0.00E+00	2.77E-09	3.63E-09	4.18E-04	1.09E-05	2.77E-01	0.00E+00	2.07E+00	5.15E-09	2.07E+00	2.35E+00	2.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-02
HNA050M	3.45E-04	1.57E-01	2.82E-02	1.29E-01	0.00E+00	0.00E+00	1.76E+00	1.71E-06	1.63E-04	1.02E-03	0.00E+00	2.98E-03	1.34E-08	3.95E-10	1.93E-02	3.24E-04	1.18E-02	2.05E-03	2.26E-04	5.35E-02	1.18E+00	0.00E+00	1.58E-09	2.07E-09	2.38E-04	6.23E-06	1.58E-01	0.00E+00	1.18E+00	2.93E-09	1.18E+00	1.34E+00	1.58E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-03
HNA050Z	4.55E-04	2.07E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.14E-04	1.34E-03	0.00E+00	3.92E-03	1.77E-08	5.21E-10	2.54E-02	4.27E-04	1.56E-02	2.73E-03	2.97E-04	7.05E-02	1.55E+00	0.00E+00	2.08E-09	2.73E-09	3.13E-04	8.21E-06	2.08E-01	0.00E+00	1.55E+00	3.86E-09	1.55E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HNA051M	4.56E-04	2.08E-01	3.73E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.15E-04	1.35E-03	0.00E+00	3.93E-03	1.77E-08	5.22E-10	2.55E-02	4.28E-04	1.56E-02	2.71E-03	2.98E-04	7.07E-02	1.56E+00	0.00E+00	2.08E-09	2.73E-09	3.14E-04	8.22E-06	2.08E-01	0.00E+00	1.56E+00	3.87E-09	1.56E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HNA051Z	5.98E-04	2.72E-01	4.89E-02	2.24E-01	0.00E+00	0.00E+00	3.05E+00	2.96E-06	2.82E-04	1.77E-03	0.00E+00	5.16E-03	2.32E-08	6.84E-10	3.34E-02	5.61E-04	2.06E-02	3.59E-03	3.91E-04	9.27E-02	2.04E+00	0.00E+00	2.73E-09	3.58E-09	4.12E-04	1.08E-05	2.73E-01	0.00E+00	2.04E+00	5.08E-09	2.04E+00	2.31E+00	2.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-02
HNA063H	3.30E-04	1.50E-01	2.70E-02	1.23E-01	0.00E+00	0.00E+00	1.68E+00	1.63E-06	1.55E-04	9.74E-04	0.00E+00	2.85E-03	1.28E-08	3.77E-10	1.84E-02	3.10E-04	1.13E-02	1.95E-03	2.16E-04	5.11E-02	1.13E+00	0.00E+00	1.51E-09	1.98E-09	2.27E-04	5.95E-06	1.51E-01	0.00E+00	1.13E+00	2.80E-09	1.13E+00	1.28E+00	1.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-03

HNA063M	3.47E-04	1.58E-01	2.84E-02	1.30E-01	0.00E+00	0.00E+00	1.77E+00	1.72E-06	1.64E-04	1.03E-03	0.00E+00	3.00E-03	1.35E-08	3.98E-10	1.94E-02	3.26E-04	1.19E-02	2.06E-03	2.27E-04	5.39E-02	1.19E+00	0.00E+00	1.59E-09	2.08E-09	2.40E-04	6.27E-06	1.59E-01	0.00E+00	1.19E+00	2.95E-09	1.19E+00	1.34E+00	1.59E-01	0.00E+00	0.00E+00	0.00E+00	9.76E-03
HNA063U	4.53E-04	2.06E-01	3.70E-02	1.69E-01	0.00E+00	0.00E+00	2.31E+00	2.24E-06	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.76E-08	5.18E-10	2.53E-02	4.25E-04	1.56E-02	2.72E-03	2.96E-04	7.02E-02	1.55E+00	0.00E+00	2.07E-09	2.71E-09	3.12E-04	8.17E-06	2.07E-01	0.00E+00	1.55E+00	3.85E-09	1.55E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HNA063Z	4.52E-04	2.06E-01	3.69E-02	1.69E-01	0.00E+00	0.00E+00	2.30E+00	2.23E-06	2.13E-04	1.33E-03	0.00E+00	3.90E-03	1.75E-08	5.17E-10	2.53E-02	4.24E-04	1.55E-02	2.71E-03	2.96E-04	7.01E-02	1.54E+00	0.00E+00	2.06E-09	2.71E-09	3.11E-04	8.15E-06	2.07E-01	0.00E+00	1.54E+00	3.84E-09	1.54E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HNA064H	4.45E-04	2.03E-01	3.64E-02	1.66E-01	0.00E+00	0.00E+00	2.27E+00	2.20E-06	2.10E-04	1.32E-03	0.00E+00	3.84E-03	1.73E-08	5.10E-10	2.49E-02	4.18E-04	1.53E-02	2.64E-03	2.91E-04	6.90E-02	1.52E+00	0.00E+00	2.03E-09	2.67E-09	3.07E-04	8.04E-06	2.04E-01	0.00E+00	1.52E+00	3.78E-09	1.52E+00	1.72E+00	2.04E-01	0.00E+00	0.00E+00	0.00E+00	1.25E-02
HNA064M	4.36E-04	1.99E-01	3.57E-02	1.63E-01	0.00E+00	0.00E+00	2.22E+00	2.16E-06	2.05E-04	1.29E-03	0.00E+00	3.76E-03	1.69E-08	4.99E-10	2.44E-02	4.10E-04	1.50E-02	2.59E-03	2.85E-04	6.76E-02	1.49E+00	0.00E+00	1.99E-09	2.61E-09	3.01E-04	7.87E-06	1.99E-01	0.00E+00	1.49E+00	3.70E-09	1.49E+00	1.69E+00	1.99E-01	0.00E+00	0.00E+00	0.00E+00	1.22E-02
HNA064U	6.33E-04	2.88E-01	5.17E-02	2.37E-01	0.00E+00	0.00E+00	3.22E+00	3.13E-06	2.98E-04	1.87E-03	0.00E+00	5.46E-03	2.46E-08	7.25E-10	3.54E-02	5.94E-04	2.18E-02	3.81E-03	4.14E-04	9.82E-02	2.16E+00	0.00E+00	2.89E-09	3.79E-09	4.36E-04	1.14E-05	2.89E-01	0.00E+00	2.16E+00	5.38E-09	2.16E+00	2.45E+00	2.89E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HNA064Z	6.67E-04	3.04E-01	5.45E-02	2.49E-01	0.00E+00	0.00E+00	3.40E+00	3.30E-06	3.14E-04	1.97E-03	0.00E+00	5.75E-03	2.59E-08	7.63E-10	3.73E-02	6.26E-04	2.29E-02	4.02E-03	4.36E-04	1.03E-01	2.28E+00	0.00E+00	3.04E-09	4.00E-09	4.59E-04	1.20E-05	3.05E-01	0.00E+00	2.28E+00	5.66E-09	2.28E+00	2.58E+00	3.05E-01	0.00E+00	0.00E+00	0.00E+00	1.87E-02
HNA080H	3.33E-04	1.52E-01	2.72E-02	1.24E-01	0.00E+00	0.00E+00	1.69E+00	1.65E-06	1.57E-04	9.82E-04	0.00E+00	2.87E-03	1.29E-08	3.81E-10	1.86E-02	3.12E-04	1.14E-02	1.97E-03	2.17E-04	5.16E-02	1.14E+00	0.00E+00	1.52E-09	1.99E-09	2.29E-04	6.00E-06	1.52E-01	0.00E+00	1.14E+00	2.83E-09	1.14E+00	1.29E+00	1.52E-01	0.00E+00	0.00E+00	0.00E+00	9.34E-03
HNA080M	3.22E-04	1.47E-01	2.63E-02	1.20E-01	0.00E+00	0.00E+00	1.64E+00	1.59E-06	1.52E-04	9.50E-04	0.00E+00	2.78E-03	1.25E-08	3.68E-10	1.80E-02	3.02E-04	1.10E-02	1.91E-03	2.10E-04	4.99E-02	1.10E+00	0.00E+00	1.47E-09	1.93E-09	2.22E-04	5.80E-06	1.47E-01	0.00E+00	1.10E+00	2.73E-09	1.10E+00	1.25E+00	1.47E-01	0.00E+00	0.00E+00	0.00E+00	9.03E-03
HNA080U	4.22E-04	1.92E-01	3.45E-02	1.58E-01	0.00E+00	0.00E+00	2.15E+00	2.09E-06	1.99E-04	1.25E-03	0.00E+00	3.64E-03	1.64E-08	4.83E-10	2.36E-02	3.96E-04	1.45E-02	2.53E-03	2.76E-04	6.54E-02	1.44E+00	0.00E+00	1.93E-09	2.53E-09	2.91E-04	7.61E-06	1.93E-01	0.00E+00	1.44E+00	3.58E-09	1.44E+00	1.63E+00	1.93E-01	0.00E+00	0.00E+00	0.00E+00	1.18E-02
HNA080Z	4.55E-04	2.07E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.14E-04	1.34E-03	0.00E+00	3.92E-03	1.77E-08	5.21E-10	2.54E-02	4.27E-04	1.56E-02	2.73E-03	2.97E-04	7.05E-02	1.55E+00	0.00E+00	2.08E-09	2.73E-09	3.13E-04	8.21E-06	2.08E-01	0.00E+00	1.55E+00	3.86E-09	1.55E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HNA081H	4.35E-04	1.98E-01	3.56E-02	1.63E-01	0.00E+00	0.00E+00	2.22E+00	2.15E-06	2.05E-04	1.29E-03	0.00E+00	3.76E-03	1.69E-08	4.99E-10	2.43E-02	4.09E-04	1.49E-02	2.58E-03	2.85E-04	6.75E-02	1.49E+00	0.00E+00	1.99E-09	2.61E-09	3.00E-04	7.86E-06	1.99E-01	0.00E+00	1.49E+00	3.70E-09	1.49E+00	1.69E+00	1.99E-01	0.00E+00	0.00E+00	0.00E+00	1.22E-02
HNA081M	4.09E-04	1.86E-01	3.35E-02	1.53E-01	0.00E+00	0.00E+00	2.09E+00	2.02E-06	1.93E-04	1.21E-03	0.00E+00	3.53E-03	1.59E-08	4.69E-10	2.29E-02	3.84E-04	1.40E-02	2.42E-03	2.68E-04	6.34E-02	1.40E+00	0.00E+00	1.87E-09	2.45E-09	2.82E-04	7.38E-06	1.87E-01	0.00E+00	1.40E+00	3.48E-09	1.40E+00	1.58E+00	1.87E-01	0.00E+00	0.00E+00	0.00E+00	1.15E-02
HNA081U	6.14E-04	2.80E-01	5.02E-02	2.29E-01	0.00E+00	0.00E+00	3.13E+00	3.04E-06	2.89E-04	1.81E-03	0.00E+00	5.30E-03	2.38E-08	7.03E-10	3.43E-02	5.76E-04	2.11E-02	3.69E-03	4.02E-04	9.52E-02	2.09E+00	0.00E+00	2.80E-09	3.68E-09	4.23E-04	1.11E-05	2.81E-01	0.00E+00	2.09E+00	5.21E-09	2.09E+00	2.38E+00	2.81E-01	0.00E+00	0.00E+00	0.00E+00	1.72E-02
HNA081Z	6.05E-04	2.76E-01	4.95E-02	2.26E-01	0.00E+00	0.00E+00	3.08E+00	2.99E-06	2.85E-04	1.79E-03	0.00E+00	5.22E-03	2.35E-08	6.93E-10	3.39E-02	5.68E-04	2.08E-02	3.64E-03	3.96E-04	9.39E-02	2.07E+00	0.00E+00	2.76E-09	3.63E-09	4.17E-04	1.09E-05	2.77E-01	0.00E+00	2.07E+00	5.14E-09	2.07E+00	2.34E+00	2.77E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-02
HNA100H	3.11E-04	1.42E-01	2.54E-02	1.16E-01	0.00E+00	0.00E+00	1.58E+00	1.54E-06	1.46E-04	9.18E-04	0.00E+00	2.68E-03	1.21E-08	3.56E-10	1.74E-02	2.92E-04	1.07E-02	1.84E-03	2.03E-04	4.82E-02	1.06E+00	0.00E+00	1.42E-09	1.86E-09	2.14E-04	5.61E-06	1.42E-01	0.00E+00	1.06E+00	2.64E-09	1.06E+00	1.20E+00	1.42E-01	0.00E+00	0.00E+00	0.00E+00	8.73E-03
HNA100M	3.58E-04	1.63E-01	2.93E-02	1.34E-01	0.00E+00	0.00E+00	1.83E+00	1.77E-06	1.69E-04	1.06E-03	0.00E+00	3.09E-03	1.39E-08	4.10E-10	2.00E-02	3.37E-04	1.23E-02	2.13E-03	2.34E-04	5.56E-02	1.22E+00	0.00E+00	1.64E-09	2.15E-09	2.47E-04	6.47E-06	1.64E-01	0.00E+00	1.22E+00	3.04E-09	1.22E+00	1.39E+00	1.64E-01	0.00E+00	0.00E+00	0.00E+00	1.01E-02
HNA100U	4.56E-04	2.08E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.15E-04	1.35E-03	0.00E+00	3.93E-03	1.77E-08	5.22E-10	2.55E-02	4.28E-04	1.57E-02	2.74E-03	2.98E-04	7.07E-02	1.56E+00	0.00E+00	2.08E-09	2.73E-09	3.14E-04	8.22E-06	2.08E-01	0.00E+00	1.56E+00	3.87E-09	1.56E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HNA100Z	4.51E-04	2.05E-01	3.68E-02	1.69E-01	0.00E+00	0.00E+00	2.30E+00	2.23E-06	2.12E-04	1.33E-03	0.00E+00	3.89E-03	1.75E-08	5.16E-10	2.52E-02	4.23E-04	1.55E-02	2.71E-03	2.95E-04	6.99E-02	1.54E+00	0.00E+00	2.06E-09	2.70E-09	3.11E-04	8.13E-06	2.06E-01	0.00E+00	1.54E+00	3.83E-09	1.54E+00	1.74E+00	2.06E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HNA101H	5.50E-04	2.51E-01	4.50E-02	2.06E-01	0.00E+00	0.00E+00	2.80E+00	2.72E-06	2.59E-04	1.62E-03	0.00E+00	4.74E-03	2.14E-08	6.29E-10	3.07E-02	5.16E-04	1.89E-02	3.29E-03	3.60E-04	8.53E-02	1.88E+00	0.00E+00	2.51E-09	3.30E-09	3.79E-04	9.92E-06	2.51E-01	0.00E+00	1.88E+00	4.67E-09	1.88E+00	2.13E+00	2.51E-01	0.00E+00	0.00E+00	0.00E+00	1.54E-02
HNA101M	4.19E-04	1.91E-01	3.42E-02	1.56E-01	0.00E+00	0.00E+00	2.13E+00	2.07E-06	1.97E-04	1.24E-03	0.00E+00	3.61E-03	1.63E-08	4.79E-10	2.34E-02	3.93E-04	1.44E-02	2.48E-03	2.74E-04	6.49E-02	1.43E+00	0.00E+00	1.91E-09	2.51E-09	2.89E-04	7.55E-06	1.91E-01	0.00E+00	1.43E+00	3.56E-09	1.43E+00	1.62E+00	1.91E-01	0.00E+00	0.00E+00	0.00E+00	1.18E-02
HNA101U	6.34E-04	2.89E-01	5.19E-02	2.37E-01	0.00E+00	0.00E+00	3.23E+00	3.14E-06	2.99E-04	1.87E-03	0.00E+00	5.47E-03	2.46E-08	7.26E-10	3.55E-02	5.96E-04	2.18E-02	3.82E-03	4.15E-04	9.84E-02	2.17E+00	0.00E+00	2.90E-09	3.80E-09	4.37E-04	1.15E-05	2.90E-01	0.00E+00	2.17E+00	5.39E-09	2.17E+00	2.46E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HNA101Z	6.34E-04	2.89E-01	5.18E-02	2.37E-01	0.00E+00	0.00E+00	3.23E+00	3.14E-06	2.99E-04	1.87E-03	0.00E+00	5.47E-03	2.46E-08	7.26E-10	3.55E-02	5.95E-04	2.18E-02	3.82E-03	4.15E-04	9.83E-02	2.16E+00	0.00E+00	2.89E-09	3.80E-09	4.37E-04	1.14E-05	2.90E-01	0.00E+00	2.16E+00	5.39E-09	2.16E+00	2.45E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HNA125H	3.29E-04	1.50E-01	2.69E-02	1.23E-01	0.00E+00	0.00E+00	1.67E+00	1.63E-06	1.55E-04	9.71E-04	0.00E+00	2.84E-03	1.28E-08	3.76E-10	1.84E-02	3.09E-04	1.13E-02	1.95E-03	2.15E-04	5.09E-02	1.12E+00	0.00E+00	1.50E-09	1.97E-09	2.27E-04	5.93E-06	1.50E-01	0.00E+00	1.12E+00	2.79E-09	1.12E+00	1.27E+00	1.50E-01	0.00E+00	0.00E+00	0.00E+00	9.23E-03
HNA125M	1.61E-04	7.34E-02	1.32E-02	6.02E-02	0.00E+00	0.00E+00	8.23E-01	7.98E-07	7.60E-05	4.77E-04	0.00E+00	1.39E-03	6.27E-09	1.85E-10	9.00E-03	1.52E-04	5.50E-03	9.10E-04	1.05E-04	2.50E-02	5.51E-01	0.00E+00	7.37E-10	9.67E-10	1.11E-04	2.91E-06	7.38E-02	0.00E+00	5.51E-01	1.37E-09	5.51E-01	6.25E-01	7.38E-02	0.00E+00	0.00E+00	0.00E+00	4.52E-03
HNA125U	4.52E-04	2.06E-01	3.69E-02	1.69E-01	0.00E+00	0.00E+00	2.30E+00	2.23E-06	2.13E-04	1.33E-03	0.00E+00	3.90E-03	1.75E-08	5.17E-10	2.53E-02	4.24E-04	1.55E-02	2.71E-03	2.96E-04	7.01E-02	1.54E+00	0.00E+00	2.06E-09	2.71E-09	3.11E-04	8.15E-06	2.07E-01	0.00E+00	1.54E+00	3.84E-09	1.54E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HNA125Z	4.55E-04	2.07E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.32E+00	2.25E-06	2.14E-04	1.34E-03	0.00E+00	3.92E-03	1.77E-08	5.21E-10	2.54E-02	4.27E-04	1.56E-02	2.73E-03	2.97E-04	7.05E-02	1.55E+00	0.00E+00	2.08E-09	2.73E-09	3.13E-04	8.21E-06	2.08E-01	0.00E+00	1.55E+00	3.86E-09	1.55E+00	1.76E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-02
HNA126H	1.19E-03	5.44E-01	9.75E-02	4.46E-01	0.00E+00	0.00E+00	6.08E+00	5.90E-06	5.62E-04	3.52E-03	0.00E+00	1.03E-02	4.63E-08	1.37E-09	6.68E-02	1.12E-03	4.11E-02	7.28E-03	7.81E-04	1.85E-01	4.07E+00	0.00E+00	5.45E-09	7.15E-09	8.22E-04	2.15E-05	5.46E-01	0.00E+00	4.07E+00	1.01E-08	4.07E+00	4.62E+00	5.46E-01	0.00E+00	0.00E+00	0.00E+00	3.35E-02
HNA126M	4.46E-04	2.03E-01	3.65E-02	1.67E-01	0.00E+00	0.00E+00	2.27E+00	2.21E-06	2.10E-04	1.32E-03	0.00E+00	3.85E-03	1.73E-08	5.11E-10	2.49E-02	4.19E-04	1.53E-02	2.65E-03	2.92E-04	6.91E-02	1.52E+00	0.00E+00	2.04E-09	2.67E-09	3.07E-04	8.04E-06	2.04E-01	0.00E+00	1.52E+00	3.79E-09	1.52E+00	1.73E+00	2.04E-01	0.00E+00	0.00E+00	0.00E+00	1.25E-02
HNA126U	6.09E-04	2.77E-01	4.98E-02	2.28E-01	0.00E+00	0.00E+00	3.10E+00	3.01E-06	2.87E-04	1.80E-03	0.00E+00	5.25E-03	2.36E-08	6.97E-10	3.40E-02	5.72E-04	2.09E-02	3.66E-03	3.98E-04	9.44E-02	2.08E+00	0.00E+00	2.78E-09	3.65E-09	4.20E-04	1.10E-05	2.78E-01	0.00E+00	2.08E+00	5.17E-09	2.08E+00	2.36E+00	2.78E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-02
HNA126Z	6.01E-04	2.74E-01	4.91E-02	2.25E-01	0.00E+00	0.00E+00	3.06E+00	2.97E-06	2.83E-04	1.77E-03	0.00E+00	5.18E-03	2.33E-08	6.88E-10	3.36E-02	5.64E-04	2.07E-02	3.61E-03	3.93E-04	9.32E-02	2.05E+00	0.00E+00	2.74E-09	3.60E-09	4.14E-04	1.08E-05	2.75E-01	0.00E+00	2.05E+00	5.11E-09	2.05E+00	2.33E+00	2.75E-01	0.00E+00	0.00E+00	0.00E+00	1.69E-02
HNA160H	3.55E-04	1.62E-01	2.90E-02	1.33E-01	0.00E+00	0.00E+00	1.81E+00	1.76E-06	1.67E-04	1.05E-03	0.00E+00	3.06E-03	1.38E-08	4.07E-10	1.98E-02	3.33E-04	1.22E-02	2.11E-03	2.32E-04	5.50E-02	1.21E+00	0.00E+00	1.62E-09	2.13E-09	2.45E-04	6.41E-06	1.62E-01	0.00E+00	1.21E+00	3.02E-09	1.21E+00	1.37E+00	1.62E-01	0.00E+00	0.00E+00	0.00E+00	9.97E-03
HNA160M	3.34E-04	1.52E-01	2.73E-02	1.25E-01	0.00E+00	0.00E+00	1.70E+00	1.65E-06	1.57E-04	9.85E-04	0.00E+00	2.88E-03	1.30E-08	3.82E-10	1.86E-02	3.13E-04	1.14E-02	1.98E-03	2.18E-04	5.17E-02	1.14E+00	0.00E+00	1.52E-09	2.00E-09	2.30E-04	6.02E-06	1.53E-01	0.00E+00	1.14E+00	2.83E-09	1.14E+00	1.29E+00	1.53E-01	0.00E+00	0.00E+00	0.00E+00	9.37E-03
HNA160U	4.53E-04	2.06E-01	3.70E-02	1.69E-01	0.00E+00	0.00E+00	2.31E+00	2.24E-06	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.76E-08	5.18E-10	2.53E-02	4.25E-04	1.56E-02	2.72E-03	2.96E-04	7.02E-02	1.55E+00	0.00E+00	2.07E-09	2.71E-09	3.12E-04	8.17E-06	2.07E-01	0.00E+00	1.55E+00	3.85E-09	1.55E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HNA160Z	4.49E-04	2.04E-01	3.67E-02	1.68E-01	0.00E+00	0.00E+00	2.29E+00	2.22E-06	2.11E-04	1.33E-03	0.00E+00	3.87E-03	1.74E-08	5.14E-10	2.51E-02	4.21E-04	1.54E-02	2.70E-03	2.94E-04	6.96E-02	1.53E+00	0.00E+00	2.05E-09	2.69E-09	3.09E-04	8.10E-06	2.05E-01	0.00E+00	1.53E+00	3.81E-09	1.53E+00	1.74E+00	2.05E-01	0.00E+00	0.00E+00	0.00E+00	1.26E-02
HNA161H	5.38E-04	2.38E-01	4.49E-02	1.94E-01	0.00E+00	0.00E+00	2.79E+00	2.65E-06	2.57E-04	1.60E-03	0.00E+00	4.71E-03	2.13E-08	6.23E-10	2.88E-02	5.16E-04	1.59E-02	0.00E+00	3.36E-04	7.93E-02	1.83E+00	0.00E+00	2.48E-09	3.21E-09	3.73E-04	9.51E-06	2.45E-01	0.00E+00	1.83E+00	4.50E-09	1.83E+00	2.08E+00	2.45E-01	0.00E+00	0.00E+00	0.00E+00	1.44E-02
HNA161M	2.09E-04	9.50E-02	1.71E-02	7.79E-02	0.00E+00	0.00E+00	1.06E+00	1.03E-06	9.84E-05	6.17E-04	0.00E+00	1.80E-03	8.12E-09	2.39E-10	1.16E-02	1.96E-04	7.12E-03	1.18E-03	1.36E-04	3.23E-02	7.13E-01	0.00E+00	9.54E-10	1.25E-09	1.44E-04	3.76E-06	9.55E-02	0.00E+00	7.13E-01	1.77E-09	7.13E-01	8.08E-01	9.55E-02	0.00E+00	0.00E+00	0.00E+00	5.85E-03
HNA161U	6.07E-04	2.76E-01	4.96E-02	2.27E-01	0.00E+00	0.00E+00	3.09E+00	3.00E-06	2.86E-04	1.79E-03	0.00E+00	5.24E-03	2.36E-08	6.95E-10	3.39E-02	5.70E-04	2.09E-02	3.65E-03	3.97E-04	9.41E-02	2.07E+00	0.00E+00	2.77E-09	3.64E-09	4.18E-04	1.09E-05	2.77E-01	0.00E+00	2.07E+00	5.16E-09	2.07E+00	2.35E+00	2.77E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-02
HNA161Z	5.34E-04	2.43E-01	4.37E-02	2.00E-01	0.00E+00	0.00E+00	2.72E+00	2.64E-06	2.51E-04	1.58E-03	0.00E+00	4.61E-03	2.07E-08	6.11E-10	2.99E-02	5.01E-04	1.83E-02	3.20E-03	3.49E-04	8.28E-02	1.82E+00	0.00E+00	2.44E-09	3.20E-09	3.68E-04	9.64E-06	2.44E-01	0.00E+00	1.82E+00	4.54E-09	1.82E+00	2.07E+00	2.44E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-02
HNB100H	5.40E-04	2.41E-01	4.49E-02	1.96E-01	0.00E+00	0.00E+00	2.79E+00	2.66E-06	2.57E-04	1.60E-03	0.00E+00	4.72E-03	2.13E-08	6.25E-10	2.92E-02	5.16E-04	1.65E-02	6.08E-04	3.40E-04	8.04E-02	1.84E+00	0.00E+00	2.49E-09	3.23E-09	3.74E-04	9.59E-06	2.46E-01	0.00E+00	1.84E+00	4.53E-09	1.84E+00	2.09E+00	2.46E-01	0.00E+00	0.00E+00	0.00E+00	1.46E-02
HNB100U	1.25E-03	5.72E-01	1.03E-01	4.69E-01	0.00E+00	0.00E+00	6.39E+00	6.20E-06	5.90E-04	3.70E-03	0.00E+00	1.08E-02	4.87E-08	1.44E-09	7.02E-02	1.18E-03	4.32E-02	7.63E-03	8.21E-04	1.95E-01	4.28E+00	0.00E+00	5.73E-09	7.52E-09	8.64E-04	2.26E-05	5.74E-01	0.00E+00	4.28E+00	1.07E-08	4.28E+00	4.86E+00	5.74E-01	0.00E+00	0.00E+00	0.00E+00	3.53E-02
HNB100Z	5.91E-04	2.69E-01	4.84E-02	2.21E-01	0.00E+00	0.00E+00	3.01E+00	2.93E-06	2.79E-04	1.75E-03	0.00E+00	5.10E-03	2.30E-08	6.77E-10	3.31E-02	5.56E-04	2.03E-02	3.53E-03	3.87E-04	9.17E-02	2.02E+00	0.00E+00	2.70E-09	3.54E-09	4.08E-04	1.07E-05	2.70E-01	0.00E+00	2.02E+00	5.03E-09	2.02E+00	2.29E+00	2.70E-01	0.00E+00	0.00E+00	0.00E+00	1.66E-02
HNB101H	1.80E-03	8.22E-01	1.47E-01	6.75E-01	0.00E+00	0.00E+00	9.18E+00	8.92E-06	8.49E-04	5.32E-03	0.00E+00	1.56E-02	7.00E-08	2.06E-09	1.01E-01	1.69E-03	6.21E-02	1.10E-02	1.18E-03	2.80E-01	6.16E+00	0.00E+00	8.23E-09	1.08E-08	1.24E-03	3.26E-05	8.25E-01	0.00E+00	6.16E+00	1.53E-08	6.16E+00	6.98E+00	8.25E-01	0.00E+00	0.00E+00	0.00E+00	5.07E-02
HNB101U	1.84E-03	8.38E-01	1.50E-01	6.88E-01	0.00E+00	0.00E+00	9.36E+00	9.09E-06	8.65E-04	5.43E-03	0.00E+00	1.59E-02	7.13E-08	2.10E-09	1.03E-01	1.73E-03	6.33E-02	1.12E-02	1.20E-03	2.85E-01	6.27E+00	0.00E+00	8.39E-09	1.10E-08	1.27E-03	3.32E-05	8.40E-01	0.00E+00	6.27E+00	1.56E-08	6.27E+00	7.11E+00	8.40E-01	0.00E+00	0.00E+00	0.00E+00	5.17E-02
HNB101Z	2.13E-04	9.70E-02	1.75E-02	7.96E-02	0.00E+00	0.00E+00	1.09E+00	1.06E-06	1.01E-04	6.30E-04	0.00E+00	1.84E-03	8.30E-09	2.45E-10	1.19E-02	2.01E-04	7.25E-03	1.18E-03	1.39E-04	3.30E-02	7.28E-01	0.00E+00	9.75E-10	1.28E-09	1.47E-04	3.84E-06	9.75E-02	0.00E+00	7.28E-01	1.81E-09	7.28E-01	8.26E-01	9.75E-02	0.00E+00	0.00E+00	0.00E+00	5.97E-03
HNB102H	1.81E-03	8.23E-01	1.48E-01	6.76E-01	0.00E+00	0.00E+00	9.20E+00	8.93E-06	8.50E-04	5.33E-03	0.00E+00	1.56E-02	7.01E-08	2.07E-09	1.01E-01	1.70E-03	6.22E-02	1.10E-02	1.18E-03	2.80E-01	6.16E+00	0.00E+00	8.24E-09	1.08E-08	1.24E-03	3.26E-05	8.26E-01	0.00E+00	6.16E+00	1.53E-08	6.16E+00	6.99E+00	8.26E-01	0.00E+00	0.00E+00	0.00E+00	5.08E-02
HNB125H	1.16E-03	5.30E-01	9.50E-02	4.35E-01	0.00E+00	0.00E+00	5.92E+00	5.75E-06	5.47E-04	3.43E-03	0.00E+00	1.00E-02	4.51E-08	1.33E-09	6.51E-02	1.09E-03	4.00E-02	7.07E-03	7.61E-04	1.80E-01	3.97E+00	0.00E+00	5.31E-09	6.97E-09	8.01E-04	2.10E-05	5.32E-01	0.00E+00	3.97E+00	9.88E-09	3.97E+00	4.50E+00	5.32E-01	0.00E+00	0.00E+00	0.00E+00	3.27E-02
HNB125Z	1.04E-03	4.74E-01	8.51E-02	3.89E-01	0.00E+00	0.00E+00	5.30E+00	5.15E-06	4.90E-04	3.07E-03	0.00E+00	8.98E-03	4.04E-08	1.19E-09	5.82E-02	9.77E-04	3.58E-02	6.32E-03	6.81E-04	1.62E-01	3.55E+00	0.00E+00	4.75E-09	6.24E-09	7.17E-04	1.88E-05	4.76E-01	0.00E+00	3.55E+00	8.85E-09	3.55E+00	4.03E+00	4.76E-01	0.00E+00	0.00E+00	0.00E+00	2.93E-02
HNB126H	9.68E-04	4.41E-01	7.92E-02	3.62E-01	0.00E+00	0.00E+00	4.93E+00	4.79E-06	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-08	1.11E-09	5.42E-02	9.09E-04	3.33E-02	5.82E-03	6.34E-04	1.50E-01	3.31E+00	0.00E+00	4.42E-09	5.80E-09	6.67E-04	1.75E-05	4.43E-01	0.00E+00	3.31E+00	8.23E-09	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.72E-02
HNB126U	1.48E-03	6.76E-01	1.21E-01	5.55E-01	0.00E+00	0.00E+00	7.55E+00	7.33E-06	6.98E-04	4.38E-03	0.00E+00	1.28E-02	5.76E-08	1.70E-09	8.30E-02	1.39E-03	5.10E-02	9.02E-03	9.70E-04	2.30E-01	5.06E+00	0.00E+00	6.77E-09	8.89E-09	1.02E-03	2.68E-05	6.78E-01	0.00E+00	5.06E+00	1.26E-08	5.06E+00	5.74E+00	6.78E-01	0.00E+00	0.00E+00	0.00E+00	4.17E-02
HNB126Z	1.57E-03	7.16E-01	1.28E-01	5.87E-01	0.00E+00	0.00E+00	8.00E+00	7.77E-06	7.39E-04	4.64E-03	0.00E+00	1.35E-02	6.10E-08	1.80E-09	8.79E-02	1.47E-03	5.41E-02	9.56E-03	1.03E-03	2.44E-01	5.36E+00	0.00E+00	7.17E-09	9.41E-09	1.08E-03	2.83E-05	7.18E-01	0.00E+00	5.36E+00	1.33E-08	5.36E+00	6.08E+00	7.18E-01	0.00E+00	0.00E+00	0.00E+00	4.41E-02
HNB127H	1.75E-03	7.99E-01	1.43E-01	6.56E-01	0.00E+00	0.00E+00	8.93E+00	8.67E-06	8.26E-04	5.18E-03	0.00E+00	1.51E-02	6.81E-08	2.01E-09	9.82E-02	1.65E-03	6.04E-02	1.07E-02	1.15E-03	2.72E-01	5.99E+00	0.00E+00	8.01E-09	1.05E-08	1.21E-03	3.17E-05	8.02E-01	0.00E+00	5.99E+00	1.49E-08	5.99E+00	6.79E+00	8.02E-01	0.00E+00	0.00E+00	0.00E+00	4.93E-02
HNB160H	5.40E-04	2.41E-01	4.49E-02	1.96E-01	0.00E+00	0.00E+00	2.79E+00	2.66E-06	2.57E-04	1.60E-03	0.00E+00	4.72E-03	2.13E-08	6.25E-10	2.92E-02	5.16E-04	1.65E-02	6.08E-04	3.40E-04	8.04E-02	1.84E+00	0.00E+00	2.49E-09	3.23E-09	3.74E-04	9.59E-06	2.46E-01	0.00E+00	1.84E+00	4.53E-09	1.84E+00	2.09E+00	2.46E-01	0.00E+00	0.00E+00	0.00E+00	1.46E-02
HNB160U	2.31E-04	1.04E-01	1.91E-02	8.45E-02	0.00E+00	0.00E+00	1.19E+00	1.14E-06	1.10E-04	6.84E-04	0.00E+00	2.01E-03	9.07E-09	2.66E-10	1.26E-02	2.19E-04	7.31E-03	6.08E-04	1.47E-04	3.48E-02	7.88E-01	0.00E+00	1.06E-09	1.38E-09	1.60E-04	4.12E-06	1.05E-01	0.00E+00	7.88E-01	1.95E-09	7.88E-01	8.93E-01	1.05E-01	0.00E+00	0.00E+00	0.00E+00	6.32E-03
HNB160Z	1.07E-03	4.88E-01	8.75E-02	4.00E-01	0.00E+00	0.00E+00	5.45E+00	5.30E-06	5.04E-04	3.16E-03	0.00E+00	9.24E-03	4.16E-08	1.23E-09	5.99E-02	1.01E-03	3.69E-02	6.50E-03	7.01E-04	1.66E-01	3.65E+00	0.00E+00	4.89E-09	6.42E-09	7.38E-04	1.93E-05	4.90E-01	0.00E+00	3.65E+00	9.10E-09	3.65E+00	4.14E+00	4.90E-01	0.00E+00	0.00E+00	0.00E+00	3.01E-02
HNB161H	1.74E-03	7.95E-01	1.43E-01	6.52E-01	0.00E+00	0.00E+00	8.88E+00	8.63E-06	8.21E-04	5.15E-03	0.00E+00	1.50E-02	6.77E-08	2.00E-09	9.76E-02	1.64E-03	6.01E-02	1.06E-02	1.14E-03	2.71E-01	5.95E+00	0.00E+00	7.96E-09	1.05E-08	1.20E-03	3.15E-05	7.97E-01	0.00E+00	5.95E+00	1.48E-08	5.95E+00	6.75E+00	7.97E-01	0.00E+00	0.00E+00	0.00E+00	4.90E-02
HNB161Z	1.51E-03	6.89E-01	1.24E-01	5.65E-01	0.00E+00	0.00E+00	7.70E+00	7.47E-06	7.11E-04	4.46E-03	0.00E+00	1.30E-02	5.87E-08	1.73E-09	8.46E-02	1.42E-03	5.20E-02	9.20E-03	9.89E-04	2.35E-01	5.16E+00	0.00E+00	6.90E-09	9.06E-09	1.04E-03	2.73E-05	6.91E-01	0.00E+00	5.16E+00	1.28E-08	5.16E+00	5.85E+00	6.91E-01	0.00E+00	0.00E+00	0.00E+00	4.25E-02
HNB162H	1.75E-03	7.97E-01	1.43E-01	6.54E-01	0.00E+00	0.00E+00	8.91E+00	8.65E-06	8.23E-04	5.16E-03	0.00E+00	1.51E-02	6.79E-08	2.00E-09	9.79E-02	1.64E-03	6.02E-02	1.07E-02	1.14E-03	2.71E-01	5.97E+00	0.00E+00	7.98E-09	1.05E-08	1.21E-03	3.16E-05	8.00E-01	0.00E+00	5.97E+00	1.49E-08	5.97E+00	6.77E+00	8.00E-01	0.00E+00	0.00E+00	0.00E+00	4.92E-02
HNB200H	5.40E-04	2.41E-01	4.49E-02	1.96E-01	0.00E+00	0.00E+00	2.79E+00	2.66E-06	2.57E-04	1.60E-03	0.00E+00	4.72E-03	2.13E-08	6.25E-10	2.92E-02	5.16E-04	1.65E-02	6.08E-04	3.40E-04	8.04E-02	1.84E+00	0.00E+00	2.49E-09	3.23E-09	3.74E-04	9.59E-06	2.46E-01	0.00E+00	1.84E+00	4.53E-09	1.84E+00	2.09E+00	2.46E-01	0.00E+00	0.00E+00	0.00E+00	1.46E-02
HNB200U	5.80E-04	2.59E-01	4.83E-02	2.10E-01	0.00E+00	0.00E+00	3.00E+00	2.86E-06	2.76E-04	1.72E-03	0.00E+00	5.07E-03	2.29E-08	6.71E-10	3.13E-02	5.55E-04	1.76E-02	6.08E-04	3.65E-04	8.63E-02	1.98E+00	0.00E+00	2.67E-09	3.47E-09	4.02E-04	1.03E-05	2.64E-01	0.00E+00	1.98E+00	4.87E-09	1.98E+00	2.24E+00	2.64E-01	0.00E+00	0.00E+00	0.00E+00	1.57E-02
HNB200Z	1.13E-03	5.16E-01	9.26E-02	4.24E-01	0.00E+00	0.00E+00	5.77E+00	5.60E-06	5.33E-04	3.35E-03	0.00E+00	9.77E-03	4.40E-08	1.30E-09	6.34E-02	1.06E-03	3.90E-02	6.89E-03	7.42E-04	1.76E-01	3.87E+00	0.00E+00	5.17E-09	6.79E-09	7.81E-04	2.05E-05	5.18E-01	0.00E+00	3.87E+00	9.63E-09	3.87E+00	4.39E+00	5.18E-01	0.00E+00	0.00E+00	0.00E+00	3.18E-02
HNB201H	5.90E-04	2.63E-01	4.91E-02	2.14E-01	0.00E+00	0.00E+00	3.05E+00	2.91E-06	2.81E-04	1.75E-03	0.00E+00	5.16E-03	2.33E-08	6.82E-10	3.18E-02	5.64E-04	1.79E-02	6.08E-04	3.71E-04	8.77E-02	2.01E+00	0.00E+00	2.71E-09	3.52E-09	4.09E-04	1.05E-05	2.69E-01	0.00E+00	2.01E+00	4.95E-09	2.01E+00	2.28E+00	2.69E-01	0.00E+00	0.00E+00	0.00E+00	1.59E-02
HNB201U	1.76E-03	8.04E-01	1.44E-01	6.59E-01	0.00E+00	0.00E+00	8.98E+00	8.72E-06	8.30E-04	5.21E-03	0.00E+00	1.52E-02	6.84E-08	2.02E-09	9.87E-02	1.65E-03	6.07E-02	1.07E-02	1.15E-03	2.74E-01	6.02E+00	0.00E+00	8.05E-09	1.06E-08	1.21E-03	3.18E-05	8.06E-01	0.00E+00	6.02E+00	1.50E-08	6.02E+00	6.82E+00	8.06E-01	0.00E+00	0.00E+00	0.00E+00	4.96E-02
HNB201Z	1.57E-03	7.18E-01	1.29E-01	5.89E-01	0.00E+00	0.00E+00	8.02E+00	7.79E-06	7.41E-04	4.65E-03	0.00E+00	1.36E-02	6.11E-08	1.80E-09	8.81E-02	1.48E-03	5.42E-02	9.59E-03	1.03E-03	2.44E-01	5.38E+00	0.00E+00	7.19E-09	9.44E-09	1.09E-03	2.84E-05	7.20E-01	0.00E+00	5.38E+00	1.34E-08	5.38E+00	6.10E+00	7.20E-01	0.00E+00	0.00E+00	0.00E+00	4.43E-02
HNB202H	2.21E-04	1.01E-01	1.81E-02	8.25E-02	0.00E+00	0.00E+00	1.13E+00	1.09E-06	1.04E-04	6.54E-04	0.00E+00	1.91E-03	8.62E-09	2.54E-10	1.23E-02	2.08E-04	7.50E-03	1.19E-03	1.44E-04	3.42E-02	7.56E-01	0.00E+00	1.01E-09	1.33E-09	1.53E-04	3.99E-06	1.01E-01	0.00E+00	7.56E-01	1.88E-09	7.56E-01	8.57E-01	1.01E-01	0.00E+00	0.00E+00	0.00E+00	6.19E-03
HNB250H	4.87E-04	2.17E-01	4.05E-02	1.77E-01	0.00E+00	0.00E+00	2.52E+00	2.40E-06	2.32E-04	1.44E-03	0.00E+00	4.26E-03	1.93E-08	5.64E-10	2.63E-02	4.66E-04	1.49E-02	6.08E-04	3.07E-04	7.27E-02	1.66E+00	0.00E+00	2.24E-09	2.91E-09	3.38E-04	8.66E-06	2.22E-01	0.00E+00	1.66E+00	4.09E-09	1.66E+00	1.89E+00	2.22E-01	0.00E+00	0.00E+00	0.00E+00	1.32E-02
HNB250U	2.31E-04	1.04E-01	1.91E-02	8.45E-02	0.00E+00	0.00E+00	1.19E+00	1.14E-06	1.10E-04	6.84E-04	0.00E+00	2.01E-03	9.07E-09	2.66E-10	1.26E-02	2.19E-04	7.31E-03	6.08E-04	1.47E-04	3.48E-02	7.88E-01	0.00E+00	1.06E-09	1.38E-09	1.60E-04	4.12E-06	1.05E-01	0.00E+00	7.88E-01	1.95E-09	7.88E-01	8.93E-01	1.05E-01	0.00E+00	0.00E+00	0.00E+00	6.32E-03
HNB250Z	1.11E-03	5.04E-01	9.03E-02	4.13E-01	0.00E+00	0.00E+00	5.63E+00	5.47E-06	5.20E-04	3.26E-03	0.00E+00	9.54E-03	4.29E-08	1.27E-09	6.18E-02	1.04E-03	3.81E-02	6.71E-03	7.23E-04	1.72E-01	3.77E+00	0.00E+00	5.05E-09	6.62E-09	7.62E-04	2.00E-05	5.05E-01	0.00E+00	3.77E+00	9.39E-09	3.77E+00	4.28E+00	5.05E-01	0.00E+00	0.00E+00	0.00E+00	3.11E-02
HNB251H	5.90E-04	2.63E-01	4.91E-02	2.14E-01	0.00E+00	0.00E+00	3.05E+00	2.91E-06	2.81E-04	1.75E-03	0.00E+00	5.16E-03	2.33E-08	6.82E-10	3.18E-02	5.64E-04	1.79E-02	6.08E-04	3.71E-04	8.77E-02	2.01E+00	0.00E+00	2.71E-09	3.52E-09	4.09E-04	1.05E-05	2.69E-01	0.00E+00	2.01E+00	4.95E-09	2.01E+00	2.28E+00	2.69E-01	0.00E+00	0.00E+00	0.00E+00	1.59E-02
HNB251U	1.74E-03	7.93E-01	1.42E-01	6.51E-01	0.00E+00	0.00E+00	8.86E+00	8.60E-06	8.19E-04	5.13E-03	0.00E+00	1.50E-02	6.75E-08	1.99E-09	9.73E-02	1.63E-03	5.99E-02	1.06E-02	1.14E-03	2.70E-01	5.94E+00	0.00E+00	7.94E-09	1.04E-08	1.20E-03	3.14E-05	7.95E-01	0.00E+00	5.94E+00	1.48E-08	5.94E+00	6.73E+00	7.95E-01	0.00E+00	0.00E+00	0.00E+00	4.89E-02
HNB251Z	2.13E-04	9.70E-02	1.75E-02	7.96E-02	0.00E+00	0.00E+00	1.09E+00	1.06E-06	1.01E-04	6.30E-04	0.00E+00	1.84E-03	8.30E-09	2.45E-10	1.19E-02	2.01E-04	7.25E-03	1.18E-03	1.39E-04	3.30E-02	7.28E-01	0.00E+00	9.75E-10	1.28E-09	1.47E-04	3.84E-06	9.75E-02	0.00E+00	7.28E-01	1.81E-09	7.28E-01	8.26E-01	9.75E-02	0.00E+00	0.00E+00	0.00E+00	5.97E-03
HNB252H	5.90E-04	2.63E-01	4.91E-02	2.14E-01	0.00E+00	0.00E+00	3.05E+00	2.91E-06	2.81E-04	1.75E-03	0.00E+00	5.16E-03	2.33E-08	6.82E-10	3.18E-02	5.64E-04	1.79E-02	6.08E-04	3.71E-04	8.77E-02	2.01E+00	0.00E+00	2.71E-09	3.52E-09	4.09E-04	1.05E-05	2.69E-01	0.00E+00	2.01E+00	4.95E-09	2.01E+00	2.28E+00	2.69E-01	0.00E+00	0.00E+00	0.00E+00	1.59E-02
HNJ250DR	1.80E-03	8.19E-01	1.47E-01	6.72E-01	0.00E+00	0.00E+00	9.16E+00	8.89E-06	8.47E-04	5.31E-03	0.00E+00	1.55E-02	6.98E-08	2.06E-09	1.01E-01	1.69E-03	6.17E-02	1.07E-02	1.18E-03	2.79E-01	6.14E+00	0.00E+00	8.21E-09	1.08E-08	1.24E-03	3.24E-05	8.22E-01	0.00E+00	6.14E+00	1.53E-08	6.14E+00	6.96E+00	8.22E-01	0.00E+00	0.00E+00	0.00E+00	5.05E-02
HNJ251DR	1.86E-03	8.46E-01	1.52E-01	6.94E-01	0.00E+00	0.00E+00	9.47E+00	9.19E-06	8.75E-04	5.49E-03	0.00E+00	1.60E-02	7.22E-08	2.13E-09	1.04E-01	1.75E-03	6.37E-02	1.09E-02	1.21E-03	2.88E-01	6.34E+00	0.00E+00	8.49E-09	1.11E-08	1.28E-03	3.35E-05	8.50E-01	0.00E+00	6.34E+00	1.58E-08	6.34E+00	7.19E+00	8.50E-01	0.00E+00	0.00E+00	0.00E+00	5.22E-02
HNJ320BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HNJ320DR	1.83E-03	8.33E-01	1.49E-01	6.83E-01	0.00E+00	0.00E+00	9.31E+00	9.04E-06	8.61E-04	5.40E-03	0.00E+00	1.58E-02	7.10E-08	2.09E-09	1.02E-01	1.72E-03	6.28E-02	1.09E-02	1.20E-03	2.83E-01	6.24E+00	0.00E+00	8.35E-09	1.10E-08	1.26E-03	3.30E-05	8.36E-01	0.00E+00	6.24E+00	1.55E-08	6.24E+00	7.08E+00	8.36E-01	0.00E+00	0.00E+00	0.00E+00	5.13E-02
HNJ321DR	2.01E-03	9.14E-01	1.64E-01	7.50E-01	0.00E+00	0.00E+00	1.02E+01	9.93E-06	9.45E-04	5.93E-03	0.00E+00	1.73E-02	7.80E-08	2.30E-09	1.12E-01	1.89E-03	6.88E-02	1.18E-02	1.31E-03	3.11E-01	6.85E+00	0.00E+00	9.16E-09	1.20E-08	1.38E-03	3.62E-05	9.18E-01	0.00E+00	6.85E+00	1.70E-08	6.85E+00	7.77E+00	9.18E-01	0.00E+00	0.00E+00	0.00E+00	5.63E-02
HNJ400DR	1.12E-03	5.15E-01	9.16E-02	4.23E-01	0.00E+00	0.00E+00	5.71E+00	5.57E-06	5.28E-04	3.32E-03	0.00E+00	9.68E-03	4.35E-08	1.28E-09	6.34E-02	1.05E-03	3.96E-02	8.00E-03	7.42E-04	1.76E-01	3.84E+00	0.00E+00	5.12E-09	6.74E-09	7.74E-04	2.04E-05	5.15E-01	0.00E+00	3.84E+00	9.58E-09	3.84E+00	4.35E+00	5.15E-01	0.00E+00	0.00E+00	0.00E+00	3.19E-02
HNJ401DR	1.28E-03	5.82E-01	1.04E-01	4.78E-01	0.00E+00	0.00E+00	6.50E+00	6.32E-06	6.01E-04	3.77E-03	0.00E+00	1.10E-02	4.95E-08	1.46E-09	7.15E-02	1.20E-03	4.41E-02	8.00E-03	8.37E-04	1.98E-01	4.36E+00	0.00E+00	5.83E-09	7.65E-09	8.80E-04	2.31E-05	5.84E-01	0.00E+00	4.36E+00	1.09E-08	4.36E+00	4.94E+00	5.84E-01	0.00E+00	0.00E+00	0.00E+00	3.59E-02
HNJ500BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HNJ630DE	1.12E-03	5.15E-01	9.16E-02	4.23E-01	0.00E+00	0.00E+00	5.71E+00	5.57E-06	5.28E-04	3.32E-03	0.00E+00	9.68E-03	4.35E-08	1.28E-09	6.34E-02	1.05E-03	3.96E-02	8.00E-03	7.42E-04	1.76E-01	3.84E+00	0.00E+00	5.12E-09	6.74E-09	7.74E-04	2.04E-05	5.15E-01	0.00E+00	3.84E+00	9.58E-09	3.84E+00	4.35E+00	5.15E-01	0.00E+00	0.00E+00	0.00E+00	3.19E-02
HNJ631DE	1.28E-03	5.82E-01	1.04E-01	4.78E-01	0.00E+00	0.00E+00	6.50E+00	6.32E-06	6.01E-04	3.77E-03	0.00E+00	1.10E-02	4.95E-08	1.46E-09	7.15E-02	1.20E-03	4.41E-02	8.00E-03	8.37E-04	1.98E-01	4.36E+00	0.00E+00	5.83E-09	7.65E-09	8.80E-04	2.31E-05	5.84E-01	0.00E+00	4.36E+00	1.09E-08	4.36E+00	4.94E+00	5.84E-01	0.00E+00	0.00E+00	0.00E+00	3.59E-02
HNS025BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HNS025BR	7.93E-04	3.62E-01	6.48E-02	2.97E-01	0.00E+00	0.00E+00	4.04E+00	3.92E-06	3.73E-04	2.34E-03	0.00E+00	6.84E-03	3.08E-08	9.08E-10	4.44E-02	7.45E-04	2.73E-02	4.82E-03	5.19E-04	1.23E-01	2.71E+00	0.00E+00	3.62E-09	4.75E-09	5.47E-04	1.43E-05	3.63E-01	0.00E+00	2.71E+00	6.74E-09	2.71E+00	3.07E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-02
HNS025DC	6.00E-04	2.73E-01	4.90E-02	2.24E-01	0.00E+00	0.00E+00	3.06E+00	2.97E-06	2.82E-04	1.77E-03	0.00E+00	5.18E-03	2.33E-08	6.87E-10	3.36E-02	5.63E-04	2.06E-02	3.61E-03	3.93E-04	9.31E-02	2.05E+00	0.00E+00	2.74E-09	3.60E-09	4.14E-04	1.08E-05	2.74E-01	0.00E+00	2.05E+00	5.10E-09	2.05E+00	2.32E+00	2.74E-01	0.00E+00	0.00E+00	0.00E+00	1.69E-02

HNS025DR	5.26E-04	2.40E-01	4.30E-02	1.97E-01	0.00E+00	0.00E+00	2.68E+00	2.60E-06	2.48E-04	1.55E-03	0.00E+00	4.54E-03	2.04E-08	6.02E-10	2.94E-02	4.94E-04	1.81E-02	3.16E-03	3.44E-04	8.15E-02	1.79E+00	0.00E+00	2.40E-09	3.15E-09	3.62E-04	9.49E-06	2.40E-01	0.00E+00	1.79E+00	4.47E-09	1.79E+00	2.03E+00	2.40E-01	0.00E+00	0.00E+00	0.00E+00	1.48E-02
HNS026BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS026BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS026DC	7.58E-04	3.45E-01	6.19E-02	2.83E-01	0.00E+00	0.00E+00	3.86E+00	3.75E-06	3.57E-04	2.24E-03	0.00E+00	6.54E-03	2.94E-08	8.68E-10	4.24E-02	7.12E-04	2.61E-02	4.56E-03	4.96E-04	1.18E-01	2.59E+00	0.00E+00	3.46E-09	4.54E-09	5.22E-04	1.37E-05	3.47E-01	0.00E+00	2.59E+00	6.44E-09	2.59E+00	2.93E+00	3.47E-01	0.00E+00	0.00E+00	0.00E+00	2.13E-02
HNS026DR	6.35E-04	2.89E-01	5.19E-02	2.37E-01	0.00E+00	0.00E+00	3.23E+00	3.14E-06	2.99E-04	1.87E-03	0.00E+00	5.48E-03	2.47E-08	7.27E-10	3.55E-02	5.96E-04	2.18E-02	3.80E-03	4.15E-04	9.85E-02	2.17E+00	0.00E+00	2.90E-09	3.80E-09	4.38E-04	1.15E-05	2.90E-01	0.00E+00	2.17E+00	5.39E-09	2.17E+00	2.46E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HNS040BC	4.98E-04	2.27E-01	4.07E-02	1.86E-01	0.00E+00	0.00E+00	2.54E+00	2.46E-06	2.35E-04	1.47E-03	0.00E+00	4.30E-03	1.94E-08	5.71E-10	2.79E-02	4.68E-04	1.71E-02	2.98E-03	3.26E-04	7.73E-02	1.70E+00	0.00E+00	2.28E-09	2.99E-09	3.43E-04	8.99E-06	2.28E-01	0.00E+00	1.70E+00	4.23E-09	1.70E+00	1.93E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-02
HNS040BR	7.93E-04	3.62E-01	6.48E-02	2.97E-01	0.00E+00	0.00E+00	4.04E+00	3.92E-06	3.73E-04	2.34E-03	0.00E+00	6.84E-03	3.08E-08	9.08E-10	4.44E-02	7.45E-04	2.73E-02	4.82E-03	5.19E-04	1.23E-01	2.71E+00	0.00E+00	3.62E-09	4.75E-09	5.47E-04	1.43E-05	3.63E-01	0.00E+00	2.71E+00	6.74E-09	2.71E+00	3.07E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-02
HNS040DC	4.97E-04	2.26E-01	4.06E-02	1.86E-01	0.00E+00	0.00E+00	2.53E+00	2.46E-06	2.34E-04	1.47E-03	0.00E+00	4.29E-03	1.93E-08	5.69E-10	2.78E-02	4.67E-04	1.71E-02	2.98E-03	3.25E-04	7.71E-02	1.70E+00	0.00E+00	2.27E-09	2.98E-09	3.43E-04	8.97E-06	2.27E-01	0.00E+00	1.70E+00	4.22E-09	1.70E+00	1.92E+00	2.27E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-02
HNS040DR	5.29E-04	2.41E-01	4.32E-02	1.98E-01	0.00E+00	0.00E+00	2.69E+00	2.61E-06	2.49E-04	1.56E-03	0.00E+00	4.56E-03	2.05E-08	6.05E-10	2.96E-02	4.96E-04	1.82E-02	3.18E-03	3.46E-04	8.20E-02	1.80E+00	0.00E+00	2.41E-09	3.17E-09	3.64E-04	9.54E-06	2.42E-01	0.00E+00	1.80E+00	4.49E-09	1.80E+00	2.05E+00	2.42E-01	0.00E+00	0.00E+00	0.00E+00	1.49E-02
HNS041BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS041BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.94E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS041DC	8.29E-04	3.78E-01	6.78E-02	3.10E-01	0.00E+00	0.00E+00	4.22E+00	4.10E-06	3.90E-04	2.45E-03	0.00E+00	7.15E-03	3.22E-08	9.49E-10	4.64E-02	7.79E-04	2.85E-02	5.00E-03	5.43E-04	1.29E-01	2.83E+00	0.00E+00	3.78E-09	4.97E-09	5.71E-04	1.50E-05	3.79E-01	0.00E+00	2.83E+00	7.05E-09	2.83E+00	3.21E+00	3.79E-01	0.00E+00	0.00E+00	0.00E+00	2.33E-02
HNS041DR	6.10E-04	2.78E-01	4.99E-02	2.28E-01	0.00E+00	0.00E+00	3.11E+00	3.02E-06	2.87E-04	1.80E-03	0.00E+00	5.27E-03	2.37E-08	6.99E-10	3.41E-02	5.73E-04	2.10E-02	3.65E-03	3.99E-04	9.47E-02	2.08E+00	0.00E+00	2.79E-09	3.66E-09	4.21E-04	1.10E-05	2.79E-01	0.00E+00	2.08E+00	5.19E-09	2.08E+00	2.36E+00	2.79E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-02
HNS050BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HNS050BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HNS051BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS051BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS063BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HNS063BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HNS063DC	6.09E-04	2.78E-01	4.98E-02	2.28E-01	0.00E+00	0.00E+00	3.10E+00	3.01E-06	2.87E-04	1.80E-03	0.00E+00	5.26E-03	2.37E-08	6.97E-10	3.41E-02	5.72E-04	2.09E-02	3.67E-03	3.99E-04	9.45E-02	2.08E+00	0.00E+00	2.78E-09	3.65E-09	4.20E-04	1.10E-05	2.79E-01	0.00E+00	2.08E+00	5.18E-09	2.08E+00	2.36E+00	2.79E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-02
HNS063DR	5.20E-04	2.37E-01	4.25E-02	1.95E-01	0.00E+00	0.00E+00	2.65E+00	2.57E-06	2.45E-04	1.54E-03	0.00E+00	4.49E-03	2.02E-08	5.96E-10	2.91E-02	4.89E-04	1.79E-02	3.12E-03	3.40E-04	8.07E-02	1.78E+00	0.00E+00	2.38E-09	3.12E-09	3.59E-04	9.39E-06	2.38E-01	0.00E+00	1.78E+00	4.42E-09	1.78E+00	2.01E+00	2.38E-01	0.00E+00	0.00E+00	0.00E+00	1.46E-02
HNS064BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS064BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS064DC	8.75E-04	3.99E-01	7.15E-02	3.27E-01	0.00E+00	0.00E+00	4.46E+00	4.33E-06	4.12E-04	2.58E-03	0.00E+00	7.55E-03	3.40E-08	1.00E-09	4.89E-02	8.21E-04	3.01E-02	5.28E-03	5.72E-04	1.36E-01	2.99E+00	0.00E+00	3.99E-09	5.24E-09	6.03E-04	1.58E-05	4.00E-01	0.00E+00	2.99E+00	7.43E-09	2.99E+00	3.39E+00	4.00E-01	0.00E+00	0.00E+00	0.00E+00	2.46E-02
HNS064DR	6.36E-04	2.90E-01	5.20E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.15E-06	3.00E-04	1.88E-03	0.00E+00	5.49E-03	2.47E-08	7.29E-10	3.56E-02	5.98E-04	2.19E-02	3.81E-03	4.16E-04	9.87E-02	2.17E+00	0.00E+00	2.91E-09	3.81E-09	4.39E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.41E-09	2.17E+00	2.46E+00	2.91E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HNS080BC	4.61E-04	2.10E-01	3.77E-02	1.72E-01	0.00E+00	0.00E+00	2.35E+00	2.28E-06	2.17E-04	1.36E-03	0.00E+00	3.98E-03	1.79E-08	5.27E-10	2.58E-02	4.33E-04	1.58E-02	2.75E-03	3.01E-04	7.14E-02	1.57E+00	0.00E+00	2.10E-09	2.76E-09	3.18E-04	8.31E-06	2.11E-01	0.00E+00	1.57E+00	3.91E-09	1.57E+00	1.78E+00	2.11E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HNS080BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HNS080DC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HNS080DR	5.28E-04	2.40E-01	4.31E-02	1.97E-01	0.00E+00	0.00E+00	2.69E+00	2.61E-06	2.48E-04	1.56E-03	0.00E+00	4.55E-03	2.05E-08	6.04E-10	2.95E-02	4.96E-04	1.81E-02	3.17E-03	3.45E-04	8.18E-02	1.80E+00	0.00E+00	2.41E-09	3.16E-09	3.64E-04	9.52E-06	2.41E-01	0.00E+00	1.80E+00	4.48E-09	1.80E+00	2.04E+00	2.41E-01	0.00E+00	0.00E+00	0.00E+00	1.48E-02
HNS081BC	6.02E-04	2.74E-01	4.92E-02	2.25E-01	0.00E+00	0.00E+00	3.07E+00	2.98E-06	2.83E-04	1.78E-03	0.00E+00	5.19E-03	2.34E-08	6.89E-10	3.37E-02	5.65E-04	2.07E-02	3.59E-03	3.94E-04	9.33E-02	2.05E+00	0.00E+00	2.75E-09	3.61E-09	4.15E-04	1.09E-05	2.75E-01	0.00E+00	2.05E+00	5.11E-09	2.05E+00	2.33E+00	2.75E-01	0.00E+00	0.00E+00	0.00E+00	1.69E-02
HNS081BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS081DC	8.80E-04	4.01E-01	7.20E-02	3.29E-01	0.00E+00	0.00E+00	4.48E+00	4.35E-06	4.14E-04	2.60E-03	0.00E+00	7.60E-03	3.42E-08	1.01E-09	4.92E-02	8.27E-04	3.03E-02	5.32E-03	5.76E-04	1.37E-01	3.00E+00	0.00E+00	4.02E-09	5.28E-09	6.07E-04	1.59E-05	4.03E-01	0.00E+00	3.00E+00	7.48E-09	3.00E+00	3.41E+00	4.03E-01	0.00E+00	0.00E+00	0.00E+00	2.47E-02
HNS081DR	6.38E-04	2.91E-01	5.21E-02	2.38E-01	0.00E+00	0.00E+00	3.25E+00	3.15E-06	3.00E-04	1.88E-03	0.00E+00	5.50E-03	2.48E-08	7.30E-10	3.57E-02	5.99E-04	2.19E-02	3.82E-03	4.17E-04	9.89E-02	2.18E+00	0.00E+00	2.91E-09	3.82E-09	4.40E-04	1.15E-05	2.92E-01	0.00E+00	2.18E+00	5.42E-09	2.18E+00	2.47E+00	2.92E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HNS100BC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HNS100BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HNS100DC	6.16E-04	2.81E-01	5.03E-02	2.30E-01	0.00E+00	0.00E+00	3.14E+00	3.05E-06	2.90E-04	1.82E-03	0.00E+00	5.31E-03	2.39E-08	7.05E-10	3.44E-02	5.78E-04	2.12E-02	3.71E-03	4.03E-04	9.55E-02	2.10E+00	0.00E+00	2.81E-09	3.69E-09	4.24E-04	1.11E-05	2.82E-01	0.00E+00	2.10E+00	5.23E-09	2.10E+00	2.38E+00	2.82E-01	0.00E+00	0.00E+00	0.00E+00	1.73E-02
HNS100DR	5.33E-04	2.43E-01	4.36E-02	1.99E-01	0.00E+00	0.00E+00	2.71E+00	2.64E-06	2.51E-04	1.57E-03	0.00E+00	4.60E-03	2.07E-08	6.10E-10	2.98E-02	5.00E-04	1.83E-02	3.20E-03	3.49E-04	8.27E-02	1.82E+00	0.00E+00	2.43E-09	3.19E-09	3.67E-04	9.62E-06	2.44E-01	0.00E+00	1.82E+00	4.53E-09	1.82E+00	2.06E+00	2.44E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-02
HNS101BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS101BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS101DC	8.76E-04	3.99E-01	7.17E-02	3.28E-01	0.00E+00	0.00E+00	4.46E+00	4.34E-06	4.13E-04	2.59E-03	0.00E+00	7.56E-03	3.40E-08	1.00E-09	4.90E-02	8.23E-04	3.02E-02	5.29E-03	5.74E-04	1.36E-01	2.99E+00	0.00E+00	4.00E-09	5.25E-09	6.04E-04	1.58E-05	4.01E-01	0.00E+00	2.99E+00	7.45E-09	2.99E+00	3.39E+00	4.01E-01	0.00E+00	0.00E+00	0.00E+00	2.46E-02
HNS101DR	6.36E-04	2.90E-01	5.20E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.14E-06	2.99E-04	1.88E-03	0.00E+00	5.49E-03	2.47E-08	7.28E-10	3.55E-02	5.97E-04	2.18E-02	3.81E-03	4.16E-04	9.86E-02	2.17E+00	0.00E+00	2.90E-09	3.81E-09	4.38E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.40E-09	2.17E+00	2.46E+00	2.91E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HNS102DC	7.99E-04	3.64E-01	6.53E-02	2.99E-01	0.00E+00	0.00E+00	4.07E+00	3.95E-06	3.76E-04	2.36E-03	0.00E+00	6.90E-03	3.10E-08	9.15E-10	4.47E-02	7.51E-04	2.75E-02	4.81E-03	5.23E-04	1.24E-01	2.73E+00	0.00E+00	3.65E-09	4.79E-09	5.51E-04	1.44E-05	3.66E-01	0.00E+00	2.73E+00	6.79E-09	2.73E+00	3.09E+00	3.66E-01	0.00E+00	0.00E+00	0.00E+00	2.25E-02
HNS125BC	4.31E-04	1.96E-01	3.52E-02	1.61E-01	0.00E+00	0.00E+00	2.20E+00	2.13E-06	2.03E-04	1.27E-03	0.00E+00	3.72E-03	1.67E-08	4.93E-10	2.41E-02	4.05E-04	1.48E-02	2.57E-03	2.82E-04	6.68E-02	1.47E+00	0.00E+00	1.97E-09	2.58E-09	2.97E-04	7.78E-06	1.97E-01	0.00E+00	1.47E+00	3.66E-09	1.47E+00	1.67E+00	1.97E-01	0.00E+00	0.00E+00	0.00E+00	1.21E-02
HNS125BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HNS125DC	6.86E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.50E+00	3.39E-06	3.23E-04	2.03E-03	0.00E+00	5.92E-03	2.67E-08	7.86E-10	3.84E-02	6.45E-04	2.36E-02	4.15E-03	4.49E-04	1.06E-01	2.34E+00	0.00E+00	3.13E-09	4.11E-09	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.34E+00	5.83E-09	2.34E+00	2.66E+00	3.14E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HNS125DR	5.27E-04	2.40E-01	4.31E-02	1.97E-01	0.00E+00	0.00E+00	2.68E+00	2.60E-06	2.48E-04	1.56E-03	0.00E+00	4.54E-03	2.05E-08	6.03E-10	2.95E-02	4.95E-04	1.81E-02	3.16E-03	3.45E-04	8.17E-02	1.80E+00	0.00E+00	2.40E-09	3.16E-09	3.63E-04	9.50E-06	2.41E-01	0.00E+00	1.80E+00	4.48E-09	1.80E+00	2.04E+00	2.41E-01	0.00E+00	0.00E+00	0.00E+00	1.48E-02
HNS126BC	6.02E-04	2.74E-01	4.92E-02	2.25E-01	0.00E+00	0.00E+00	3.07E+00	2.98E-06	2.83E-04	1.78E-03	0.00E+00	5.19E-03	2.34E-08	6.89E-10	3.37E-02	5.65E-04	2.07E-02	3.59E-03	3.94E-04	9.33E-02	2.05E+00	0.00E+00	2.75E-09	3.61E-09	4.15E-04	1.09E-05	2.75E-01	0.00E+00	2.05E+00	5.11E-09	2.05E+00	2.33E+00	2.75E-01	0.00E+00	0.00E+00	0.00E+00	1.69E-02
HNS126BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS126DC	9.92E-04	4.52E-01	8.11E-02	3.71E-01	0.00E+00	0.00E+00	5.05E+00	4.91E-06	4.67E-04	2.93E-03	0.00E+00	8.56E-03	3.85E-08	1.14E-09	5.55E-02	9.32E-04	3.42E-02	6.01E-03	6.50E-04	1.54E-01	3.39E+00	0.00E+00	4.53E-09	5.95E-09	6.84E-04	1.79E-05	4.54E-01	0.00E+00	3.39E+00	8.43E-09	3.39E+00	3.84E+00	4.54E-01	0.00E+00	0.00E+00	0.00E+00	2.79E-02
HNS126DR	7.03E-04	3.20E-01	5.75E-02	2.63E-01	0.00E+00	0.00E+00	3.58E+00	3.48E-06	3.31E-04	2.08E-03	0.00E+00	6.07E-03	2.73E-08	8.05E-10	3.93E-02	6.60E-04	2.42E-02	4.22E-03	4.60E-04	1.09E-01	2.40E+00	0.00E+00	3.21E-09	4.21E-09	4.84E-04	1.27E-05	3.21E-01	0.00E+00	2.40E+00	5.97E-09	2.40E+00	2.72E+00	3.21E-01	0.00E+00	0.00E+00	0.00E+00	1.97E-02
HNS127DC	8.05E-04	3.67E-01	6.58E-02	3.01E-01	0.00E+00	0.00E+00	4.10E+00	3.98E-06	3.79E-04	2.38E-03	0.00E+00	6.95E-03	3.13E-08	9.22E-10	4.50E-02	7.56E-04	2.77E-02	4.85E-03	5.27E-04	1.25E-01	2.75E+00	0.00E+00	3.68E-09	4.83E-09	5.55E-04	1.45E-05	3.68E-01	0.00E+00	2.75E+00	6.84E-09	2.75E+00	3.12E+00	3.68E-01	0.00E+00	0.00E+00	0.00E+00	2.26E-02
HNS160BC	5.68E-04	2.59E-01	4.64E-02	2.12E-01	0.00E+00	0.00E+00	2.89E+00	2.81E-06	2.67E-04	1.68E-03	0.00E+00	4.90E-03	2.21E-08	6.50E-10	3.18E-02	5.33E-04	1.95E-02	3.41E-03	3.72E-04	8.81E-02	1.94E+00	0.00E+00	2.59E-09	3.40E-09	3.91E-04	1.02E-05	2.60E-01	0.00E+00	1.94E+00	4.83E-09	1.94E+00	2.20E+00	2.60E-01	0.00E+00	0.00E+00	0.00E+00	1.60E-02
HNS160BR	7.90E-04	3.60E-01	6.46E-02	2.96E-01	0.00E+00	0.00E+00	4.03E+00	3.91E-06	3.72E-04	2.33E-03	0.00E+00	6.82E-03	3.07E-08	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.70E+00	0.00E+00	3.61E-09	4.74E-09	5.45E-04	1.43E-05	3.61E-01	0.00E+00	2.70E+00	6.72E-09	2.70E+00	3.06E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HNS160DC	6.35E-04	2.90E-01	5.20E-02	2.38E-01	0.00E+00	0.00E+00	3.24E+00	3.14E-06	2.99E-04	1.88E-03	0.00E+00	5.48E-03	2.47E-08	7.28E-10	3.56E-02	5.97E-04	2.19E-02	3.83E-03	4.16E-04	9.86E-02	2.17E+00	0.00E+00	2.90E-09	3.81E-09	4.38E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.40E-09	2.17E+00	2.46E+00	2.91E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HNS160DR	5.09E-04	2.32E-01	4.16E-02	1.90E-01	0.00E+00	0.00E+00	2.59E+00	2.52E-06	2.40E-04	1.50E-03	0.00E+00	4.39E-03	1.98E-08	5.83E-10	2.85E-02	4.78E-04	1.75E-02	3.05E-03	3.33E-04	7.89E-02	1.74E+00	0.00E+00	2.32E-09	3.05E-09	3.51E-04	9.18E-06	2.33E-01	0.00E+00	1.74E+00	4.32E-09	1.74E+00	1.97E+00	2.33E-01	0.00E+00	0.00E+00	0.00E+00	1.43E-02
HNS161BC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS161BR	9.79E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-06	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.80E-08	1.12E-09	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-09	5.87E-09	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-09	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS161DC	8.84E-04	4.03E-01	7.23E-02	3.31E-01	0.00E+00	0.00E+00	4.50E+00	4.37E-06	4.16E-04	2.61E-03	0.00E+00	7.63E-03	3.43E-08	1.01E-09	4.95E-02	8.30E-04	3.04E-02	5.34E-03	5.79E-04	1.37E-01	3.02E+00	0.00E+00	4.04E-09	5.30E-09	6.09E-04	1.60E-05	4.04E-01	0.00E+00	3.02E+00	7.51E-09	3.02E+00	3.42E+00	4.04E-01	0.00E+00	0.00E+00	0.00E+00	2.48E-02
HNS161DR	6.33E-04	2.89E-01	5.18E-02	2.37E-01	0.00E+00	0.00E+00	3.23E+00	3.13E-06	2.98E-04	1.87E-03	0.00E+00	5.47E-03	2.46E-08	7.25E-10	3.54E-02	5.95E-04	2.18E-02	3.79E-03	4.14E-04	9.82E-02	2.16E+00	0.00E+00	2.89E-09	3.80E-09	4.37E-04	1.14E-05	2.90E-01	0.00E+00	2.16E+00	5.38E-09	2.16E+00	2.45E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HNS162DC	7.29E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-06	3.44E-04	2.15E-03	0.00E+00	6.30E-03	2.83E-08	8.35E-10	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-09	4.37E-09	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-09	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNT050DR	9.36E-04	4.27E-01	7.65E-02	3.50E-01	0.00E+00	0.00E+00	4.77E+00	4.63E-06	4.41E-04	2.76E-03	0.00E+00	8.08E-03	3.63E-08	1.07E-09	5.24E-02	8.79E-04	3.22E-02	5.65E-03	6.13E-04	1.45E-01	3.20E+00	0.00E+00	4.27E-09	5.61E-09	6.45E-04	1.69E-05	4.28E-01	0.00E+00	3.20E+00	7.95E-09	3.20E+00	3.62E+00	4.28E-01	0.00E+00	0.00E+00	0.00E+00	2.63E-02
HNT051DR	1.13E-03	5.15E-01	9.23E-02	4.22E-01	0.00E+00	0.00E+00	5.75E+00	5.58E-06	5.32E-04	3.33E-03	0.00E+00	9.74E-03	4.38E-08	1.29E-09	6.32E-02	1.06E-03	3.88E-02	6.81E-03	7.39E-04	1.75E-01	3.85E+00	0.00E+00	5.16E-09	6.77E-09	7.78E-04	2.04E-05	5.16E-01	0.00E+00	3.85E+00	9.60E-09	3.85E+00	4.37E+00	5.16E-01	0.00E+00	0.00E+00	0.00E+00	3.17E-02
HNT063DR	9.61E-04	4.38E-01	7.85E-02	3.59E-01	0.00E+00	0.00E+00	4.89E+00	4.75E-06	4.52E-04	2.84E-03	0.00E+00	8.29E-03	3.73E-08	1.10E-09	5.38E-02	9.02E-04	3.31E-02	5.81E-03	6.29E-04	1.49E-01	3.28E+00	0.00E+00	4.39E-09	5.76E-09	6.62E-04	1.73E-05	4.39E-01	0.00E+00	3.28E+00	8.16E-09	3.28E+00	3.72E+00	4.39E-01	0.00E+00	0.00E+00	0.00E+00	2.70E-02
HNT064DR	1.14E-03	5.21E-01	9.35E-02	4.28E-01	0.00E+00	0.00E+00	5.83E+00	5.66E-06	5.39E-04	3.38E-03	0.00E+00	9.87E-03	4.44E-08	1.31E-09	6.40E-02	1.07E-03	3.93E-02	6.90E-03	7.49E-04	1.77E-01	3.91E+00	0.00E+00	5.22E-09	6.86E-09	7.89E-04	2.06E-05	5.23E-01	0.00E+00	3.91E+00	9.72E-09	3.91E+00	4.43E+00	5.23E-01	0.00E+00	0.00E+00	0.00E+00	3.21E-02
HNT100BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HNT100DR	6.15E-04	2.80E-01	5.03E-02	2.30E-01	0.00E+00	0.00E+00	3.13E+00	3.04E-06	2.90E-04	1.82E-03	0.00E+00	5.31E-03	2.39E-08	7.04E-10	3.44E-02	5.77E-04	2.11E-02	3.66E-03	4.02E-04	9.53E-02	2.10E+00	0.00E+00	2.81E-09	3.68E-09	4.24E-04	1.11E-05	2.81E-01	0.00E+00	2.10E+00	5.22E-09	2.10E+00	2.38E+00	2.81E-01	0.00E+00	0.00E+00	0.00E+00	1.73E-02
HNT101BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HNT101DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HNT102DR	1.09E-03	4.99E-01	8.95E-02	4.09E-01	0.00E+00	0.00E+00	5.58E+00	5.41E-06	5.15E-04	3.23E-03	0.00E+00	9.44E-03	4.25E-08	1.25E-09	6.12E-02	1.03E-03	3.76E-02	6.60E-03	7.16E-04	1.70E-01	3.74E+00	0.00E+00	5.00E-09	6.56E-09	7.54E-04	1.98E-05	5.00E-01	0.00E+00	3.74E+00	9.30E-09	3.74E+00	4.24E+00	5.00E-01	0.00E+00	0.00E+00	0.00E+00	3.08E-02
HNT125BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HNT125DR	6.13E-04	2.79E-01	5.01E-02	2.29E-01	0.00E+00	0.00E+00	3.12E+00	3.03E-06	2.89E-04	1.81E-03	0.00E+00	5.29E-03	2.38E-08	7.02E-10	3.43E-02	5.76E-04	2.10E-02	3.65E-03	4.01E-04	9.50E-02	2.09E+00	0.00E+00	2.80E-09	3.67E-09	4.22E-04	1.11E-05	2.80E-01	0.00E+00	2.09E+00	5.21E-09	2.09E+00	2.37E+00	2.80E-01	0.00E+00	0.00E+00	0.00E+00	1.72E-02
HNT126BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HNT126DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HNT127DR	1.17E-03	5.33E-01	9.55E-02	4.37E-01	0.00E+00	0.00E+00	5.95E+00	5.78E-06	5.50E-04	3.45E-03	0.00E+00	1.01E-02	4.54E-08	1.34E-09	6.54E-02	1.10E-03	4.02E-02	7.05E-03	7.65E-04	1.81E-01	3.99E+00	0.00E+00	5.34E-09	7.00E-09	8.06E-04	2.11E-05	5.34E-01	0.00E+00	3.99E+00	9.93E-09	3.99E+00	4.52E+00	5.34E-01	0.00E+00	0.00E+00	0.00E+00	3.28E-02
HNT160BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HNT160DR	6.19E-04	2.82E-01	5.06E-02	2.31E-01	0.00E+00	0.00E+00	3.15E+00	3.06E-06	2.92E-04	1.83E-03	0.00E+00	5.34E-03	2.41E-08	7.09E-10	3.46E-02	5.82E-04	2.13E-02	3.69E-03	4.05E-04	9.60E-02	2.11E+00	0.00E+00	2.83E-09	3.71E-09	4.27E-04	1.12E-05	2.83E-01	0.00E+00	2.11E+00	5.26E-09	2.11E+00	2.40E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00	1.74E-02
HNT161BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HNT161DR	1.30E-03	5.92E-01	1.06E-01	4.86E-01	0.00E+00	0.00E+00	6.61E+00	6.42E-06	6.11E-04	3.83E-03	0.00E+00	1.12E-02	5.04E-08	1.49E-09	7.26E-02	1.22E-03	4.47E-02	7.85E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.93E-09	7.78E-09	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-08	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HNT162DR	1.38E-03	6.27E-01	1.13E-01	5.15E-01	0.00E+00	0.00E+00	7.01E+00	6.81E-06	6.48E-04	4.07E-03	0.00E+00	1.19E-02	5.34E-08	1.58E-09	7.70E-02	1.29E-03	4.74E-02	8.34E-03	9.01E-04	2.14E-01	4.70E+00	0.00E+00	6.28E-09	8.25E-09	9.49E-04	2.48E-05	6.30E-01	0.00E+00	4.70E+00	1.17E-08	4.70E+00	5.33E+00	6.30E-01	0.00E+00	0.00E+00	0.00E+00	3.87E-02
HNT200BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HNT200DR	6.16E-04	2.81E-01	5.04E-02	2.30E-01	0.00E+00	0.00E+00	3.14E+00	3.05E-06	2.90E-04	1.82E-03	0.00E+00	5.31E-03	2.39E-08	7.05E-10	3.44E-02	5.78E-04	2.11E-02	3.67E-03	4.03E-04	9.55E-02	2.10E+00	0.00E+00	2.81E-09	3.69E-09	4.24E-04	1.11E-05	2.82E-01	0.00E+00	2.10E+00	5.23E-09	2.10E+00	2.38E+00	2.82E-01	0.00E+00	0.00E+00	0.00E+00	1.73E-02
HNT201BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HNT201DR	1.16E-03	5.28E-01	9.47E-02	4.33E-01	0.00E+00	0.00E+00	5.90E+00	5.73E-06	5.46E-04	3.42E-03	0.00E+00	1.00E-02	4.50E-08	1.33E-09	6.48E-02	1.09E-03	3.99E-02	6.99E-03	7.58E-04	1.80E-01	3.96E+00	0.00E+00	5.29E-09	6.95E-09	7.99E-04	2.09E-05	5.30E-01	0.00E+00	3.96E+00	9.85E-09	3.96E+00	4.49E+00	5.30E-01	0.00E+00	0.00E+00	0.00E+00	3.26E-02
HNT202DR	1.13E-03	5.15E-01	9.23E-02	4.22E-01	0.00E+00	0.00E+00	5.75E+00	5.58E-06	5.32E-04	3.33E-03	0.00E+00	9.74E-03	4.38E-08	1.29E-09	6.32E-02	1.06E-03	3.88E-02	6.81E-03	7.39E-04	1.75E-01	3.85E+00	0.00E+00	5.16E-09	6.77E-09	7.78E-04	2.04E-05	5.16E-01	0.00E+00	3.85E+00	9.60E-09	3.85E+00	4.37E+00	5.16E-01	0.00E+00	0.00E+00	0.00E+00	3.17E-02
HNT250BR	1.02E-03	4.64E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-06	4.80E-04	3.01E-03	0.00E+00	8.79E-03	3.96E-08	1.17E-09	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.67E-04	1.58E-01	3.48E+00	0.00E+00	4.65E-09	6.11E-09	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.66E-09	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02

Use B1-B7

HNT250DR	9.14E-04	4.11E-01	7.54E-02	3.36E-01	0.00E+00	0.00E+00	4.69E+00	4.51E-06	4.33E-04	2.70E-03	0.00E+00	7.94E-03	3.58E-08	1.05E-09	5.02E-02	8.66E-04	2.95E-02	3.06E-03	5.86E-04	1.39E-01	3.12E+00	0.00E+00	4.19E-09	5.47E-09	6.32E-04	1.63E-05	4.17E-01	0.00E+00	3.12E+00	7.71E-09	3.12E+00	3.54E+00	4.17E-01	0.00E+00	0.00E+00	0.00E+00	2.52E-02
HNT251BR	1.30E-03	5.90E-01	1.06E-01	4.85E-01	0.00E+00	0.00E+00	6.60E+00	6.41E-06	6.10E-04	3.83E-03	0.00E+00	1.12E-02	5.03E-08	1.48E-09	7.25E-02	1.22E-03	4.46E-02	7.83E-03	8.48E-04	2.01E-01	4.42E+00	0.00E+00	5.91E-09	7.76E-09	8.93E-04	2.34E-05	5.92E-01	0.00E+00	4.42E+00	1.10E-08	4.42E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HNT251DR	9.01E-04	4.07E-01	7.41E-02	3.33E-01	0.00E+00	0.00E+00	4.61E+00	4.45E-06	4.26E-04	2.66E-03	0.00E+00	7.81E-03	3.52E-08	1.04E-09	4.98E-02	8.51E-04	2.97E-02	3.88E-03	5.82E-04	1.38E-01	3.07E+00	0.00E+00	4.12E-09	5.39E-09	6.22E-04	1.62E-05	4.11E-01	0.00E+00	3.07E+00	7.62E-09	3.07E+00	3.49E+00	4.11E-01	0.00E+00	0.00E+00	0.00E+00	2.50E-02
HNT252DR	1.15E-03	5.25E-01	9.41E-02	4.31E-01	0.00E+00	0.00E+00	5.87E+00	5.70E-06	5.42E-04	3.40E-03	0.00E+00	9.94E-03	4.47E-08	1.32E-09	6.44E-02	1.08E-03	3.96E-02	6.95E-03	7.54E-04	1.79E-01	3.93E+00	0.00E+00	5.26E-09	6.90E-09	7.94E-04	2.08E-05	5.27E-01	0.00E+00	3.93E+00	9.79E-09	3.93E+00	4.46E+00	5.27E-01	0.00E+00	0.00E+00	0.00E+00	3.24E-02
HNW250DR	1.69E-03	7.72E-01	1.39E-01	6.33E-01	0.00E+00	0.00E+00	8.63E+00	8.38E-06	7.98E-04	5.00E-03	0.00E+00	1.46E-02	6.58E-08	1.94E-09	9.47E-02	1.59E-03	5.81E-02	1.00E-02	1.11E-03	2.63E-01	5.78E+00	0.00E+00	7.74E-09	1.02E-08	1.17E-03	3.06E-05	7.75E-01	0.00E+00	5.78E+00	1.44E-08	5.78E+00	6.56E+00	7.75E-01	0.00E+00	0.00E+00	0.00E+00	4.76E-02
HNW251DR	1.89E-03	8.60E-01	1.54E-01	7.05E-01	0.00E+00	0.00E+00	9.62E+00	9.34E-06	8.89E-04	5.58E-03	0.00E+00	1.63E-02	7.33E-08	2.16E-09	1.06E-01	1.77E-03	6.47E-02	1.11E-02	1.23E-03	2.93E-01	6.44E+00	0.00E+00	8.62E-09	1.13E-08	1.30E-03	3.41E-05	8.63E-01	0.00E+00	6.44E+00	1.60E-08	6.44E+00	7.31E+00	8.63E-01	0.00E+00	0.00E+00	0.00E+00	5.30E-02
HNW320BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HNW320DR	1.77E-03	8.06E-01	1.45E-01	6.61E-01	0.00E+00	0.00E+00	9.01E+00	8.75E-06	8.33E-04	5.22E-03	0.00E+00	1.53E-02	6.87E-08	2.03E-09	9.89E-02	1.66E-03	6.07E-02	1.05E-02	1.16E-03	2.74E-01	6.04E+00	0.00E+00	8.08E-09	1.06E-08	1.22E-03	3.19E-05	8.09E-01	0.00E+00	6.04E+00	1.50E-08	6.04E+00	6.85E+00	8.09E-01	0.00E+00	0.00E+00	0.00E+00	4.97E-02
HNW321BR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HNW321DR	2.04E-03	9.28E-01	1.67E-01	7.61E-01	0.00E+00	0.00E+00	1.04E+01	1.01E-05	9.59E-04	6.01E-03	0.00E+00	1.76E-02	7.91E-08	2.33E-09	1.14E-01	1.91E-03	6.98E-02	1.20E-02	1.33E-03	3.16E-01	6.95E+00	0.00E+00	9.30E-09	1.22E-08	1.40E-03	3.67E-05	9.31E-01	0.00E+00	6.95E+00	1.73E-08	6.95E+00	7.88E+00	9.31E-01	0.00E+00	0.00E+00	0.00E+00	5.72E-02
HNW400DR	1.78E-03	8.12E-01	1.46E-01	6.67E-01	0.00E+00	0.00E+00	9.09E+00	8.82E-06	8.40E-04	5.27E-03	0.00E+00	1.54E-02	6.93E-08	2.04E-09	9.97E-02	1.68E-03	6.12E-02	1.06E-02	1.17E-03	2.76E-01	6.09E+00	0.00E+00	8.14E-09	1.07E-08	1.23E-03	3.22E-05	8.16E-01	0.00E+00	6.09E+00	1.52E-08	6.09E+00	6.90E+00	8.16E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-02
HNW401DR	2.01E-03	9.14E-01	1.64E-01	7.50E-01	0.00E+00	0.00E+00	1.02E+01	9.93E-06	9.45E-04	5.93E-03	0.00E+00	1.73E-02	7.80E-08	2.30E-09	1.12E-01	1.89E-03	6.88E-02	1.18E-02	1.31E-03	3.11E-01	6.85E+00	0.00E+00	9.16E-09	1.20E-08	1.38E-03	3.62E-05	9.18E-01	0.00E+00	6.85E+00	1.70E-08	6.85E+00	7.77E+00	9.18E-01	0.00E+00	0.00E+00	0.00E+00	5.63E-02
HNW500BR	2.32E-03	1.06E+00	1.90E-01	8.67E-01	0.00E+00	0.00E+00	1.18E+01	1.15E-05	1.09E-03	6.85E-03	0.00E+00	2.00E-02	9.00E-08	2.65E-09	1.30E-01	2.18E-03	7.97E-02	1.39E-02	1.52E-03	3.59E-01	7.91E+00	0.00E+00	1.06E-08	1.39E-08	1.60E-03	4.18E-05	1.06E+00	0.00E+00	7.91E+00	1.97E-08	7.91E+00	8.97E+00	1.06E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-02
HNW501BR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HPW250DR	1.59E-03	7.24E-01	1.30E-01	5.94E-01	0.00E+00	0.00E+00	8.10E+00	7.87E-06	7.49E-04	4.70E-03	0.00E+00	1.37E-02	6.18E-08	1.82E-09	8.89E-02	1.49E-03	5.46E-02	9.40E-03	1.04E-03	2.46E-01	5.43E+00	0.00E+00	7.26E-09	9.53E-09	1.10E-03	2.87E-05	7.27E-01	0.00E+00	5.43E+00	1.35E-08	5.43E+00	6.16E+00	7.27E-01	0.00E+00	0.00E+00	0.00E+00	4.46E-02
HPW251DR	1.83E-03	8.33E-01	1.50E-01	6.83E-01	0.00E+00	0.00E+00	9.32E+00	9.04E-06	8.61E-04	5.40E-03	0.00E+00	1.58E-02	7.10E-08	2.09E-09	1.02E-01	1.72E-03	6.27E-02	1.07E-02	1.20E-03	2.83E-01	6.24E+00	0.00E+00	8.35E-09	1.10E-08	1.26E-03	3.30E-05	8.36E-01	0.00E+00	6.24E+00	1.55E-08	6.24E+00	7.08E+00	8.36E-01	0.00E+00	0.00E+00	0.00E+00	5.13E-02
HPW320BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HPW320DR	1.81E-03	8.26E-01	1.48E-01	6.78E-01	0.00E+00	0.00E+00	9.24E+00	8.97E-06	8.54E-04	5.36E-03	0.00E+00	1.56E-02	7.04E-08	2.08E-09	1.01E-01	1.70E-03	6.22E-02	1.08E-02	1.19E-03	2.81E-01	6.19E+00	0.00E+00	8.28E-09	1.09E-08	1.25E-03	3.27E-05	8.29E-01	0.00E+00	6.19E+00	1.54E-08	6.19E+00	7.02E+00	8.29E-01	0.00E+00	0.00E+00	0.00E+00	5.09E-02
HPW321BR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HPW321DR	1.62E-03	7.38E-01	1.33E-01	6.05E-01	0.00E+00	0.00E+00	8.26E+00	8.02E-06	7.63E-04	4.79E-03	0.00E+00	1.40E-02	6.30E-08	1.86E-09	9.05E-02	1.52E-03	5.55E-02	9.46E-03	1.06E-03	2.51E-01	5.53E+00	0.00E+00	7.40E-09	9.71E-09	1.12E-03	2.92E-05	7.41E-01	0.00E+00	5.53E+00	1.38E-08	5.53E+00	6.27E+00	7.41E-01	0.00E+00	0.00E+00	0.00E+00	4.55E-02
HPW400DR	1.85E-03	8.42E-01	1.51E-01	6.91E-01	0.00E+00	0.00E+00	9.42E+00	9.14E-06	8.71E-04	5.46E-03	0.00E+00	1.60E-02	7.18E-08	2.12E-09	1.03E-01	1.74E-03	6.35E-02	1.10E-02	1.21E-03	2.87E-01	6.31E+00	0.00E+00	8.44E-09	1.11E-08	1.27E-03	3.34E-05	8.45E-01	0.00E+00	6.31E+00	1.57E-08	6.31E+00	7.16E+00	8.45E-01	0.00E+00	0.00E+00	0.00E+00	5.19E-02
HPW401DR	2.07E-03	9.41E-01	1.69E-01	7.72E-01	0.00E+00	0.00E+00	1.05E+01	1.02E-05	9.73E-04	6.10E-03	0.00E+00	1.78E-02	8.03E-08	2.37E-09	1.15E-01	1.94E-03	7.09E-02	1.22E-02	1.35E-03	3.20E-01	7.05E+00	0.00E+00	9.43E-09	1.24E-08	1.42E-03	3.73E-05	9.45E-01	0.00E+00	7.05E+00	1.76E-08	7.05E+00	8.00E+00	9.45E-01	0.00E+00	0.00E+00	0.00E+00	5.80E-02
HPW500BR	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HPW501BR	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HST050DR	7.13E-04	3.25E-01	5.83E-02	2.67E-01	0.00E+00	0.00E+00	3.63E+00	3.53E-06	3.36E-04	2.11E-03	0.00E+00	6.16E-03	2.77E-08	8.17E-10	3.99E-02	6.70E-04	2.45E-02	4.28E-03	4.67E-04	1.11E-01	2.43E+00	0.00E+00	3.26E-09	4.27E-09	4.92E-04	1.29E-05	3.26E-01	0.00E+00	2.43E+00	6.06E-09	2.43E+00	2.76E+00	3.26E-01	0.00E+00	0.00E+00	0.00E+00	2.00E-02
HST051DR	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HST063DR	9.16E-04	4.18E-01	7.49E-02	3.43E-01	0.00E+00	0.00E+00	4.67E+00	4.53E-06	4.31E-04	2.71E-03	0.00E+00	7.91E-03	3.56E-08	1.05E-09	5.13E-02	8.60E-04	3.15E-02	5.53E-03	6.00E-04	1.42E-01	3.13E+00	0.00E+00	4.18E-09	5.49E-09	6.31E-04	1.65E-05	4.19E-01	0.00E+00	3.13E+00	7.79E-09	3.13E+00	3.55E+00	4.19E-01	0.00E+00	0.00E+00	0.00E+00	2.57E-02
HST064DR	1.46E-03	6.68E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-06	6.90E-04	4.33E-03	0.00E+00	1.26E-02	5.69E-08	1.68E-09	8.20E-02	1.38E-03	5.04E-02	8.88E-03	9.59E-04	2.27E-01	5.00E+00	0.00E+00	6.69E-09	8.78E-09	1.01E-03	2.64E-05	6.70E-01	0.00E+00	5.00E+00	1.24E-08	5.00E+00	5.67E+00	6.70E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HST100DR	9.16E-04	4.18E-01	7.49E-02	3.43E-01	0.00E+00	0.00E+00	4.67E+00	4.53E-06	4.31E-04	2.71E-03	0.00E+00	7.91E-03	3.56E-08	1.05E-09	5.13E-02	8.60E-04	3.15E-02	5.53E-03	6.00E-04	1.42E-01	3.13E+00	0.00E+00	4.18E-09	5.49E-09	6.31E-04	1.65E-05	4.19E-01	0.00E+00	3.13E+00	7.79E-09	3.13E+00	3.55E+00	4.19E-01	0.00E+00	0.00E+00	0.00E+00	2.57E-02
HST101DR	1.46E-03	6.65E-01	1.19E-01	5.46E-01	0.00E+00	0.00E+00	7.44E+00	7.22E-06	6.87E-04	4.31E-03	0.00E+00	1.26E-02	5.67E-08	1.67E-09	8.17E-02	1.37E-03	5.02E-02	8.85E-03	9.56E-04	2.27E-01	4.98E+00	0.00E+00	6.66E-09	8.75E-09	1.01E-03	2.63E-05	6.68E-01	0.00E+00	4.98E+00	1.24E-08	4.98E+00	5.65E+00	6.68E-01	0.00E+00	0.00E+00	0.00E+00	4.10E-02
HST125DR	9.46E-04	4.31E-01	7.73E-02	3.54E-01	0.00E+00	0.00E+00	4.82E+00	4.68E-06	4.45E-04	2.79E-03	0.00E+00	8.16E-03	3.67E-08	1.08E-09	5.29E-02	8.88E-04	3.25E-02	5.71E-03	6.19E-04	1.47E-01	3.23E+00	0.00E+00	4.32E-09	5.67E-09	6.52E-04	1.71E-05	4.33E-01	0.00E+00	3.23E+00	8.04E-09	3.23E+00	3.66E+00	4.33E-01	0.00E+00	0.00E+00	0.00E+00	2.66E-02
HST126DR	9.36E-04	4.27E-01	7.65E-02	3.50E-01	0.00E+00	0.00E+00	4.77E+00	4.63E-06	4.41E-04	2.76E-03	0.00E+00	8.08E-03	3.64E-08	1.07E-09	5.24E-02	8.79E-04	3.22E-02	5.62E-03	6.12E-04	1.45E-01	3.20E+00	0.00E+00	4.27E-09	5.61E-09	6.45E-04	1.69E-05	4.28E-01	0.00E+00	3.20E+00	7.95E-09	3.20E+00	3.62E+00	4.28E-01	0.00E+00	0.00E+00	0.00E+00	2.63E-02
HST160DR	9.46E-04	4.31E-01	7.73E-02	3.54E-01	0.00E+00	0.00E+00	4.82E+00	4.68E-06	4.45E-04	2.79E-03	0.00E+00	8.16E-03	3.67E-08	1.08E-09	5.29E-02	8.88E-04	3.25E-02	5.71E-03	6.19E-04	1.47E-01	3.23E+00	0.00E+00	4.32E-09	5.67E-09	6.52E-04	1.71E-05	4.33E-01	0.00E+00	3.23E+00	8.04E-09	3.23E+00	3.66E+00	4.33E-01	0.00E+00	0.00E+00	0.00E+00	2.66E-02
HST161DR	1.14E-03	5.19E-01	9.31E-02	4.26E-01	0.00E+00	0.00E+00	5.80E+00	5.63E-06	5.36E-04	3.36E-03	0.00E+00	9.83E-03	4.42E-08	1.30E-09	6.37E-02	1.07E-03	3.92E-02	6.87E-03	7.45E-04	1.77E-01	3.89E+00	0.00E+00	5.20E-09	6.83E-09	7.85E-04	2.06E-05	5.21E-01	0.00E+00	3.89E+00	9.68E-09	3.89E+00	4.41E+00	5.21E-01	0.00E+00	0.00E+00	0.00E+00	3.20E-02
HST200DR	9.37E-04	4.27E-01	7.66E-02	3.50E-01	0.00E+00	0.00E+00	4.77E+00	4.63E-06	4.41E-04	2.77E-03	0.00E+00	8.08E-03	3.64E-08	1.07E-09	5.24E-02	8.80E-04	3.22E-02	5.66E-03	6.13E-04	1.45E-01	3.20E+00	0.00E+00	4.28E-09	5.62E-09	6.46E-04	1.69E-05	4.28E-01	0.00E+00	3.20E+00	7.96E-09	3.20E+00	3.63E+00	4.28E-01	0.00E+00	0.00E+00	0.00E+00	2.63E-02
HST201DR	1.12E-03	5.12E-01	9.19E-02	4.20E-01	0.00E+00	0.00E+00	5.73E+00	5.56E-06	5.29E-04	3.32E-03	0.00E+00	9.70E-03	4.37E-08	1.29E-09	6.29E-02	1.06E-03	3.87E-02	6.78E-03	7.36E-04	1.74E-01	3.84E+00	0.00E+00	5.13E-09	6.74E-09	7.75E-04	2.03E-05	5.14E-01	0.00E+00	3.84E+00	9.55E-09	3.84E+00	4.35E+00	5.14E-01	0.00E+00	0.00E+00	0.00E+00	3.16E-02
HST250DR	9.96E-04	4.54E-01	8.14E-02	3.73E-01	0.00E+00	0.00E+00	5.08E+00	4.93E-06	4.69E-04	2.94E-03	0.00E+00	8.60E-03	3.87E-08	1.14E-09	5.57E-02	9.36E-04	3.43E-02	6.03E-03	6.52E-04	1.55E-01	3.40E+00	0.00E+00	4.55E-09	5.97E-09	6.87E-04	1.80E-05	4.56E-01	0.00E+00	3.40E+00	8.47E-09	3.40E+00	3.86E+00	4.56E-01	0.00E+00	0.00E+00	0.00E+00	2.80E-02
HST251DR	1.12E-03	5.12E-01	9.19E-02	4.20E-01	0.00E+00	0.00E+00	5.73E+00	5.56E-06	5.29E-04	3.32E-03	0.00E+00	9.70E-03	4.37E-08	1.29E-09	6.29E-02	1.06E-03	3.87E-02	6.78E-03	7.36E-04	1.74E-01	3.84E+00	0.00E+00	5.13E-09	6.74E-09	7.75E-04	2.03E-05	5.14E-01	0.00E+00	3.84E+00	9.55E-09	3.84E+00	4.35E+00	5.14E-01	0.00E+00	0.00E+00	0.00E+00	3.16E-02
HEJ630DE	2.32E-03	1.06E+00	1.90E-01	8.67E-01	0.00E+00	0.00E+00	1.18E+01	1.15E-05	1.09E-03	6.85E-03	0.00E+00	2.00E-02	9.00E-08	2.65E-09	1.30E-01	2.18E-03	7.97E-02	1.39E-02	1.52E-03	3.59E-01	7.91E+00	0.00E+00	1.06E-08	1.39E-08	1.60E-03	4.18E-05	1.06E+00	0.00E+00	7.91E+00	1.97E-08	7.91E+00	8.97E+00	1.06E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-02
HEJ631DE	2.78E-03	1.27E+00	2.27E-01	1.04E+00	0.00E+00	0.00E+00	1.42E+01	1.37E-05	1.31E-03	8.21E-03	0.00E+00	2.40E-02	1.08E-07	3.18E-09	1.55E-01	2.61E-03	9.55E-02	1.66E-02	1.82E-03	4.31E-01	9.49E+00	0.00E+00	1.27E-08	1.67E-08	1.92E-03	5.01E-05	1.27E+00	0.00E+00	9.49E+00	2.36E-08	9.49E+00	1.08E+01	1.27E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-02
HEJ631EE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HEJ632DE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HEW630DE	2.35E-03	1.07E+00	1.92E-01	8.78E-01	0.00E+00	0.00E+00	1.20E+01	1.16E-05	1.11E-03	6.93E-03	0.00E+00	2.03E-02	9.12E-08	2.69E-09	1.31E-01	2.20E-03	8.07E-02	1.41E-02	1.54E-03	3.64E-01	8.01E+00	0.00E+00	1.07E-08	1.41E-08	1.62E-03	4.24E-05	1.07E+00	0.00E+00	8.01E+00	2.00E-08	8.01E+00	9.09E+00	1.07E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-02
HEW631DE	2.76E-03	1.26E+00	2.26E-01	1.03E+00	0.00E+00	0.00E+00	1.41E+01	1.37E-05	1.30E-03	8.16E-03	0.00E+00	2.39E-02	1.07E-07	3.16E-09	1.55E-01	2.60E-03	9.49E-02	1.65E-02	1.81E-03	4.29E-01	9.44E+00	0.00E+00	1.26E-08	1.66E-08	1.91E-03	4.99E-05	1.26E+00	0.00E+00	9.44E+00	2.35E-08	9.44E+00	1.07E+01	1.26E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-02
HEW632DE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HHJ630DE	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HHJ631EE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HHJ632DE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HHW630DE	2.67E-03	1.22E+00	2.19E-01	1.00E+00	0.00E+00	0.00E+00	1.36E+01	1.32E-05	1.26E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-09	1.50E-01	2.51E-03	9.20E-02	1.61E-02	1.75E-03	4.15E-01	9.13E+00	0.00E+00	1.22E-08	1.60E-08	1.84E-03	4.83E-05	1.22E+00	0.00E+00	9.13E+00	2.27E-08	9.13E+00	1.04E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
HHW631DE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HHW632DE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HMJ631DE	2.63E-03	1.20E+00	2.15E-01	9.83E-01	0.00E+00	0.00E+00	1.34E+01	1.30E-05	1.24E-03	7.77E-03	0.00E+00	2.27E-02	1.02E-07	3.01E-09	1.47E-01	2.47E-03	9.03E-02	1.57E-02	1.72E-03	4.08E-01	8.98E+00	0.00E+00	1.20E-08	1.58E-08	1.81E-03	4.75E-05	1.20E+00	0.00E+00	8.98E+00	2.24E-08	8.98E+00	1.02E+01	1.20E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-02
HMJ631EE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HMJ632DE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HMW630DE	2.33E-03	1.06E+00	1.91E-01	8.72E-01	0.00E+00	0.00E+00	1.19E+01	1.15E-05	1.10E-03	6.89E-03	0.00E+00	2.01E-02	9.06E-08	2.67E-09	1.30E-01	2.19E-03	8.02E-02	1.40E-02	1.53E-03	3.62E-01	7.96E+00	0.00E+00	1.07E-08	1.40E-08	1.61E-03	4.21E-05	1.07E+00	0.00E+00	7.96E+00	1.98E-08	7.96E+00	9.03E+00	1.07E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-02
HMW631DE	2.70E-03	1.23E+00	2.21E-01	1.01E+00	0.00E+00	0.00E+00	1.38E+01	1.34E-05	1.27E-03	7.99E-03	0.00E+00	2.33E-02	1.05E-07	3.10E-09	1.51E-01	2.54E-03	9.29E-02	1.61E-02	1.77E-03	4.19E-01	9.23E+00	0.00E+00	1.23E-08	1.62E-08	1.86E-03	4.88E-05	1.24E+00	0.00E+00	9.23E+00	2.30E-08	9.23E+00	1.05E+01	1.24E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-02
HMW632DE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HNJ631EE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HNJ632DE	2.69E-03	1.23E+00	2.20E-01	1.01E+00	0.00E+00	0.00E+00	1.37E+01	1.33E-05	1.27E-03	7.94E-03	0.00E+00	2.32E-02	1.04E-07	3.08E-09	1.50E-01	2.53E-03	9.24E-02	1.61E-02	1.76E-03	4.17E-01	9.18E+00	0.00E+00	1.23E-08	1.61E-08	1.85E-03	4.85E-05	1.23E+00	0.00E+00	9.18E+00	2.29E-08	9.18E+00	1.04E+01	1.23E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-02
HNW630DE	2.33E-03	1.06E+00	1.91E-01	8.72E-01	0.00E+00	0.00E+00	1.19E+01	1.15E-05	1.10E-03	6.89E-03	0.00E+00	2.01E-02	9.06E-08	2.67E-09	1.30E-01	2.19E-03	8.02E-02	1.40E-02	1.53E-03	3.62E-01	7.96E+00	0.00E+00	1.07E-08	1.40E-08	1.61E-03	4.21E-05	1.07E+00	0.00E+00	7.96E+00	1.98E-08	7.96E+00	9.03E+00	1.07E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-02
HNW631DE	2.76E-03	1.26E+00	2.26E-01	1.03E+00	0.00E+00	0.00E+00	1.41E+01	1.37E-05	1.30E-03	8.16E-03	0.00E+00	2.39E-02	1.07E-07	3.16E-09	1.55E-01	2.60E-03	9.49E-02	1.65E-02	1.81E-03	4.29E-01	9.44E+00	0.00E+00	1.26E-08	1.66E-08	1.91E-03	4.99E-05	1.26E+00	0.00E+00	9.44E+00	2.35E-08	9.44E+00	1.07E+01	1.26E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-02
HNW632DE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HPW630DE	2.30E-03	1.05E+00	1.88E-01	8.60E-01	0.00E+00	0.00E+00	1.17E+01	1.14E-05	1.08E-03	6.79E-03	0.00E+00	1.99E-02	8.93E-08	2.63E-09	1.29E-01	2.16E-03	7.90E-02	1.38E-02	1.50E-03	3.57E-01	7.85E+00	0.00E+00	1.05E-08	1.38E-08	1.59E-03	4.15E-05	1.05E+00	0.00E+00	7.85E+00	1.95E-08	7.85E+00	8.90E+00	1.05E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-02
HPW631DE	2.76E-03	1.26E+00	2.26E-01	1.03E+00	0.00E+00	0.00E+00	1.41E+01	1.37E-05	1.30E-03	8.16E-03	0.00E+00	2.39E-02	1.07E-07	3.16E-09	1.55E-01	2.60E-03	9.49E-02	1.65E-02	1.81E-03	4.29E-01	9.44E+00	0.00E+00	1.26E-08	1.66E-08	1.91E-03	4.99E-05	1.26E+00	0.00E+00	9.44E+00	2.35E-08	9.44E+00	1.07E+01	1.26E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-02
HPW632DE	3.27E-03	1.49E+00	2.67E-01	1.22E+00	0.00E+00	0.00E+00	1.67E+01	1.62E-05	1.54E-03	9.65E-03	0.00E+00	2.82E-02	1.27E-07	3.74E-09	1.83E-01	3.07E-03	1.12E-01	1.96E-02	2.14E-03	5.07E-01	1.12E+01	0.00E+00	1.49E-08	1.96E-08	2.25E-03	5.90E-05	1.49E+00	0.00E+00	1.12E+01	2.78E-08	1.12E+01	1.27E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	9.18E-02
HDA100U	8.47E-01	1.65E+02	3.04E-01	1.65E+02	0.00E+00	0.00E+00	3.12E+02	4.35E-04	1.03E-01	1.66E+00	0.00E+00	7.25E+00	2.08E-08	4.97E-07	2.38E+02	4.58E+00	0.00E+00	0.00E+00	2.98E-01	2.79E+01	4.17E+03	0.00E+00	8.01E-07	6.82E-06	3.25E-01	6.41E-03	1.10E+03	0.00E+00	4.17E+03	5.85E-05	4.17E+03	5.28E+03	1.10E+03	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HDA014E	4.49E-02	8.75E+00	1.61E-02	8.74E+00	0.00E+00	0.00E+00	1.65E+01	2.30E-05	5.46E-03	8.78E-02	0.00E+00	3.84E-01	1.10E-09	2.63E-08	1.26E+01	2.42E-01	0.00E+00	0.00E+00	1.58E-02	1.48E+00	2.21E+02	0.00E+00	4.24E-08	3.61E-07	1.72E-02	3.39E-04	5.85E+01	0.00E+00	2.21E+02	3.10E-06	2.21E+02	2.79E+02	5.85E+01	0.00E+00	0.00E+00	0.00E+00	6.71E-01
HDA014Z	4.72E-02	9.09E+00	9.16E-02	8.96E+00	0.00E+00	0.00E+00	1.49E+01	2.25E-05	5.61E-03	9.00E-02	0.00E+00	3.03E-01	1.13E-09	2.69E-08	1.23E+01	2.45E-01	0.00E+00	0.00E+00	1.62E-02	1.43E+00	2.22E+02	0.00E+00	4.07E-08	3.73E-07	1.77E-02	3.33E-04	5.44E+01	0.00E+00	2.22E+02	3.04E-06	2.22E+02	2.77E+02	5.44E+01	0.00E+00	0.00E+00	0.00E+00	6.92E-01
HDA015Z	9.19E-02	1.77E+01	1.78E-01	1.74E+01	0.00E+00	0.00E+00	2.89E+01	4.38E-05	1.09E-02	1.75E-01	0.00E+00	5.89E-01	2.20E-09	5.23E-08	2.39E+01	4.76E-01	0.00E+00	0.00E+00	3.15E-02	2.78E+00	4.32E+02	0.00E+00	7.92E-08	7.26E-07	3.45E-02	6.48E-04	1.06E+02	0.00E+00	4.32E+02	5.92E-06	4.32E+02	5.38E+02	1.06E+02	0.00E+00	0.00E+00	0.00E+00	1.35E+00
HDA016L	1.39E-01	2.68E+01	2.70E-01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E-05	1.65E-02	2.65E-01	0.00E+00	8.91E-01	3.33E-09	7.91E-08	3.62E+01	7.21E-01	0.00E+00	0.00E+00	4.77E-02	4.21E+00	6.54E+02	0.00E+00	1.20E-07	1.10E-06	5.22E-02	9.81E-04	1.60E+02	0.00E+00	6.54E+02	8.96E-06	6.54E+02	8.14E+02	1.60E+02	0.00E+00	0.00E+00	0.00E+00	2.04E+00
HDA016Z	1.39E-01	2.68E+01	2.70E-01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E-05	1.65E-02	2.65E-01	0.00E+00	8.91E-01	3.33E-09	7.91E-08	3.62E+01	7.21E-01	0.00E+00	0.00E+00	4.77E-02	4.21E+00	6.54E+02	0.00E+00	1.20E-07	1.10E-06	5.22E-02	9.81E-04	1.60E+02	0.00E+00	6.54E+02	8.96E-06	6.54E+02	8.14E+02	1.60E+02	0.00E+00	0.00E+00	0.00E+00	2.04E+00
HDA017L	1.39E-01	2.68E+01	2.70E-01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E-05	1.65E-02	2.65E-01	0.00E+00	8.91E-01	3.33E-09	7.91E-08	3.62E+01	7.21E-01	0.00E+00	0.00E+00	4.77E-02	4.21E+00	6.54E+02	0.00E+00	1.20E-07	1.10E-06	5.22E-02	9.81E-04	1.60E+02	0.00E+00	6.54E+02	8.96E-06	6.54E+02	8.14E+02	1.60E+02	0.00E+00	0.00E+00	0.00E+00	2.04E+00
HDA017Z	1.39E-01	2.68E+01	2.70E-01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E-05	1.65E-02	2.65E-01	0.00E+00	8.91E-01	3.33E-09	7.91E-08	3.62E+01	7.21E-01	0.00E+00	0.00E+00	4.77E-02	4.21E+00	6.54E+02	0.00E+00	1.20E-07	1.10E-06	5.22E-02	9.81E-04	1.60E+02	0.00E+00	6.54E+02	8.96E-06	6.54E+02	8.14E+02	1.60E+02	0.00E+00	0.00E+00	0.00E+00	2.04E+00
HDA018E	8.90E-02	1.71E+01	1.73E-01	1.69E+01	0.00E+00	0.00E+00	2.80E+01	4.24E-05	1.06E-02	1.69E-01	0.00E+00	5.70E-01	2.13E-09	5.06E-08	2.32E+01	4.61E-01	0.00E+00	0.00E+00	3.05E-02	2.69E+00	4.18E+02	0.00E+00	7.67E-08	7.03E-07	3.34E-02	6.28E-04	1.03E+02	0.00E+00	4.18E+02	5.73E-06	4.18E+02	5.21E+02	1.03E+02	0.00E+00	0.00E+00	0.00E+00	1.30E+00
HDA018Z	7.09E-02	1.36E+01	1.37E-01	1.34E+01	0.00E+00	0.00E+00	2.23E+01	3.38E-05	8.41E-03	1.35E-01	0.00E+00	4.54E-01	1.70E-09	4.03E-08	1.85E+01	3.67E-01	0.00E+00	0.00E+00	2.43E-02	2.14E+00	3.33E+02	0.00E+00	6.11E-08	5.60E-07	2.66E-02	5.00E-04	8.17E+01	0.00E+00	3.33E+02	4.56E-06	3.33E+02	4.15E+02	8.17E+01	0.00E+00	0.00E+00	0.00E+00	1.04E+00
HDA019Z	1.52E-01	2.93E+01	2.95E-01	2.89E+01	0.00E+00	0.00E+00	4.79E+01	7.26E-05	1.81E-02	2.90E-01	0.00E+00	9.75E-01	3.64E-09	8.66E-08	3.97E+01	7.89E-01	0.00E+00	0.00E+00	5.22E-02	4.60E+00	7.16E+02	0.00E+00	1.31E-07	1.20E-06	5.71E-02	1.07E-03	1.75E+02	0.00E+00	7.16E+02	9.80E-06	7.16E+02	8.91E+02	1.75E+02	0.00E+00	0.00E+00	0.00E+00	2.23E+00
HDA020L	2.28E-01	4.39E+01	4.43E-01	4.33E+01	0.00E+00	0.00E+00	7.19E+01	1.09E-04	2.71E-02	4.35E-01	0.00E+00	1.46E+00	5.47E-09	1.30E-07	5.95E+01	1.18E+00	0.00E+00	0.00E+00	7.83E-02	6.90E+00	1.07E+03	0.00E+00	1.97E-07	1.81E-06	8.57E-02	1.61E-03	2.63E+02	0.00E+00	1.07E+03	1.47E-05	1.07E+03	1.34E+03	2.63E+02	0.00E+00	0.00E+00	0.00E+00	3.34E+00
HDA020Z	2.28E-01	4.39E+01	4.43E-01	4.33E+01	0.00E+00	0.00E+00	7.19E+01	1.09E-04	2.71E-02	4.35E-01	0.00E+00	1.46E+00	5.47E-09	1.30E-07	5.95E+01	1.18E+00	0.00E+00	0.00E+00	7.83E-02	6.90E+00	1.07E+03	0.00E+00	1.97E-07	1.81E-06	8.57E-02	1.61E-03	2.63E+02	0.00E+00	1.07E+03	1.47E-05	1.07E+03	1.34E+03	2.63E+02	0.00E+00	0.00E+00	0.00E+00	3.34E+00
HDA021L	2.28E-01	4.39E+01	4.43E-01	4.33E+01	0.00E+00	0.00E+00	7.19E+01	1.09E-04	2.71E-02	4.35E-01	0.00E+00	1.46E+00	5.47E-09	1.30E-07	5.95E+01	1.18E+00	0.00E+00	0.00E+00	7.83E-02	6.90E+00	1.07E+03	0.00E+00	1.97E-07	1.81E-06	8.57E-02	1.61E-03	2.63E+02	0.00E+00	1.07E+03	1.47E-05	1.07E+03	1.34E+03	2.63E+02	0.00E+00	0.00E+00	0.00E+00	3.34E+00
HDA021Z	2.28E-01	4.39E+01	4.43E-01	4.33E+01	0.00E+00	0.00E+00	7.19E+01	1.09E-04	2.71E-02	4.35E-01	0.00E+00	1.46E+00	5.47E-09	1.30E-07	5.95E+01	1.18E+00	0.00E+00	0.00E+00	7.83E-02	6.90E+00	1.07E+03	0.00E+00	1.97E-07	1.81E-06	8.57E-02	1.61E-03	2.63E+02	0.00E+00	1.07E+03	1.47E-05	1.07E+03	1.34E+03	2.63E+02	0.00E+00	0.00E+00	0.00E+00	3.34E+00
HDA023E	1.21E-01	2.33E+01	2.35E-01	2.30E+01	0.00E+00	0.00E+00	3.82E+01	5.78E-05	1.44E-02	2.31E-01	0.00E+00	7.77E-01	2.90E-09	6.90E-08	3.16E+01	6.28E-01	0.00E+00	0.00E+00	4.16E-02	3.67E+00	5.70E+02	0.00E+00	1.05E-07	9.59E-07	4.55E-02	8.55E-04	1.40E+02	0.00E+00	5.70E+02	7.81E-06	5.70E+02	7.10E+02	1.40E+02	0.00E+00	0.00E+00	0.00E+00	1.78E+00
HDA023Z	1.13E-01	2.17E+01	2.19E-01	2.14E+01	0.00E+00	0.00E+00	3.55E+01	5.38E-05	1.34E-02	2.15E-01	0.00E+00	7.23E-01	2.70E-09	6.42E-08	2.94E+01	5.85E-01	0.00E+00	0.00E+00	3.87E-02	3.41E+00	5.30E+02	0.00E+00	9.73E-08	8.92E-07	4.23E-02	7.96E-04	1.30E+02	0.00E+00	5.30E+02	7.27E-06	5.30E+02	6.61E+02	1.30E+02	0.00E+00	0.00E+00	0.00E+00	1.65E+00
HDA024Z	2.39E-01	4.60E+01	4.63E-01	4.53E+01	0.00E+00	0.00E+00	7.52E+01	1.14E-04	2.83E-02	4.55E-01	0.00E+00	1.53E+00	5.72E-09	1.36E-07	6.22E+01	1.24E+00	0.00E+00	0.00E+00	8.19E-02	7.22E+00	1.12E+03	0.00E+00	2.06E-07	1.89E-06	8.96E-02	1.68E-03	2.75E+02	0.00E+00	1.12E+03	1.54E-05	1.12E+03	1.40E+03	2.75E+02	0.00E+00	0.00E+00	0.00E+00	3.50E+00
HDA025L	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HDA025U	3.25E-01	6.35E+01	1.17E-01	6.33E+01	0.00E+00	0.00E+00	1.20E+02	1.67E-04	3.96E-02	6.36E-01	0.00E+00	2.78E+00	7.98E-09	1.91E-07	9.12E+01	1.76E+00	0.00E+00	0.00E+00	1.14E-01	1.07E+01	1.60E+03	0.00E+00	3.07E-07	2.62E-06	1.25E-01	2.46E-03	4.24E+02	0.00E+00	1.60E+03	2.24E-05	1.60E+03	2.03E+03	4.24E+02	0.00E+00	0.00E+00	0.00E+00	4.86E+00

HDA025Z	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HDA026L	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HDA026U	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HDA026Z	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HDA030E	6.67E-02	1.30E+01	2.39E-02	1.30E+01	0.00E+00	0.00E+00	2.46E+01	3.43E-05	8.12E-03	1.30E-01	0.00E+00	5.70E-01	1.64E-09	3.91E-08	1.87E+01	3.60E-01	0.00E+00	0.00E+00	2.34E-02	2.20E+00	3.29E+02	0.00E+00	6.31E-08	5.37E-07	2.56E-02	5.04E-04	8.69E+01	0.00E+00	3.29E+02	4.60E-06	3.29E+02	4.15E+02	8.69E+01	0.00E+00	0.00E+00	0.00E+00	9.97E-01
HDA030Z	7.87E-02	1.52E+01	1.53E-01	1.49E+01	0.00E+00	0.00E+00	2.48E+01	3.76E-05	9.34E-03	1.50E-01	0.00E+00	5.04E-01	1.89E-09	4.48E-08	2.05E+01	4.08E-01	0.00E+00	0.00E+00	2.70E-02	2.38E+00	3.70E+02	0.00E+00	6.79E-08	6.22E-07	2.95E-02	5.55E-04	9.08E+01	0.00E+00	3.70E+02	5.07E-06	3.70E+02	4.61E+02	9.08E+01	0.00E+00	0.00E+00	0.00E+00	1.15E+00
HDA032L	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HDA032Z	1.99E-01	3.89E+01	7.16E-02	3.88E+01	0.00E+00	0.00E+00	7.35E+01	1.02E-04	2.43E-02	3.90E-01	0.00E+00	1.71E+00	4.89E-09	1.17E-07	5.59E+01	1.08E+00	0.00E+00	0.00E+00	7.00E-02	6.57E+00	9.82E+02	0.00E+00	1.89E-07	1.60E-06	7.64E-02	1.51E-03	2.60E+02	0.00E+00	9.82E+02	1.38E-05	9.82E+02	1.24E+03	2.60E+02	0.00E+00	0.00E+00	0.00E+00	2.98E+00
HDA033L	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HDA033Z	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HDA038Z	9.71E-02	1.87E+01	1.88E-01	1.84E+01	0.00E+00	0.00E+00	3.06E+01	4.63E-05	1.15E-02	1.85E-01	0.00E+00	6.22E-01	2.33E-09	5.52E-08	2.53E+01	5.03E-01	0.00E+00	0.00E+00	3.33E-02	2.94E+00	4.57E+02	0.00E+00	8.37E-08	7.68E-07	3.64E-02	6.85E-04	1.12E+02	0.00E+00	4.57E+02	6.25E-06	4.57E+02	5.68E+02	1.12E+02	0.00E+00	0.00E+00	0.00E+00	1.42E+00
HDA040L	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA040U	2.61E-01	5.09E+01	9.38E-02	5.09E+01	0.00E+00	0.00E+00	9.62E+01	1.34E-04	3.18E-02	5.11E-01	0.00E+00	2.23E+00	6.41E-09	1.53E-07	7.32E+01	1.41E+00	0.00E+00	0.00E+00	9.17E-02	8.60E+00	1.29E+03	0.00E+00	2.47E-07	2.10E-06	1.00E-01	1.97E-03	3.40E+02	0.00E+00	1.29E+03	1.80E-05	1.29E+03	1.63E+03	3.40E+02	0.00E+00	0.00E+00	0.00E+00	3.90E+00
HDA040Z	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA041L	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA041U	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA041Z	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA048Z	1.31E-01	2.53E+01	2.55E-01	2.49E+01	0.00E+00	0.00E+00	4.13E+01	6.26E-05	1.56E-02	2.50E-01	0.00E+00	8.41E-01	3.14E-09	7.47E-08	3.42E+01	6.80E-01	0.00E+00	0.00E+00	4.50E-02	3.97E+00	6.17E+02	0.00E+00	1.13E-07	1.04E-06	4.92E-02	9.26E-04	1.51E+02	0.00E+00	6.17E+02	8.45E-06	6.17E+02	7.68E+02	1.51E+02	0.00E+00	0.00E+00	0.00E+00	1.92E+00
HDA050L	4.54E-01	8.74E+01	8.81E-01	8.61E+01	0.00E+00	0.00E+00	1.43E+02	2.17E-04	5.39E-02	8.65E-01	0.00E+00	2.91E+00	1.09E-08	2.58E-07	1.18E+02	2.35E+00	0.00E+00	0.00E+00	1.56E-01	1.37E+01	2.13E+03	0.00E+00	3.92E-07	3.59E-06	1.70E-01	3.20E-03	5.23E+02	0.00E+00	2.13E+03	2.92E-05	2.13E+03	2.66E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HDA050Z	4.54E-01	8.74E+01	8.81E-01	8.61E+01	0.00E+00	0.00E+00	1.43E+02	2.17E-04	5.39E-02	8.65E-01	0.00E+00	2.91E+00	1.09E-08	2.58E-07	1.18E+02	2.35E+00	0.00E+00	0.00E+00	1.56E-01	1.37E+01	2.13E+03	0.00E+00	3.92E-07	3.59E-06	1.70E-01	3.20E-03	5.23E+02	0.00E+00	2.13E+03	2.92E-05	2.13E+03	2.66E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HDA051L	4.54E-01	8.74E+01	8.81E-01	8.61E+01	0.00E+00	0.00E+00	1.43E+02	2.17E-04	5.39E-02	8.65E-01	0.00E+00	2.91E+00	1.09E-08	2.58E-07	1.18E+02	2.35E+00	0.00E+00	0.00E+00	1.56E-01	1.37E+01	2.13E+03	0.00E+00	3.92E-07	3.59E-06	1.70E-01	3.20E-03	5.23E+02	0.00E+00	2.13E+03	2.92E-05	2.13E+03	2.66E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HDA051Z	4.54E-01	8.74E+01	8.81E-01	8.61E+01	0.00E+00	0.00E+00	1.43E+02	2.17E-04	5.39E-02	8.65E-01	0.00E+00	2.91E+00	1.09E-08	2.58E-07	1.18E+02	2.35E+00	0.00E+00	0.00E+00	1.56E-01	1.37E+01	2.13E+03	0.00E+00	3.92E-07	3.59E-06	1.70E-01	3.20E-03	5.23E+02	0.00E+00	2.13E+03	2.92E-05	2.13E+03	2.66E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HDA061Z	1.21E-01	2.36E+01	4.35E-02	2.36E+01	0.00E+00	0.00E+00	4.46E+01	6.22E-05	1.47E-02	2.37E-01	0.00E+00	1.04E+00	2.97E-09	7.10E-08	3.40E+01	6.54E-01	0.00E+00	0.00E+00	4.25E-02	3.99E+00	5.96E+02	0.00E+00	1.14E-07	9.74E-07	4.64E-02	9.15E-04	1.58E+02	0.00E+00	5.96E+02	8.36E-06	5.96E+02	7.54E+02	1.58E+02	0.00E+00	0.00E+00	0.00E+00	1.81E+00
HDA063L	5.59E-01	1.08E+02	1.08E+00	1.06E+02	0.00E+00	0.00E+00	1.76E+02	2.67E-04	6.63E-02	1.06E+00	0.00E+00	3.58E+00	1.34E-08	3.18E-07	1.46E+02	2.90E+00	0.00E+00	0.00E+00	1.92E-01	1.69E+01	2.63E+03	0.00E+00	4.82E-07	4.42E-06	2.10E-01	3.94E-03	6.44E+02	0.00E+00	2.63E+03	3.60E-05	2.63E+03	3.27E+03	6.44E+02	0.00E+00	0.00E+00	0.00E+00	8.19E+00
HDA063U	7.12E-01	1.39E+02	2.56E-01	1.39E+02	0.00E+00	0.00E+00	2.62E+02	3.66E-04	8.67E-02	1.39E+00	0.00E+00	6.09E+00	1.75E-08	4.17E-07	2.00E+02	3.85E+00	0.00E+00	0.00E+00	2.50E-01	2.35E+01	3.51E+03	0.00E+00	6.73E-07	5.73E-06	2.73E-01	5.38E-03	9.28E+02	0.00E+00	3.51E+03	4.92E-05	3.51E+03	4.44E+03	9.28E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HDA063Z	5.05E-01	9.87E+01	1.82E-01	9.85E+01	0.00E+00	0.00E+00	1.86E+02	2.60E-04	6.16E-02	9.89E-01	0.00E+00	4.32E+00	1.24E-08	2.96E-07	1.42E+02	2.73E+00	0.00E+00	0.00E+00	1.78E-01	1.67E+01	2.49E+03	0.00E+00	4.78E-07	4.07E-06	1.94E-01	3.82E-03	6.59E+02	0.00E+00	2.49E+03	3.49E-05	2.49E+03	3.15E+03	6.59E+02	0.00E+00	0.00E+00	0.00E+00	7.56E+00
HDA064L	5.59E-01	1.08E+02	1.08E+00	1.06E+02	0.00E+00	0.00E+00	1.76E+02	2.67E-04	6.63E-02	1.06E+00	0.00E+00	3.58E+00	1.34E-08	3.18E-07	1.46E+02	2.90E+00	0.00E+00	0.00E+00	1.92E-01	1.69E+01	2.63E+03	0.00E+00	4.82E-07	4.42E-06	2.10E-01	3.94E-03	6.44E+02	0.00E+00	2.63E+03	3.60E-05	2.63E+03	3.27E+03	6.44E+02	0.00E+00	0.00E+00	0.00E+00	8.19E+00
HDA064U	7.87E-01	1.52E+02	1.53E+00	1.49E+02	0.00E+00	0.00E+00	2.48E+02	3.76E-04	9.34E-02	1.50E+00	0.00E+00	5.04E+00	1.89E-08	4.48E-07	2.05E+02	4.08E+00	0.00E+00	0.00E+00	2.70E-01	2.38E+01	3.70E+03	0.00E+00	6.79E-07	6.22E-06	2.95E-01	5.55E-03	9.08E+02	0.00E+00	3.70E+03	5.07E-05	3.70E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.15E+01
HDA064Z	5.59E-01	1.08E+02	1.08E+00	1.06E+02	0.00E+00	0.00E+00	1.76E+02	2.67E-04	6.63E-02	1.06E+00	0.00E+00	3.58E+00	1.34E-08	3.18E-07	1.46E+02	2.90E+00	0.00E+00	0.00E+00	1.92E-01	1.69E+01	2.63E+03	0.00E+00	4.82E-07	4.42E-06	2.10E-01	3.94E-03	6.44E+02	0.00E+00	2.63E+03	3.60E-05	2.63E+03	3.27E+03	6.44E+02	0.00E+00	0.00E+00	0.00E+00	8.19E+00
HDA078Z	1.14E-01	2.22E+01	4.09E-02	2.22E+01	0.00E+00	0.00E+00	4.20E+01	5.85E-05	1.39E-02	2.23E-01	0.00E+00	9.74E-01	2.80E-09	6.68E-08	3.20E+01	6.15E-01	0.00E+00	0.00E+00	4.00E-02	3.75E+00	5.61E+02	0.00E+00	1.08E-07	9.17E-07	4.37E-02	8.61E-04	1.49E+02	0.00E+00	5.61E+02	7.86E-06	5.61E+02	7.10E+02	1.49E+02	0.00E+00	0.00E+00	0.00E+00	1.70E+00
HDA080L	4.96E-01	9.55E+01	9.62E-01	9.40E+01	0.00E+00	0.00E+00	1.56E+02	2.37E-04	5.89E-02	9.45E-01	0.00E+00	3.18E+00	1.19E-08	2.82E-07	1.29E+02	2.57E+00	0.00E+00	0.00E+00	1.70E-01	1.50E+01	2.33E+03	0.00E+00	4.28E-07	3.92E-06	1.86E-01	3.50E-03	5.72E+02	0.00E+00	2.33E+03	3.19E-05	2.33E+03	2.90E+03	5.72E+02	0.00E+00	0.00E+00	0.00E+00	7.26E+00
HDA080U	7.62E-01	1.49E+02	2.74E-01	1.48E+02	0.00E+00	0.00E+00	2.81E+02	3.91E-04	9.28E-02	1.49E+00	0.00E+00	6.52E+00	1.87E-08	4.47E-07	2.14E+02	4.11E+00	0.00E+00	0.00E+00	2.68E-01	2.51E+01	3.75E+03	0.00E+00	7.20E-07	6.13E-06	2.92E-01	5.76E-03	9.93E+02	0.00E+00	3.75E+03	5.26E-05	3.75E+03	4.75E+03	9.93E+02	0.00E+00	0.00E+00	0.00E+00	1.14E+01
HDA080Z	4.96E-01	9.55E+01	9.62E-01	9.40E+01	0.00E+00	0.00E+00	1.56E+02	2.37E-04	5.89E-02	9.45E-01	0.00E+00	3.18E+00	1.19E-08	2.82E-07	1.29E+02	2.57E+00	0.00E+00	0.00E+00	1.70E-01	1.50E+01	2.33E+03	0.00E+00	4.28E-07	3.92E-06	1.86E-01	3.50E-03	5.72E+02	0.00E+00	2.33E+03	3.19E-05	2.33E+03	2.90E+03	5.72E+02	0.00E+00	0.00E+00	0.00E+00	7.26E+00
HDA081L	4.96E-01	9.55E+01	9.62E-01	9.40E+01	0.00E+00	0.00E+00	1.56E+02	2.37E-04	5.89E-02	9.45E-01	0.00E+00	3.18E+00	1.19E-08	2.82E-07	1.29E+02	2.57E+00	0.00E+00	0.00E+00	1.70E-01	1.50E+01	2.33E+03	0.00E+00	4.28E-07	3.92E-06	1.86E-01	3.50E-03	5.72E+02	0.00E+00	2.33E+03	3.19E-05	2.33E+03	2.90E+03	5.72E+02	0.00E+00	0.00E+00	0.00E+00	7.26E+00
HDA081U	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HDA081Z	4.96E-01	9.55E+01	9.62E-01	9.40E+01	0.00E+00	0.00E+00	1.56E+02	2.37E-04	5.89E-02	9.45E-01	0.00E+00	3.18E+00	1.19E-08	2.82E-07	1.29E+02	2.57E+00	0.00E+00	0.00E+00	1.70E-01	1.50E+01	2.33E+03	0.00E+00	4.28E-07	3.92E-06	1.86E-01	3.50E-03	5.72E+02	0.00E+00	2.33E+03	3.19E-05	2.33E+03	2.90E+03	5.72E+02	0.00E+00	0.00E+00	0.00E+00	7.26E+00
HDA098Z	1.99E-01	3.89E+01	7.16E-02	3.88E+01	0.00E+00	0.00E+00	7.35E+01	1.02E-04	2.43E-02	3.90E-01	0.00E+00	1.71E+00	4.89E-09	1.17E-07	5.59E+01	1.08E+00	0.00E+00	0.00E+00	7.00E-02	6.57E+00	9.82E+02	0.00E+00	1.89E-07	1.60E-06	7.64E-02	1.51E-03	2.60E+02	0.00E+00	9.82E+02	1.38E-05	9.82E+02	1.24E+03	2.60E+02	0.00E+00	0.00E+00	0.00E+00	2.98E+00
HDA100L	1.02E+00	1.97E+02	1.99E+00	1.94E+02	0.00E+00	0.00E+00	3.22E+02	4.88E-04	1.21E-01	1.95E+00	0.00E+00	6.56E+00	2.45E-08	5.82E-07	2.67E+02	5.30E+00	0.00E+00	0.00E+00	3.51E-01	3.09E+01	4.81E+03	0.00E+00	8.83E-07	8.09E-06	3.84E-01	7.22E-03	1.18E+03	0.00E+00	4.81E+03	6.59E-05	4.81E+03	5.99E+03	1.18E+03	0.00E+00	0.00E+00	0.00E+00	1.50E+01
HDA100Z	9.26E-01	1.81E+02	3.32E-01	1.80E+02	0.00E+00	0.00E+00	3.41E+02	4.76E-04	1.13E-01	1.81E+00	0.00E+00	7.92E+00	2.27E-08	5.43E-07	2.60E+02	5.00E+00	0.00E+00	0.00E+00	3.25E-01	3.05E+01	4.56E+03	0.00E+00	8.75E-07	7.45E-06	3.55E-01	7.00E-03	1.21E+03	0.00E+00	4.56E+03	6.39E-05	4.56E+03	5.77E+03	1.21E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HDA101L	1.02E+00	1.97E+02	1.99E+00	1.94E+02	0.00E+00	0.00E+00	3.22E+02	4.88E-04	1.21E-01	1.95E+00	0.00E+00	6.56E+00	2.45E-08	5.82E-07	2.67E+02	5.30E+00	0.00E+00	0.00E+00	3.51E-01	3.09E+01	4.81E+03	0.00E+00	8.83E-07	8.09E-06	3.84E-01	7.22E-03	1.18E+03	0.00E+00	4.81E+03	6.59E-05	4.81E+03	5.99E+03	1.18E+03	0.00E+00	0.00E+00	0.00E+00	1.50E+01
HDA101U	9.37E-01	1.80E+02	1.82E+00	1.78E+02	0.00E+00	0.00E+00	2.95E+02	4.47E-04	1.11E-01	1.78E+00	0.00E+00	6.00E+00	2.24E-08	5.33E-07	2.44E+02	4.86E+00	0.00E+00	0.00E+00	3.21E-01	2.83E+01	4.40E+03	0.00E+00	8.08E-07	7.41E-06	3.52E-01	6.61E-03	1.08E+03	0.00E+00	4.40E+03	6.03E-05	4.40E+03	5.48E+03	1.08E+03	0.00E+00	0.00E+00	0.00E+00	1.37E+01
HDA101Z	1.02E+00	1.97E+02	1.99E+00	1.94E+02	0.00E+00	0.00E+00	3.22E+02	4.88E-04	1.21E-01	1.95E+00	0.00E+00	6.56E+00	2.45E-08	5.82E-07	2.67E+02	5.30E+00	0.00E+00	0.00E+00	3.51E-01	3.09E+01	4.81E+03	0.00E+00	8.83E-07	8.09E-06	3.84E-01	7.22E-03	1.18E+03	0.00E+00	4.81E+03	6.59E-05	4.81E+03	5.99E+03	1.18E+03	0.00E+00	0.00E+00	0.00E+00	1.50E+01
HDA123Z	3.07E-01	5.91E+01	5.96E-01	5.82E+01	0.00E+00	0.00E+00	9.67E+01	1.46E-04	3.64E-02	5.85E-01	0.00E+00	1.97E+00	7.35E-09	1.75E-07	8.00E+01	1.59E+00	0.00E+00	0.00E+00	1.05E-01	9.28E+00	1.44E+03	0.00E+00	2.65E-07	2.43E-06	1.15E-01	2.17E-03	3.54E+02	0.00E+00	1.44E+03	1.98E-05	1.44E+03	1.80E+03	3.54E+02	0.00E+00	0.00E+00	0.00E+00	4.50E+00
HDA125L	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HDA125U	7.83E-01	1.53E+02	2.81E-01	1.53E+02	0.00E+00	0.00E+00	2.89E+02	4.02E-04	9.54E-02	1.53E+00	0.00E+00	6.70E+00	1.92E-08	4.59E-07	2.20E+02	4.23E+00	0.00E+00	0.00E+00	2.75E-01	2.58E+01	3.86E+03	0.00E+00	7.41E-07	6.30E-06	3.00E-01	5.92E-03	1.02E+03	0.00E+00	3.86E+03	5.41E-05	3.86E+03	4.88E+03	1.02E+03	0.00E+00	0.00E+00	0.00E+00	1.17E+01
HDA125Z	7.83E-01	1.53E+02	2.81E-01	1.53E+02	0.00E+00	0.00E+00	2.89E+02	4.02E-04	9.54E-02	1.53E+00	0.00E+00	6.70E+00	1.92E-08	4.59E-07	2.20E+02	4.23E+00	0.00E+00	0.00E+00	2.75E-01	2.58E+01	3.86E+03	0.00E+00	7.41E-07	6.30E-06	3.00E-01	5.92E-03	1.02E+03	0.00E+00	3.86E+03	5.41E-05	3.86E+03	4.88E+03	1.02E+03	0.00E+00	0.00E+00	0.00E+00	1.17E+01
HDA126L	7.83E-01	1.53E+02	2.81E-01	1.53E+02	0.00E+00	0.00E+00	2.89E+02	4.02E-04	9.54E-02	1.53E+00	0.00E+00	6.70E+00	1.92E-08	4.59E-07	2.20E+02	4.23E+00	0.00E+00	0.00E+00	2.75E-01	2.58E+01	3.86E+03	0.00E+00	7.41E-07	6.30E-06	3.00E-01	5.92E-03	1.02E+03	0.00E+00	3.86E+03	5.41E-05	3.86E+03	4.88E+03	1.02E+03	0.00E+00	0.00E+00	0.00E+00	1.17E+01
HDA126U	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HDA126Z	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HDA160L	1.04E+00	2.03E+02	3.73E-01	2.02E+02	0.00E+00	0.00E+00	3.83E+02	5.34E-04	1.27E-01	2.03E+00	0.00E+00	8.89E+00	2.55E-08	6.09E-07	2.92E+02	5.61E+00	0.00E+00	0.00E+00	3.65E-01	3.43E+01	5.12E+03	0.00E+00	9.83E-07	8.37E-06	3.98E-01	7.86E-03	1.36E+03	0.00E+00	5.12E+03	7.18E-05	5.12E+03	6.48E+03	1.36E+03	0.00E+00	0.00E+00	0.00E+00	1.55E+01
HDA160U	1.04E+00	2.03E+02	3.73E-01	2.02E+02	0.00E+00	0.00E+00	3.83E+02	5.34E-04	1.27E-01	2.03E+00	0.00E+00	8.89E+00	2.55E-08	6.09E-07	2.92E+02	5.61E+00	0.00E+00	0.00E+00	3.65E-01	3.43E+01	5.12E+03	0.00E+00	9.83E-07	8.37E-06	3.98E-01	7.86E-03	1.36E+03	0.00E+00	5.12E+03	7.18E-05	5.12E+03	6.48E+03	1.36E+03	0.00E+00	0.00E+00	0.00E+00	1.55E+01
HDA160Z	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HDA161L	1.22E+00	2.33E+02	5.14E+00	2.27E+02	0.00E+00	0.00E+00	3.49E+02	5.57E-04	1.42E-01	2.28E+00	0.00E+00	6.42E+00	2.88E-08	6.82E-07	3.04E+02	6.17E+00	0.00E+00	0.00E+00	4.12E-01	3.51E+01	5.58E+03	0.00E+00	9.96E-07	9.53E-06	4.52E-01	8.26E-03	1.31E+03	0.00E+00	5.58E+03	7.54E-05	5.58E+03	6.89E+03	1.31E+03	0.00E+00	0.00E+00	0.00E+00	1.76E+01
HDA161U	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HDA161Z	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HDS014EC	4.96E-02	9.55E+00	9.62E-02	9.41E+00	0.00E+00	0.00E+00	1.56E+01	2.37E-05	5.89E-03	9.45E-02	0.00E+00	3.18E-01	1.19E-09	2.82E-08	1.29E+01	2.57E-01	0.00E+00	0.00E+00	1.70E-02	1.50E+00	2.33E+02	0.00E+00	4.28E-08	3.92E-07	1.86E-02	3.50E-04	5.72E+01	0.00E+00	2.33E+02	3.19E-06	2.33E+02	2.90E+02	5.72E+01	0.00E+00	0.00E+00	0.00E+00	7.27E-01
HDS018EC	8.90E-02	1.71E+01	1.73E-01	1.69E+01	0.00E+00	0.00E+00	2.80E+01	4.24E-05	1.06E-02	1.69E-01	0.00E+00	5.70E-01	2.13E-09	5.06E-08	2.32E+01	4.61E-01	0.00E+00	0.00E+00	3.05E-02	2.69E+00	4.18E+02	0.00E+00	7.67E-08	7.03E-07	3.34E-02	6.28E-04	1.03E+02	0.00E+00	4.18E+02	5.73E-06	4.18E+02	5.21E+02	1.03E+02	0.00E+00	0.00E+00	0.00E+00	1.30E+00
HDS023EC	1.21E-01	2.33E+01	2.35E-01	2.30E+01	0.00E+00	0.00E+00	3.82E+01	5.78E-05	1.44E-02	2.31E-01	0.00E+00	7.77E-01	2.90E-09	6.90E-08	3.16E+01	6.28E-01	0.00E+00	0.00E+00	4.16E-02	3.67E+00	5.70E+02	0.00E+00	1.05E-07	9.59E-07	4.55E-02	8.55E-04	1.40E+02	0.00E+00	5.70E+02	7.81E-06	5.70E+02	7.10E+02	1.40E+02	0.00E+00	0.00E+00	0.00E+00	1.78E+00
HDS030EC	7.37E-02	1.42E+01	1.43E-01	1.40E+01	0.00E+00	0.00E+00	2.32E+01	3.52E-05	8.75E-03	1.40E-01	0.00E+00	4.72E-01	1.77E-09	4.20E-08	1.92E+01	3.82E-01	0.00E+00	0.00E+00	2.53E-02	2.23E+00	3.47E+02	0.00E+00	6.36E-08	5.83E-07	2.77E-02	5.20E-04	8.50E+01	0.00E+00	3.47E+02	4.75E-06	3.47E+02	4.32E+02	8.50E+01	0.00E+00	0.00E+00	0.00E+00	1.08E+00
HDS038EC	9.71E-02	1.87E+01	1.88E-01	1.84E+01	0.00E+00	0.00E+00	3.06E+01	4.63E-05	1.15E-02	1.85E-01	0.00E+00	6.22E-01	2.33E-09	5.52E-08	2.53E+01	5.03E-01	0.00E+00	0.00E+00	3.33E-02	2.94E+00	4.57E+02	0.00E+00	8.37E-08	7.68E-07	3.64E-02	6.85E-04	1.12E+02	0.00E+00	4.57E+02	6.25E-06	4.57E+02	5.68E+02	1.12E+02	0.00E+00	0.00E+00	0.00E+00	1.42E+00
HDS048EC	1.31E-01	2.53E+01	2.55E-01	2.49E+01	0.00E+00	0.00E+00	4.13E+01	6.26E-05	1.56E-02	2.50E-01	0.00E+00	8.41E-01	3.14E-09	7.47E-08	3.42E+01	6.80E-01	0.00E+00	0.00E+00	4.50E-02	3.97E+00	6.17E+02	0.00E+00	1.13E-07	1.04E-06	4.92E-02	9.26E-04	1.51E+02	0.00E+00	6.17E+02	8.45E-06	6.17E+02	7.68E+02	1.51E+02	0.00E+00	0.00E+00	0.00E+00	1.92E+00
HDS061EC	1.34E-01	2.58E+01	2.60E-01	2.54E+01	0.00E+00	0.00E+00	4.21E+01	6.38E-05	1.59E-02	2.55E-01	0.00E+00	8.58E-01	3.20E-09	7.61E-08	3.49E+01	6.94E-01	0.00E+00	0.00E+00	4.59E-02	4.05E+00	6.29E+02	0.00E+00	1.15E-07	1.06E-06	5.02E-02	9.44E-04	1.54E+02	0.00E+00	6.29E+02	8.62E-06	6.29E+02	7.83E+02	1.54E+02	0.00E+00	0.00E+00	0.00E+00	1.96E+00
HDS078EC	1.26E-01	2.42E+01	2.44E-01	2.39E+01	0.00E+00	0.00E+00	3.97E+01	6.01E-05	1.49E-02	2.40E-01	0.00E+00	8.07E-01	3.02E-09	7.17E-08	3.28E+01	6.53E-01	0.00E+00	0.00E+00	4.32E-02	3.81E+00	5.92E+02	0.00E+00	1.09E-07	9.96E-07	4.73E-02	8.89E-04	1.45E+02	0.00E+00	5.92E+02	8.11E-06	5.92E+02	7.37E+02	1.45E+02	0.00E+00	0.00E+00	0.00E+00	1.84E+00
HDS098EC	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HDS123EC	3.07E-01	5.91E+01	5.96E-01	5.82E+01	0.00E+00	0.00E+00	9.67E+01	1.46E-04	3.64E-02	5.85E-01	0.00E+00	1.97E+00	7.35E-09	1.75E-07	8.00E+01	1.59E+00	0.00E+00	0.00E+00	1.05E-01	9.28E+00	1.44E+03	0.00E+00	2.65E-07	2.43E-06	1.15E-01	2.17E-03	3.54E+02	0.00E+00	1.44E+03	1.98E-05	1.44E+03	1.80E+03	3.54E+02	0.00E+00	0.00E+00	0.00E+00	4.50E+00
HEJ250DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HEJ251DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HEJ320BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HEJ320DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HEJ321BR	1.78E+00	3.47E+02	6.39E-01	3.47E+02	0.00E+00	0.00E+00	6.56E+02	9.14E-04	2.17E-01	3.48E+00	0.00E+00	1.52E+01	4.37E-08	1.04E-06	4.99E+02	9.61E+00	0.00E+00	0.00E+00	6.25E-01	5.87E+01	8.77E+03	0.00E+00	1.68E-06	1.43E-05	6.82E-01	1.35E-02	2.32E+03	0.00E+00	8.77E+03	1.23E-04	8.77E+03	1.11E+04	2.32E+03	0.00E+00	0.00E+00	0.00E+00	2.66E+01
HEJ321DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HEJ400DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HEJ401DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HEJ500BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HES025BC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HES025BR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HES025DC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HES025DR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HES026BC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HES026BR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HES026DC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HES026DR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HES040BC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HES040BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HES040DC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01

HES040DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HES041BC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HES041BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HES041DC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HES041DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HES050BC	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HES050BR	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HES051BC	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HES051BR	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HES063BC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HES063BR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HES063DC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HES063DR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HES064BC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HES064BR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HES064DC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HES064DR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HES080BC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HES080BR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HES080DC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HES080DR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HES081BC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HES081BR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HES081DC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HES081DR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HES100BC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HES100BR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HES100DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HES100DR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HES101BC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HES101BR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HES101DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HES101DR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HES102DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HES125BC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HES125BR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HES125DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HES125DR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HES126BC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HES126BR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HES126DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HES126DR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HES127DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HES160BC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HES160BR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HES160DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HES160DR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HES161BC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HES161BR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HES161DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HES161DR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HES162DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HET050DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HET051DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HET063DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HET064DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HET100BR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HET100DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HET101BR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HET101DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HET102DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HET125BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HET125DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HET126BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HET126DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HET127DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HET160BR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HET160DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HET161BR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HET161DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HET162DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HET200BR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HET200DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HET201BR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HET201DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HET202DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HET250BR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HET250DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HET251BR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HET251DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HET252DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HEW250DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HEW251DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HEW320BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HEW320DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01

HEW321BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HEW321DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HEW400DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HEW401DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HEW500BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HEW501BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HHA014E	4.96E-02	9.55E+00	9.62E-02	9.41E+00	0.00E+00	0.00E+00	1.56E+01	2.37E-05	5.89E-03	9.45E-02	0.00E+00	3.18E-01	1.19E-09	2.82E-08	1.29E+01	2.57E-01	0.00E+00	0.00E+00	1.70E-02	1.50E+00	2.33E+02	0.00E+00	4.28E-08	3.92E-07	1.86E-02	3.50E-04	5.72E+01	0.00E+00	2.33E+02	3.19E-06	2.33E+02	2.90E+02	5.72E+01	0.00E+00	0.00E+00	0.00E+00	7.27E-01
HHA014Z	4.72E-02	9.09E+00	9.16E-02	8.96E+00	0.00E+00	0.00E+00	1.49E+01	2.25E-05	5.61E-03	9.00E-02	0.00E+00	3.03E-01	1.13E-09	2.69E-08	1.23E+01	2.45E-01	0.00E+00	0.00E+00	1.62E-02	1.43E+00	2.22E+02	0.00E+00	4.07E-08	3.73E-07	1.77E-02	3.33E-04	5.44E+01	0.00E+00	2.22E+02	3.04E-06	2.22E+02	2.77E+02	5.44E+01	0.00E+00	0.00E+00	0.00E+00	6.92E-01
HHA016Z	1.39E-01	2.68E+01	2.70E-01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E-05	1.65E-02	2.65E-01	0.00E+00	8.91E-01	3.33E-09	7.91E-08	3.62E+01	7.21E-01	0.00E+00	0.00E+00	4.77E-02	4.21E+00	6.54E+02	0.00E+00	1.20E-07	1.10E-06	5.22E-02	9.81E-04	1.60E+02	0.00E+00	6.54E+02	8.96E-06	6.54E+02	8.14E+02	1.60E+02	0.00E+00	0.00E+00	0.00E+00	2.04E+00
HHA017Z	1.39E-01	2.68E+01	2.70E-01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E-05	1.65E-02	2.65E-01	0.00E+00	8.91E-01	3.33E-09	7.91E-08	3.62E+01	7.21E-01	0.00E+00	0.00E+00	4.77E-02	4.21E+00	6.54E+02	0.00E+00	1.20E-07	1.10E-06	5.22E-02	9.81E-04	1.60E+02	0.00E+00	6.54E+02	8.96E-06	6.54E+02	8.14E+02	1.60E+02	0.00E+00	0.00E+00	0.00E+00	2.04E+00
HHA018E	8.90E-02	1.71E+01	1.73E-01	1.69E+01	0.00E+00	0.00E+00	2.80E+01	4.24E-05	1.06E-02	1.69E-01	0.00E+00	5.70E-01	2.13E-09	5.06E-08	2.32E+01	4.61E-01	0.00E+00	0.00E+00	3.05E-02	2.69E+00	4.18E+02	0.00E+00	7.67E-08	7.03E-07	3.34E-02	6.28E-04	1.03E+02	0.00E+00	4.18E+02	5.73E-06	4.18E+02	5.21E+02	1.03E+02	0.00E+00	0.00E+00	0.00E+00	1.30E+00
HHA018Z	7.09E-02	1.36E+01	1.37E-01	1.34E+01	0.00E+00	0.00E+00	2.23E+01	3.38E-05	8.41E-03	1.35E-01	0.00E+00	4.54E-01	1.70E-09	4.03E-08	1.85E+01	3.67E-01	0.00E+00	0.00E+00	2.43E-02	2.14E+00	3.33E+02	0.00E+00	6.11E-08	5.60E-07	2.66E-02	5.00E-04	8.17E+01	0.00E+00	3.33E+02	4.56E-06	3.33E+02	4.15E+02	8.17E+01	0.00E+00	0.00E+00	0.00E+00	1.04E+00
HHA020Z	2.28E-01	4.39E+01	4.43E-01	4.33E+01	0.00E+00	0.00E+00	7.19E+01	1.09E-04	2.71E-02	4.35E-01	0.00E+00	1.46E+00	5.47E-09	1.30E-07	5.95E+01	1.18E+00	0.00E+00	0.00E+00	7.83E-02	6.90E+00	1.07E+03	0.00E+00	1.97E-07	1.81E-06	8.57E-02	1.61E-03	2.63E+02	0.00E+00	1.07E+03	1.47E-05	1.07E+03	1.34E+03	2.63E+02	0.00E+00	0.00E+00	0.00E+00	3.34E+00
HHA021Z	2.28E-01	4.39E+01	4.43E-01	4.33E+01	0.00E+00	0.00E+00	7.19E+01	1.09E-04	2.71E-02	4.35E-01	0.00E+00	1.46E+00	5.47E-09	1.30E-07	5.95E+01	1.18E+00	0.00E+00	0.00E+00	7.83E-02	6.90E+00	1.07E+03	0.00E+00	1.97E-07	1.81E-06	8.57E-02	1.61E-03	2.63E+02	0.00E+00	1.07E+03	1.47E-05	1.07E+03	1.34E+03	2.63E+02	0.00E+00	0.00E+00	0.00E+00	3.34E+00
HHA023E	1.21E-01	2.33E+01	2.35E-01	2.30E+01	0.00E+00	0.00E+00	3.82E+01	5.78E-05	1.44E-02	2.31E-01	0.00E+00	7.77E-01	2.90E-09	6.90E-08	3.16E+01	6.28E-01	0.00E+00	0.00E+00	4.16E-02	3.67E+00	5.70E+02	0.00E+00	1.05E-07	9.59E-07	4.55E-02	8.55E-04	1.40E+02	0.00E+00	5.70E+02	7.81E-06	5.70E+02	7.10E+02	1.40E+02	0.00E+00	0.00E+00	0.00E+00	1.78E+00
HHA023Z	1.13E-01	2.17E+01	2.19E-01	2.14E+01	0.00E+00	0.00E+00	3.55E+01	5.38E-05	1.34E-02	2.15E-01	0.00E+00	7.23E-01	2.70E-09	6.42E-08	2.94E+01	5.85E-01	0.00E+00	0.00E+00	3.87E-02	3.41E+00	5.30E+02	0.00E+00	9.73E-08	8.92E-07	4.23E-02	7.96E-04	1.30E+02	0.00E+00	5.30E+02	7.27E-06	5.30E+02	6.61E+02	1.30E+02	0.00E+00	0.00E+00	0.00E+00	1.65E+00
HHA025H	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HHA025U	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HHA025Z	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HHA026H	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HHA026U	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HHA026Z	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HHA030E	7.37E-02	1.42E+01	1.43E-01	1.40E+01	0.00E+00	0.00E+00	2.32E+01	3.52E-05	8.75E-03	1.40E-01	0.00E+00	4.72E-01	1.77E-09	4.20E-08	1.92E+01	3.82E-01	0.00E+00	0.00E+00	2.53E-02	2.23E+00	3.47E+02	0.00E+00	6.36E-08	5.83E-07	2.77E-02	5.20E-04	8.50E+01	0.00E+00	3.47E+02	4.75E-06	3.47E+02	4.32E+02	8.50E+01	0.00E+00	0.00E+00	0.00E+00	1.08E+00
HHA030Z	7.87E-02	1.52E+01	1.53E-01	1.49E+01	0.00E+00	0.00E+00	2.48E+01	3.76E-05	9.34E-03	1.50E-01	0.00E+00	5.04E-01	1.89E-09	4.48E-08	2.05E+01	4.08E-01	0.00E+00	0.00E+00	2.70E-02	2.38E+00	3.70E+02	0.00E+00	6.79E-08	6.22E-07	2.95E-02	5.55E-04	9.08E+01	0.00E+00	3.70E+02	5.07E-06	3.70E+02	4.61E+02	9.08E+01	0.00E+00	0.00E+00	0.00E+00	1.15E+00
HHA032Z	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HHA033Z	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HHA038Z	9.71E-02	1.87E+01	1.88E-01	1.84E+01	0.00E+00	0.00E+00	3.06E+01	4.63E-05	1.15E-02	1.85E-01	0.00E+00	6.22E-01	2.33E-09	5.52E-08	2.53E+01	5.03E-01	0.00E+00	0.00E+00	3.33E-02	2.94E+00	4.57E+02	0.00E+00	8.37E-08	7.68E-07	3.64E-02	6.85E-04	1.12E+02	0.00E+00	4.57E+02	6.25E-06	4.57E+02	5.68E+02	1.12E+02	0.00E+00	0.00E+00	0.00E+00	1.42E+00
HHA040H	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HHA040U	2.61E-01	5.09E+01	9.38E-02	5.09E+01	0.00E+00	0.00E+00	9.62E+01	1.34E-04	3.18E-02	5.11E-01	0.00E+00	2.23E+00	6.41E-09	1.53E-07	7.32E+01	1.41E+00	0.00E+00	0.00E+00	9.17E-02	8.60E+00	1.29E+03	0.00E+00	2.47E-07	2.10E-06	1.00E-01	1.97E-03	3.40E+02	0.00E+00	1.29E+03	1.80E-05	1.29E+03	1.63E+03	3.40E+02	0.00E+00	0.00E+00	0.00E+00	3.90E+00
HHA040Z	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HHA041H	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HHA041U	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HHA041Z	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HHA048Z	1.31E-01	2.53E+01	2.55E-01	2.49E+01	0.00E+00	0.00E+00	4.13E+01	6.26E-05	1.56E-02	2.50E-01	0.00E+00	8.41E-01	3.14E-09	7.47E-08	3.42E+01	6.80E-01	0.00E+00	0.00E+00	4.50E-02	3.97E+00	6.17E+02	0.00E+00	1.13E-07	1.04E-06	4.92E-02	9.26E-04	1.51E+02	0.00E+00	6.17E+02	8.45E-06	6.17E+02	7.68E+02	1.51E+02	0.00E+00	0.00E+00	0.00E+00	1.92E+00
HHA050Z	4.54E-01	8.74E+01	8.81E-01	8.61E+01	0.00E+00	0.00E+00	1.43E+02	2.17E-04	5.39E-02	8.65E-01	0.00E+00	2.91E+00	1.09E-08	2.58E-07	1.18E+02	2.35E+00	0.00E+00	0.00E+00	1.56E-01	1.37E+01	2.13E+03	0.00E+00	3.92E-07	3.59E-06	1.70E-01	3.20E-03	5.23E+02	0.00E+00	2.13E+03	2.92E-05	2.13E+03	2.66E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HHA051Z	4.54E-01	8.74E+01	8.81E-01	8.61E+01	0.00E+00	0.00E+00	1.43E+02	2.17E-04	5.39E-02	8.65E-01	0.00E+00	2.91E+00	1.09E-08	2.58E-07	1.18E+02	2.35E+00	0.00E+00	0.00E+00	1.56E-01	1.37E+01	2.13E+03	0.00E+00	3.92E-07	3.59E-06	1.70E-01	3.20E-03	5.23E+02	0.00E+00	2.13E+03	2.92E-05	2.13E+03	2.66E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HHA061Z	1.21E-01	2.36E+01	4.35E-02	2.36E+01	0.00E+00	0.00E+00	4.46E+01	6.22E-05	1.47E-02	2.37E-01	0.00E+00	1.04E+00	2.97E-09	7.10E-08	3.40E+01	6.54E-01	0.00E+00	0.00E+00	4.25E-02	3.99E+00	5.96E+02	0.00E+00	1.14E-07	9.74E-07	4.64E-02	9.15E-04	1.58E+02	0.00E+00	5.96E+02	8.36E-06	5.96E+02	7.54E+02	1.58E+02	0.00E+00	0.00E+00	0.00E+00	1.81E+00
HHA063H	7.12E-01	1.39E+02	2.56E-01	1.39E+02	0.00E+00	0.00E+00	2.62E+02	3.66E-04	8.67E-02	1.39E+00	0.00E+00	6.09E+00	1.75E-08	4.17E-07	2.00E+02	3.85E+00	0.00E+00	0.00E+00	2.50E-01	2.35E+01	3.51E+03	0.00E+00	6.73E-07	5.73E-06	2.73E-01	5.38E-03	9.28E+02	0.00E+00	3.51E+03	4.92E-05	3.51E+03	4.44E+03	9.28E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HHA063U	7.12E-01	1.39E+02	2.56E-01	1.39E+02	0.00E+00	0.00E+00	2.62E+02	3.66E-04	8.67E-02	1.39E+00	0.00E+00	6.09E+00	1.75E-08	4.17E-07	2.00E+02	3.85E+00	0.00E+00	0.00E+00	2.50E-01	2.35E+01	3.51E+03	0.00E+00	6.73E-07	5.73E-06	2.73E-01	5.38E-03	9.28E+02	0.00E+00	3.51E+03	4.92E-05	3.51E+03	4.44E+03	9.28E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HHA063Z	5.59E-01	1.08E+02	1.08E+00	1.06E+02	0.00E+00	0.00E+00	1.76E+02	2.67E-04	6.63E-02	1.06E+00	0.00E+00	3.58E+00	1.34E-08	3.18E-07	1.46E+02	2.90E+00	0.00E+00	0.00E+00	1.92E-01	1.69E+01	2.63E+03	0.00E+00	4.82E-07	4.42E-06	2.10E-01	3.94E-03	6.44E+02	0.00E+00	2.63E+03	3.60E-05	2.63E+03	3.27E+03	6.44E+02	0.00E+00	0.00E+00	0.00E+00	8.19E+00
HHA064H	7.87E-01	1.52E+02	1.53E+00	1.49E+02	0.00E+00	0.00E+00	2.48E+02	3.76E-04	9.34E-02	1.50E+00	0.00E+00	5.04E+00	1.89E-08	4.48E-07	2.05E+02	4.08E+00	0.00E+00	0.00E+00	2.70E-01	2.38E+01	3.70E+03	0.00E+00	6.79E-07	6.22E-06	2.95E-01	5.55E-03	9.08E+02	0.00E+00	3.70E+03	5.07E-05	3.70E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.15E+01
HHA064U	7.87E-01	1.52E+02	1.53E+00	1.49E+02	0.00E+00	0.00E+00	2.48E+02	3.76E-04	9.34E-02	1.50E+00	0.00E+00	5.04E+00	1.89E-08	4.48E-07	2.05E+02	4.08E+00	0.00E+00	0.00E+00	2.70E-01	2.38E+01	3.70E+03	0.00E+00	6.79E-07	6.22E-06	2.95E-01	5.55E-03	9.08E+02	0.00E+00	3.70E+03	5.07E-05	3.70E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.15E+01
HHA064Z	5.59E-01	1.08E+02	1.08E+00	1.06E+02	0.00E+00	0.00E+00	1.76E+02	2.67E-04	6.63E-02	1.06E+00	0.00E+00	3.58E+00	1.34E-08	3.18E-07	1.46E+02	2.90E+00	0.00E+00	0.00E+00	1.92E-01	1.69E+01	2.63E+03	0.00E+00	4.82E-07	4.42E-06	2.10E-01	3.94E-03	6.44E+02	0.00E+00	2.63E+03	3.60E-05	2.63E+03	3.27E+03	6.44E+02	0.00E+00	0.00E+00	0.00E+00	8.19E+00
HHA078Z	1.26E-01	2.42E+01	2.44E-01	2.39E+01	0.00E+00	0.00E+00	3.97E+01	6.01E-05	1.49E-02	2.40E-01	0.00E+00	8.07E-01	3.02E-09	7.17E-08	3.28E+01	6.53E-01	0.00E+00	0.00E+00	4.32E-02	3.81E+00	5.92E+02	0.00E+00	1.09E-07	9.96E-07	4.73E-02	8.89E-04	1.45E+02	0.00E+00	5.92E+02	8.11E-06	5.92E+02	7.37E+02	1.45E+02	0.00E+00	0.00E+00	0.00E+00	1.84E+00
HHA080H	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHA080U	7.62E-01	1.49E+02	2.74E-01	1.48E+02	0.00E+00	0.00E+00	2.81E+02	3.91E-04	9.28E-02	1.49E+00	0.00E+00	6.52E+00	1.87E-08	4.47E-07	2.14E+02	4.11E+00	0.00E+00	0.00E+00	2.68E-01	2.51E+01	3.75E+03	0.00E+00	7.20E-07	6.13E-06	2.92E-01	5.76E-03	9.93E+02	0.00E+00	3.75E+03	5.26E-05	3.75E+03	4.75E+03	9.93E+02	0.00E+00	0.00E+00	0.00E+00	1.14E+01
HHA080Z	4.96E-01	9.55E+01	9.62E-01	9.40E+01	0.00E+00	0.00E+00	1.56E+02	2.37E-04	5.89E-02	9.45E-01	0.00E+00	3.18E+00	1.19E-08	2.82E-07	1.29E+02	2.57E+00	0.00E+00	0.00E+00	1.70E-01	1.50E+01	2.33E+03	0.00E+00	4.28E-07	3.92E-06	1.86E-01	3.50E-03	5.72E+02	0.00E+00	2.33E+03	3.19E-05	2.33E+03	2.90E+03	5.72E+02	0.00E+00	0.00E+00	0.00E+00	7.26E+00
HHA081H	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHA081U	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHA081Z	4.96E-01	9.55E+01	9.62E-01	9.40E+01	0.00E+00	0.00E+00	1.56E+02	2.37E-04	5.89E-02	9.45E-01	0.00E+00	3.18E+00	1.19E-08	2.82E-07	1.29E+02	2.57E+00	0.00E+00	0.00E+00	1.70E-01	1.50E+01	2.33E+03	0.00E+00	4.28E-07	3.92E-06	1.86E-01	3.50E-03	5.72E+02	0.00E+00	2.33E+03	3.19E-05	2.33E+03	2.90E+03	5.72E+02	0.00E+00	0.00E+00	0.00E+00	7.26E+00
HHA082H	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHA098Z	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HHA100H	8.47E-01	1.65E+02	3.04E-01	1.65E+02	0.00E+00	0.00E+00	3.12E+02	4.35E-04	1.03E-01	1.66E+00	0.00E+00	7.25E+00	2.08E-08	4.97E-07	2.38E+02	4.58E+00	0.00E+00	0.00E+00	2.98E-01	2.79E+01	4.17E+03	0.00E+00	8.01E-07	6.82E-06	3.25E-01	6.41E-03	1.10E+03	0.00E+00	4.17E+03	5.85E-05	4.17E+03	5.28E+03	1.10E+03	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HHA100U	8.47E-01	1.65E+02	3.04E-01	1.65E+02	0.00E+00	0.00E+00	3.12E+02	4.35E-04	1.03E-01	1.66E+00	0.00E+00	7.25E+00	2.08E-08	4.97E-07	2.38E+02	4.58E+00	0.00E+00	0.00E+00	2.98E-01	2.79E+01	4.17E+03	0.00E+00	8.01E-07	6.82E-06	3.25E-01	6.41E-03	1.10E+03	0.00E+00	4.17E+03	5.85E-05	4.17E+03	5.28E+03	1.10E+03	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HHA100Z	1.02E+00	1.97E+02	1.99E+00	1.94E+02	0.00E+00	0.00E+00	3.22E+02	4.88E-04	1.21E-01	1.95E+00	0.00E+00	6.56E+00	2.45E-08	5.82E-07	2.67E+02	5.30E+00	0.00E+00	0.00E+00	3.51E-01	3.09E+01	4.81E+03	0.00E+00	8.83E-07	8.09E-06	3.84E-01	7.22E-03	1.18E+03	0.00E+00	4.81E+03	6.59E-05	4.81E+03	5.99E+03	1.18E+03	0.00E+00	0.00E+00	0.00E+00	1.50E+01
HHA101H	9.93E-01	1.90E+02	4.19E+00	1.85E+02	0.00E+00	0.00E+00	2.84E+02	4.54E-04	1.16E-01	1.86E+00	0.00E+00	5.23E+00	2.35E-08	5.55E-07	2.48E+02	5.03E+00	0.00E+00	0.00E+00	3.36E-01	2.86E+01	4.55E+03	0.00E+00	8.12E-07	7.77E-06	3.68E-01	6.74E-03	1.06E+03	0.00E+00	4.55E+03	6.15E-05	4.55E+03	5.61E+03	1.06E+03	0.00E+00	0.00E+00	0.00E+00	1.44E+01
HHA101U	9.37E-01	1.80E+02	1.82E+00	1.78E+02	0.00E+00	0.00E+00	2.95E+02	4.47E-04	1.11E-01	1.78E+00	0.00E+00	6.00E+00	2.24E-08	5.33E-07	2.44E+02	4.86E+00	0.00E+00	0.00E+00	3.21E-01	2.83E+01	4.40E+03	0.00E+00	8.08E-07	7.41E-06	3.52E-01	6.61E-03	1.08E+03	0.00E+00	4.40E+03	6.03E-05	4.40E+03	5.48E+03	1.08E+03	0.00E+00	0.00E+00	0.00E+00	1.37E+01
HHA101Z	1.02E+00	1.97E+02	1.99E+00	1.94E+02	0.00E+00	0.00E+00	3.22E+02	4.88E-04	1.21E-01	1.95E+00	0.00E+00	6.56E+00	2.45E-08	5.82E-07	2.67E+02	5.30E+00	0.00E+00	0.00E+00	3.51E-01	3.09E+01	4.81E+03	0.00E+00	8.83E-07	8.09E-06	3.84E-01	7.22E-03	1.18E+03	0.00E+00	4.81E+03	6.59E-05	4.81E+03	5.99E+03	1.18E+03	0.00E+00	0.00E+00	0.00E+00	1.50E+01
HHA102H	9.37E-01	1.80E+02	1.82E+00	1.78E+02	0.00E+00	0.00E+00	2.95E+02	4.47E-04	1.11E-01	1.78E+00	0.00E+00	6.00E+00	2.24E-08	5.33E-07	2.44E+02	4.86E+00	0.00E+00	0.00E+00	3.21E-01	2.83E+01	4.40E+03	0.00E+00	8.08E-07	7.41E-06	3.52E-01	6.61E-03	1.08E+03	0.00E+00	4.40E+03	6.03E-05	4.40E+03	5.48E+03	1.08E+03	0.00E+00	0.00E+00	0.00E+00	1.37E+01
HHA123Z	3.07E-01	5.91E+01	5.96E-01	5.82E+01	0.00E+00	0.00E+00	9.67E+01	1.46E-04	3.64E-02	5.85E-01	0.00E+00	1.97E+00	7.35E-09	1.75E-07	8.00E+01	1.59E+00	0.00E+00	0.00E+00	1.05E-01	9.28E+00	1.44E+03	0.00E+00	2.65E-07	2.43E-06	1.15E-01	2.17E-03	3.54E+02	0.00E+00	1.44E+03	1.98E-05	1.44E+03	1.80E+03	3.54E+02	0.00E+00	0.00E+00	0.00E+00	4.50E+00
HHA125H	7.83E-01	1.53E+02	2.81E-01	1.53E+02	0.00E+00	0.00E+00	2.89E+02	4.02E-04	9.54E-02	1.53E+00	0.00E+00	6.70E+00	1.92E-08	4.59E-07	2.20E+02	4.23E+00	0.00E+00	0.00E+00	2.75E-01	2.58E+01	3.86E+03	0.00E+00	7.41E-07	6.30E-06	3.00E-01	5.92E-03	1.02E+03	0.00E+00	3.86E+03	5.41E-05	3.86E+03	4.88E+03	1.02E+03	0.00E+00	0.00E+00	0.00E+00	1.17E+01
HHA125U	7.83E-01	1.53E+02	2.81E-01	1.53E+02	0.00E+00	0.00E+00	2.89E+02	4.02E-04	9.54E-02	1.53E+00	0.00E+00	6.70E+00	1.92E-08	4.59E-07	2.20E+02	4.23E+00	0.00E+00	0.00E+00	2.75E-01	2.58E+01	3.86E+03	0.00E+00	7.41E-07	6.30E-06	3.00E-01	5.92E-03	1.02E+03	0.00E+00	3.86E+03	5.41E-05	3.86E+03	4.88E+03	1.02E+03	0.00E+00	0.00E+00	0.00E+00	1.17E+01
HHA125Z	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HHA126H	7.83E-01	1.53E+02	2.81E-01	1.53E+02	0.00E+00	0.00E+00	2.89E+02	4.02E-04	9.54E-02	1.53E+00	0.00E+00	6.70E+00	1.92E-08	4.59E-07	2.20E+02	4.23E+00	0.00E+00	0.00E+00	2.75E-01	2.58E+01	3.86E+03	0.00E+00	7.41E-07	6.30E-06	3.00E-01	5.92E-03	1.02E+03	0.00E+00	3.86E+03	5.41E-05	3.86E+03	4.88E+03	1.02E+03	0.00E+00	0.00E+00	0.00E+00	1.17E+01
HHA126U	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HHA126Z	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HHA127H	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HHA160H	1.04E+00	2.03E+02	3.73E-01	2.02E+02	0.00E+00	0.00E+00	3.83E+02	5.34E-04	1.27E-01	2.03E+00	0.00E+00	8.89E+00	2.55E-08	6.09E-07	2.92E+02	5.61E+00	0.00E+00	0.00E+00	3.65E-01	3.43E+01	5.12E+03	0.00E+00	9.83E-07	8.37E-06	3.98E-01	7.86E-03	1.36E+03	0.00E+00	5.12E+03	7.18E-05	5.12E+03	6.48E+03	1.36E+03	0.00E+00	0.00E+00	0.00E+00	1.55E+01
HHA160U	1.04E+00	2.03E+02	3.73E-01	2.02E+02	0.00E+00	0.00E+00	3.83E+02	5.34E-04	1.27E-01	2.03E+00	0.00E+00	8.89E+00	2.55E-08	6.09E-07	2.92E+02	5.61E+00	0.00E+00	0.00E+00	3.65E-01	3.43E+01	5.12E+03	0.00E+00	9.83E-07	8.37E-06	3.98E-01	7.86E-03	1.36E+03	0.00E+00	5.12E+03	7.18E-05	5.12E+03	6.48E+03	1.36E+03	0.00E+00	0.00E+00	0.00E+00	1.55E+01
HHA160Z	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HHA161H	1.22E+00	2.33E+02	5.14E+00	2.27E+02	0.00E+00	0.00E+00	3.49E+02	5.57E-04	1.42E-01	2.28E+00	0.00E+00	6.42E+00	2.88E-08	6.82E-07	3.04E+02	6.17E+00	0.00E+00	0.00E+00	4.12E-01	3.51E+01	5.58E+03	0.00E+00	9.96E-07	9.53E-06	4.52E-01	8.26E-03	1.31E+03	0.00E+00	5.58E+03	7.54E-05	5.58E+03	6.89E+03	1.31E+03	0.00E+00	0.00E+00	0.00E+00	1.76E+01
HHA161U	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HHA161Z	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HHA162H	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HHB100U	6.51E-01	1.25E+02	1.26E+00	1.23E+02	0.00E+00	0.00E+00	2.05E+02	3.10E-04	7.72E-02	1.24E+00	0.00E+00	4.17E+00	1.56E-08	3.70E-07	1.70E+02	3.37E+00	0.00E+00	0.00E+00	2.23E-01	1.97E+01	3.06E+03	0.00E+00	5.61E-07	5.15E-06	2.44E-01	4.59E-03	7.50E+02	0.00E+00	3.06E+03	4.19E-05	3.06E+03	3.81E+03	7.50E+02	0.00E+00	0.00E+00	0.00E+00	9.53E+00
HHB100Z	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HHB101Z	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HHB125U	7.27E-01	1.40E+02	1.41E+00	1.38E+02	0.00E+00	0.00E+00	2.29E+02	3.47E-04	8.63E-02	1.38E+00	0.00E+00	4.66E+00	1.74E-08	4.14E-07	1.89E+02	3.77E+00	0.00E+00	0.00E+00	2.49E-01	2.20E+01	3.42E+03	0.00E+00	6.27E-07	5.75E-06	2.73E-01	5.13E-03	8.38E+02	0.00E+00	3.42E+03	4.68E-05	3.42E+03	4.26E+03	8.38E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HHB125Z	7.27E-01	1.40E+02	1.41E+00	1.38E+02	0.00E+00	0.00E+00	2.29E+02	3.47E-04	8.63E-02	1.38E+00	0.00E+00	4.66E+00	1.74E-08	4.14E-07	1.89E+02	3.77E+00	0.00E+00	0.00E+00	2.49E-01	2.20E+01	3.42E+03	0.00E+00	6.27E-07	5.75E-06	2.73E-01	5.13E-03	8.38E+02	0.00E+00	3.42E+03	4.68E-05	3.42E+03	4.26E+03	8.38E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HHB126Z	7.27E-01	1.40E+02	1.41E+00	1.38E+02	0.00E+00	0.00E+00	2.29E+02	3.47E-04	8.63E-02	1.38E+00	0.00E+00	4.66E+00	1.74E-08	4.14E-07	1.89E+02	3.77E+00	0.00E+00	0.00E+00	2.49E-01	2.20E+01	3.42E+03	0.00E+00	6.27E-07	5.75E-06	2.73E-01	5.13E-03	8.38E+02	0.00E+00	3.42E+03	4.68E-05	3.42E+03	4.26E+03	8.38E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HHB160U	8.56E-01	1.65E+02	1.66E+00	1.62E+02	0.00E+00	0.00E+00	2.69E+02	4.08E-04	1.02E-01	1.63E+00	0.00E+00	5.48E+00	2.05E-08	4.87E-07	2.23E+02	4.43E+00	0.00E+00	0.00E+00	2.93E-01	2.59E+01	4.02E+03	0.00E+00	7.38E-07	6.76E-06	3.21E-01	6.04E-03	9.86E+02	0.00E+00	4.02E+03	5.51E-05	4.02E+03	5.01E+03	9.86E+02	0.00E+00	0.00E+00	0.00E+00	1.25E+01
HHB160Z	8.56E-01	1.65E+02	1.66E+00	1.62E+02	0.00E+00	0.00E+00	2.69E+02	4.08E-04	1.02E-01	1.63E+00	0.00E+00	5.48E+00	2.05E-08	4.87E-07	2.23E+02	4.43E+00	0.00E+00	0.00E+00	2.93E-01	2.59E+01	4.02E+03	0.00E+00	7.38E-07	6.76E-06	3.21E-01	6.04E-03	9.86E+02	0.00E+00	4.02E+03	5.51E-05	4.02E+03	5.01E+03	9.86E+02	0.00E+00	0.00E+00	0.00E+00	1.25E+01
HHB161Z	8.56E-01	1.65E+02	1.66E+00	1.62E+02	0.00E+00	0.00E+00	2.69E+02	4.08E-04	1.02E-01	1.63E+00	0.00E+00	5.48E+00	2.05E-08	4.87E-07	2.23E+02	4.43E+00	0.00E+00	0.00E+00	2.93E-01	2.59E+01	4.02E+03	0.00E+00	7.38E-07	6.76E-06	3.21E-01	6.04E-03	9.86E+02	0.00E+00	4.02E+03	5.51E-05	4.02E+03	5.01E+03	9.86E+02	0.00E+00	0.00E+00	0.00E+00	1.25E+01
HHB200L	1.01E+00	1.94E+02	1.95E+00	1.91E+02	0.00E+00	0.00E+00	3.17E+02	4.81E-04	1.20E-01	1.92E+00	0.00E+00	6.46E+00	2.41E-08	5.73E-07	2.63E+02	5.22E+00	0.00E+00	0.00E+00	3.46E-01	3.05E+01	4.74E+03	0.00E+00	8.69E-07	7.97E-06	3.78E-01	7.11E-03	1.16E+03	0.00E+00	4.74E+03	6.49E-05	4.74E+03	5.90E+03	1.16E+03	0.00E+00	0.00E+00	0.00E+00	1.48E+01
HHB200U	6.51E-01	1.25E+02	1.26E+00	1.23E+02	0.00E+00	0.00E+00	2.05E+02	3.10E-04	7.72E-02	1.24E+00	0.00E+00	4.17E+00	1.56E-08	3.70E-07	1.70E+02	3.37E+00	0.00E+00	0.00E+00	2.23E-01	1.97E+01	3.06E+03	0.00E+00	5.61E-07	5.15E-06	2.44E-01	4.59E-03	7.50E+02	0.00E+00	3.06E+03	4.19E-05	3.06E+03	3.81E+03	7.50E+02	0.00E+00	0.00E+00	0.00E+00	9.53E+00

HHB200Z	1.01E+00	1.94E+02	1.95E+00	1.91E+02	0.00E+00	0.00E+00	3.17E+02	4.81E-04	1.20E-01	1.92E+00	0.00E+00	6.46E+00	2.41E-08	5.73E-07	2.63E+02	5.22E+00	0.00E+00	0.00E+00	3.46E-01	3.05E+01	4.74E+03	0.00E+00	8.69E-07	7.97E-06	3.78E-01	7.11E-03	1.16E+03	0.00E+00	4.74E+03	6.49E-05	4.74E+03	5.90E+03	1.16E+03	0.00E+00	0.00E+00	0.00E+00	1.48E+01
HHB201L	9.11E-01	1.78E+02	3.27E-01	1.78E+02	0.00E+00	0.00E+00	3.36E+02	4.68E-04	1.11E-01	1.78E+00	0.00E+00	7.80E+00	2.24E-08	5.34E-07	2.56E+02	4.92E+00	0.00E+00	0.00E+00	3.20E-01	3.00E+01	4.49E+03	0.00E+00	8.62E-07	7.33E-06	3.49E-01	6.89E-03	1.19E+03	0.00E+00	4.49E+03	6.29E-05	4.49E+03	5.68E+03	1.19E+03	0.00E+00	0.00E+00	0.00E+00	1.36E+01
HHB201Z	1.01E+00	1.94E+02	1.95E+00	1.91E+02	0.00E+00	0.00E+00	3.17E+02	4.81E-04	1.20E-01	1.92E+00	0.00E+00	6.46E+00	2.41E-08	5.73E-07	2.63E+02	5.22E+00	0.00E+00	0.00E+00	3.46E-01	3.05E+01	4.74E+03	0.00E+00	8.69E-07	7.97E-06	3.78E-01	7.11E-03	1.16E+03	0.00E+00	4.74E+03	6.49E-05	4.74E+03	5.90E+03	1.16E+03	0.00E+00	0.00E+00	0.00E+00	1.48E+01
HHB250L	1.26E+00	2.42E+02	2.44E+00	2.39E+02	0.00E+00	0.00E+00	3.97E+02	6.01E-04	1.49E-01	2.40E+00	0.00E+00	8.07E+00	3.02E-08	7.17E-07	3.28E+02	6.53E+00	0.00E+00	0.00E+00	4.32E-01	3.81E+01	5.92E+03	0.00E+00	1.09E-06	9.96E-06	4.73E-01	8.89E-03	1.45E+03	0.00E+00	5.92E+03	8.11E-05	5.92E+03	7.37E+03	1.45E+03	0.00E+00	0.00E+00	0.00E+00	1.84E+01
HHB250U	1.26E+00	2.42E+02	2.44E+00	2.39E+02	0.00E+00	0.00E+00	3.97E+02	6.01E-04	1.49E-01	2.40E+00	0.00E+00	8.07E+00	3.02E-08	7.17E-07	3.28E+02	6.53E+00	0.00E+00	0.00E+00	4.32E-01	3.81E+01	5.92E+03	0.00E+00	1.09E-06	9.96E-06	4.73E-01	8.89E-03	1.45E+03	0.00E+00	5.92E+03	8.11E-05	5.92E+03	7.37E+03	1.45E+03	0.00E+00	0.00E+00	0.00E+00	1.84E+01
HHB250Z	1.26E+00	2.42E+02	2.44E+00	2.39E+02	0.00E+00	0.00E+00	3.97E+02	6.01E-04	1.49E-01	2.40E+00	0.00E+00	8.07E+00	3.02E-08	7.17E-07	3.28E+02	6.53E+00	0.00E+00	0.00E+00	4.32E-01	3.81E+01	5.92E+03	0.00E+00	1.09E-06	9.96E-06	4.73E-01	8.89E-03	1.45E+03	0.00E+00	5.92E+03	8.11E-05	5.92E+03	7.37E+03	1.45E+03	0.00E+00	0.00E+00	0.00E+00	1.84E+01
HHB251L	1.14E+00	2.22E+02	4.09E-01	2.22E+02	0.00E+00	0.00E+00	4.20E+02	5.85E-04	1.39E-01	2.23E+00	0.00E+00	9.74E+00	2.80E-08	6.68E-07	3.20E+02	6.15E+00	0.00E+00	0.00E+00	4.00E-01	3.75E+01	5.61E+03	0.00E+00	1.08E-06	9.17E-06	4.37E-01	8.61E-03	1.49E+03	0.00E+00	5.61E+03	7.86E-05	5.61E+03	7.10E+03	1.49E+03	0.00E+00	0.00E+00	0.00E+00	1.70E+01
HHB251Z	1.26E+00	2.42E+02	2.44E+00	2.39E+02	0.00E+00	0.00E+00	3.97E+02	6.01E-04	1.49E-01	2.40E+00	0.00E+00	8.07E+00	3.02E-08	7.17E-07	3.28E+02	6.53E+00	0.00E+00	0.00E+00	4.32E-01	3.81E+01	5.92E+03	0.00E+00	1.09E-06	9.96E-06	4.73E-01	8.89E-03	1.45E+03	0.00E+00	5.92E+03	8.11E-05	5.92E+03	7.37E+03	1.45E+03	0.00E+00	0.00E+00	0.00E+00	1.84E+01
HHJ250DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HHJ251DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HHJ320DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HHJ321DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HHJ400DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HHJ401DR	2.22E+00	4.25E+02	9.39E+00	4.16E+02	0.00E+00	0.00E+00	6.37E+02	1.02E-03	2.60E-01	4.17E+00	0.00E+00	1.17E+01	5.26E-08	1.24E-06	5.56E+02	1.13E+01	0.00E+00	0.00E+00	7.53E-01	6.40E+01	1.02E+04	0.00E+00	1.82E-06	1.74E-05	8.25E-01	1.51E-02	2.39E+03	0.00E+00	1.02E+04	1.38E-04	1.02E+04	1.26E+04	2.39E+03	0.00E+00	0.00E+00	0.00E+00	3.22E+01
HHJ631DE	4.04E+00	7.71E+02	1.70E+01	7.54E+02	0.00E+00	0.00E+00	1.16E+03	1.85E-03	4.72E-01	7.57E+00	0.00E+00	2.13E+01	9.54E-08	2.26E-06	1.01E+03	2.04E+01	0.00E+00	0.00E+00	1.37E+00	1.16E+02	1.85E+04	0.00E+00	3.30E-06	3.16E-05	1.50E+00	2.74E-02	4.33E+03	0.00E+00	1.85E+04	2.50E-04	1.85E+04	2.28E+04	4.33E+03	0.00E+00	0.00E+00	0.00E+00	5.85E+01
HHM100ER	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHM101ER	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHM103ER	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHM125ER	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHM126ER	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHM128ER	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHM150ER	6.77E-01	1.30E+02	1.31E+00	1.28E+02	0.00E+00	0.00E+00	2.13E+02	3.23E-04	8.04E-02	1.29E+00	0.00E+00	4.34E+00	1.62E-08	3.85E-07	1.76E+02	3.51E+00	0.00E+00	0.00E+00	2.32E-01	2.05E+01	3.18E+03	0.00E+00	5.84E-07	5.35E-06	2.54E-01	4.78E-03	7.80E+02	0.00E+00	3.18E+03	4.36E-05	3.18E+03	3.96E+03	7.80E+02	0.00E+00	0.00E+00	0.00E+00	9.92E+00
HHM151ER	6.77E-01	1.30E+02	1.31E+00	1.28E+02	0.00E+00	0.00E+00	2.13E+02	3.23E-04	8.04E-02	1.29E+00	0.00E+00	4.34E+00	1.62E-08	3.85E-07	1.76E+02	3.51E+00	0.00E+00	0.00E+00	2.32E-01	2.05E+01	3.18E+03	0.00E+00	5.84E-07	5.35E-06	2.54E-01	4.78E-03	7.80E+02	0.00E+00	3.18E+03	4.36E-05	3.18E+03	3.96E+03	7.80E+02	0.00E+00	0.00E+00	0.00E+00	9.92E+00
HHM153ER	6.77E-01	1.30E+02	1.31E+00	1.28E+02	0.00E+00	0.00E+00	2.13E+02	3.23E-04	8.04E-02	1.29E+00	0.00E+00	4.34E+00	1.62E-08	3.85E-07	1.76E+02	3.51E+00	0.00E+00	0.00E+00	2.32E-01	2.05E+01	3.18E+03	0.00E+00	5.84E-07	5.35E-06	2.54E-01	4.78E-03	7.80E+02	0.00E+00	3.18E+03	4.36E-05	3.18E+03	3.96E+03	7.80E+02	0.00E+00	0.00E+00	0.00E+00	9.92E+00
HHM160ER	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HHM161ER	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HHM163ER	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HHM200ER	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HHM201ER	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HHM203ER	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HHM250ER	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HHM251ER	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HHM253ER	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HHS014EC	4.96E-02	9.55E+00	9.62E-02	9.41E+00	0.00E+00	0.00E+00	1.56E+01	2.37E-05	5.89E-03	9.45E-02	0.00E+00	3.18E-01	1.19E-09	2.82E-08	1.29E+01	2.57E-01	0.00E+00	0.00E+00	1.70E-02	1.50E+00	2.33E+02	0.00E+00	4.28E-08	3.92E-07	1.86E-02	3.50E-04	5.72E+01	0.00E+00	2.33E+02	3.19E-06	2.33E+02	2.90E+02	5.72E+01	0.00E+00	0.00E+00	0.00E+00	7.27E-01
HHS018EC	8.90E-02	1.71E+01	1.73E-01	1.69E+01	0.00E+00	0.00E+00	2.80E+01	4.24E-05	1.06E-02	1.69E-01	0.00E+00	5.70E-01	2.13E-09	5.06E-08	2.32E+01	4.61E-01	0.00E+00	0.00E+00	3.05E-02	2.69E+00	4.18E+02	0.00E+00	7.67E-08	7.03E-07	3.34E-02	6.28E-04	1.03E+02	0.00E+00	4.18E+02	5.73E-06	4.18E+02	5.21E+02	1.03E+02	0.00E+00	0.00E+00	0.00E+00	1.30E+00
HHS023EC	1.21E-01	2.33E+01	2.35E-01	2.30E+01	0.00E+00	0.00E+00	3.82E+01	5.78E-05	1.44E-02	2.31E-01	0.00E+00	7.77E-01	2.90E-09	6.90E-08	3.16E+01	6.28E-01	0.00E+00	0.00E+00	4.16E-02	3.67E+00	5.70E+02	0.00E+00	1.05E-07	9.59E-07	4.55E-02	8.55E-04	1.40E+02	0.00E+00	5.70E+02	7.81E-06	5.70E+02	7.10E+02	1.40E+02	0.00E+00	0.00E+00	0.00E+00	1.78E+00
HHS025BC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HHS025DC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HHS025DR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HHS026BC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HHS026DC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HHS026DR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HHS030EC	7.37E-02	1.42E+01	1.43E-01	1.40E+01	0.00E+00	0.00E+00	2.32E+01	3.52E-05	8.75E-03	1.40E-01	0.00E+00	4.72E-01	1.77E-09	4.20E-08	1.92E+01	3.82E-01	0.00E+00	0.00E+00	2.53E-02	2.23E+00	3.47E+02	0.00E+00	6.36E-08	5.83E-07	2.77E-02	5.20E-04	8.50E+01	0.00E+00	3.47E+02	4.75E-06	3.47E+02	4.32E+02	8.50E+01	0.00E+00	0.00E+00	0.00E+00	1.08E+00
HHS038EC	9.71E-02	1.87E+01	1.88E-01	1.84E+01	0.00E+00	0.00E+00	3.06E+01	4.63E-05	1.15E-02	1.85E-01	0.00E+00	6.22E-01	2.33E-09	5.52E-08	2.53E+01	5.03E-01	0.00E+00	0.00E+00	3.33E-02	2.94E+00	4.57E+02	0.00E+00	8.37E-08	7.68E-07	3.64E-02	6.85E-04	1.12E+02	0.00E+00	4.57E+02	6.25E-06	4.57E+02	5.68E+02	1.12E+02	0.00E+00	0.00E+00	0.00E+00	1.42E+00
HHS040BC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHS040DC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHS040DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHS041BC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHS041DC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHS041DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHS048EC	1.31E-01	2.53E+01	2.55E-01	2.49E+01	0.00E+00	0.00E+00	4.13E+01	6.26E-05	1.56E-02	2.50E-01	0.00E+00	8.41E-01	3.14E-09	7.47E-08	3.42E+01	6.80E-01	0.00E+00	0.00E+00	4.50E-02	3.97E+00	6.17E+02	0.00E+00	1.13E-07	1.04E-06	4.92E-02	9.26E-04	1.51E+02	0.00E+00	6.17E+02	8.45E-06	6.17E+02	7.68E+02	1.51E+02	0.00E+00	0.00E+00	0.00E+00	1.92E+00
HHS050BC	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HHS051BC	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HHS061EC	1.34E-01	2.58E+01	2.60E-01	2.54E+01	0.00E+00	0.00E+00	4.21E+01	6.38E-05	1.59E-02	2.55E-01	0.00E+00	8.58E-01	3.20E-09	7.61E-08	3.49E+01	6.94E-01	0.00E+00	0.00E+00	4.59E-02	4.05E+00	6.29E+02	0.00E+00	1.15E-07	1.06E-06	5.02E-02	9.44E-04	1.54E+02	0.00E+00	6.29E+02	8.62E-06	6.29E+02	7.83E+02	1.54E+02	0.00E+00	0.00E+00	0.00E+00	1.96E+00
HHS063BC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HHS063DC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HHS063DR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HHS064BC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HHS064DC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HHS064DR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HHS078EC	1.26E-01	2.42E+01	2.44E-01	2.39E+01	0.00E+00	0.00E+00	3.97E+01	6.01E-05	1.49E-02	2.40E-01	0.00E+00	8.07E-01	3.02E-09	7.17E-08	3.28E+01	6.53E-01	0.00E+00	0.00E+00	4.32E-02	3.81E+00	5.92E+02	0.00E+00	1.09E-07	9.96E-07	4.73E-02	8.89E-04	1.45E+02	0.00E+00	5.92E+02	8.11E-06	5.92E+02	7.37E+02	1.45E+02	0.00E+00	0.00E+00	0.00E+00	1.84E+00
HHS080BC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HHS080DC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HHS080DR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HHS081BC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HHS081DC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HHS081DR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HHS098EC	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HHS100BC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HHS100DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HHS100DR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HHS101BC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HHS101DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HHS101DR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HHS102DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HHS123EC	3.07E-01	5.91E+01	5.96E-01	5.82E+01	0.00E+00	0.00E+00	9.67E+01	1.46E-04	3.64E-02	5.85E-01	0.00E+00	1.97E+00	7.35E-09	1.75E-07	8.00E+01	1.59E+00	0.00E+00	0.00E+00	1.05E-01	9.28E+00	1.44E+03	0.00E+00	2.65E-07	2.43E-06	1.15E-01	2.17E-03	3.54E+02	0.00E+00	1.44E+03	1.98E-05	1.44E+03	1.80E+03	3.54E+02	0.00E+00	0.00E+00	0.00E+00	4.50E+00
HHS125BC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHS125DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHS125DR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHS126BC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHS126DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHS126DR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHS127DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HHS160BC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HHS160DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01

HHS160DR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HHS161BC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HHS161DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HHS161DR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HHS162DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HHT050DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HHT051DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HHT063DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HHT064DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HHT100BR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHT100DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHT101BR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHT101DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHT102DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHT125BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHT125DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHT126BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHT126DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHT127DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HHT160BR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HHT160DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HHT161BR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HHT161DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HHT162DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HHT200BR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HHT200DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HHT201BR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HHT201DR	8.54E-01	1.67E+02	3.07E-01	1.66E+02	0.00E+00	0.00E+00	3.15E+02	4.39E-04	1.04E-01	1.67E+00	0.00E+00	7.31E+00	2.10E-08	5.01E-07	2.40E+02	4.61E+00	0.00E+00	0.00E+00	3.00E-01	2.82E+01	4.21E+03	0.00E+00	8.08E-07	6.88E-06	3.27E-01	6.46E-03	1.11E+03	0.00E+00	4.21E+03	5.90E-05	4.21E+03	5.32E+03	1.11E+03	0.00E+00	0.00E+00	0.00E+00	1.28E+01
HHT202DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HHT250BR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HHT250DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HHT251BR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HHT251DR	1.20E+00	2.35E+02	4.32E-01	2.34E+02	0.00E+00	0.00E+00	4.44E+02	6.18E-04	1.47E-01	2.35E+00	0.00E+00	1.03E+01	2.95E-08	7.05E-07	3.38E+02	6.50E+00	0.00E+00	0.00E+00	4.23E-01	3.96E+01	5.93E+03	0.00E+00	1.14E-06	9.68E-06	4.61E-01	9.10E-03	1.57E+03	0.00E+00	5.93E+03	8.31E-05	5.93E+03	7.50E+03	1.57E+03	0.00E+00	0.00E+00	0.00E+00	1.80E+01
HHT252DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HHW250DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HHW251DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HHW320DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HHW321DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HHW400DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HHW401DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HMJ250DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HMJ251DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HMJ320BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HMJ320DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HMJ321DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HMJ400DR	2.22E+00	4.25E+02	9.39E+00	4.16E+02	0.00E+00	0.00E+00	6.37E+02	1.02E-03	2.60E-01	4.17E+00	0.00E+00	1.17E+01	5.26E-08	1.24E-06	5.56E+02	1.13E+01	0.00E+00	0.00E+00	7.53E-01	6.40E+01	1.02E+04	0.00E+00	1.82E-06	1.74E-05	8.25E-01	1.51E-02	2.39E+03	0.00E+00	1.02E+04	1.38E-04	1.02E+04	1.26E+04	2.39E+03	0.00E+00	0.00E+00	0.00E+00	3.22E+01
HMJ401DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HMJ500BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HMJ630DE	4.04E+00	7.71E+02	1.70E+01	7.54E+02	0.00E+00	0.00E+00	1.16E+03	1.85E-03	4.72E-01	7.57E+00	0.00E+00	2.13E+01	9.54E-08	2.26E-06	1.01E+03	2.04E+01	0.00E+00	0.00E+00	1.37E+00	1.16E+02	1.85E+04	0.00E+00	3.30E-06	3.16E-05	1.50E+00	2.74E-02	4.33E+03	0.00E+00	1.85E+04	2.50E-04	1.85E+04	2.28E+04	4.33E+03	0.00E+00	0.00E+00	0.00E+00	5.85E+01
HMS025BC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HMS025BR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HMS025DC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HMS025DR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HMS026BC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HMS026BR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HMS026DC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HMS026DR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HMS040BC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMS040BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMS040DC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMS040DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMS041BC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMS041BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMS041DC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMS041DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMS050BC	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HMS050BR	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HMS051BC	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HMS051BR	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HMS063BC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HMS063BR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HMS063DC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HMS063DR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HMS064BC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HMS064BR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HMS064DC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HMS064DR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HMS080BC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HMS080BR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HMS080DC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HMS080DR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HMS081BC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HMS081BR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HMS081DC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HMS081DR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00

HMS100BC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HMS100BR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HMS100DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HMS100DR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HMS101BC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HMS101BR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HMS101DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HMS101DR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HMS102DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HMS125BC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HMS125BR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HMS125DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HMS125DR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HMS126BC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HMS126BR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HMS126DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HMS126DR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HMS127DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HMS160BC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HMS160BR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HMS160DC	1.18E+00	2.25E+02	4.96E+00	2.20E+02	0.00E+00	0.00E+00	3.37E+02	5.38E-04	1.38E-01	2.21E+00	0.00E+00	6.20E+00	2.78E-08	6.58E-07	2.94E+02	5.96E+00	0.00E+00	0.00E+00	3.98E-01	3.39E+01	5.39E+03	0.00E+00	9.62E-07	9.21E-06	4.36E-01	7.98E-03	1.26E+03	0.00E+00	5.39E+03	7.28E-05	5.39E+03	6.65E+03	1.26E+03	0.00E+00	0.00E+00	0.00E+00	1.70E+01
HMS160DR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HMS161BC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HMS161BR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HMS161DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HMS161DR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HMS162DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HMT050DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HMT051DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HMT063DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HMT064DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HMT100BR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HMT100DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HMT101BR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HMT101DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HMT102DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HMT125BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMT125DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMT126BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMT126DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMT127DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HMT160BR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HMT160DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HMT161BR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HMT161DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HMT162DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HMT200BR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HMT200DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HMT201BR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HMT201DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HMT202DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HMT250BR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HMT250DR	1.41E+00	2.69E+02	5.95E+00	2.63E+02	0.00E+00	0.00E+00	4.04E+02	6.45E-04	1.65E-01	2.64E+00	0.00E+00	7.43E+00	3.33E-08	7.89E-07	3.52E+02	7.14E+00	0.00E+00	0.00E+00	4.77E-01	4.06E+01	6.46E+03	0.00E+00	1.15E-06	1.10E-05	5.23E-01	9.57E-03	1.51E+03	0.00E+00	6.46E+03	8.73E-05	6.46E+03	7.97E+03	1.51E+03	0.00E+00	0.00E+00	0.00E+00	2.04E+01
HMT251BR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HMT251DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HMT252DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HMW250DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HMW251DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HMW320BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HMW320DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HMW321BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HMW321DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HMW400DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HMW401DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HMW500BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HMW501BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HNA016M	7.87E-02	1.52E+01	1.53E-01	1.49E+01	0.00E+00	0.00E+00	2.48E+01	3.76E-05	9.34E-03	1.50E-01	0.00E+00	5.04E-01	1.89E-09	4.48E-08	2.05E+01	4.08E-01	0.00E+00	0.00E+00	2.70E-02	2.38E+00	3.70E+02	0.00E+00	6.79E-08	6.22E-07	2.95E-02	5.55E-04	9.08E+01	0.00E+00	3.70E+02	5.07E-06	3.70E+02	4.61E+02	9.08E+01	0.00E+00	0.00E+00	0.00E+00	1.15E+00
HNA016Z	1.39E-01	2.68E+01	2.70E-01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E-05	1.65E-02	2.65E-01	0.00E+00	8.91E-01	3.33E-09	7.91E-08	3.62E+01	7.21E-01	0.00E+00	0.00E+00	4.77E-02	4.21E+00	6.54E+02	0.00E+00	1.20E-07	1.10E-06	5.22E-02	9.81E-04	1.60E+02	0.00E+00	6.54E+02	8.96E-06	6.54E+02	8.14E+02	1.60E+02	0.00E+00	0.00E+00	0.00E+00	2.04E+00
HNA017M	7.87E-02	1.52E+01	1.53E-01	1.49E+01	0.00E+00	0.00E+00	2.48E+01	3.76E-05	9.34E-03	1.50E-01	0.00E+00	5.04E-01	1.89E-09	4.48E-08	2.05E+01	4.08E-01	0.00E+00	0.00E+00	2.70E-02	2.38E+00	3.70E+02	0.00E+00	6.79E-08	6.22E-07	2.95E-02	5.55E-04	9.08E+01	0.00E+00	3.70E+02	5.07E-06	3.70E+02	4.61E+02	9.08E+01	0.00E+00	0.00E+00	0.00E+00	1.15E+00
HNA017Z	1.39E-01	2.68E+01	2.70E-01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E-05	1.65E-02	2.65E-01	0.00E+00	8.91E-01	3.33E-09	7.91E-08	3.62E+01	7.21E-01	0.00E+00	0.00E+00	4.77E-02	4.21E+00	6.54E+02	0.00E+00	1.20E-07	1.10E-06	5.22E-02	9.81E-04	1.60E+02	0.00E+00	6.54E+02	8.96E-06	6.54E+02	8.14E+02	1.60E+02	0.00E+00	0.00E+00	0.00E+00	2.04E+00
HNA020M	1.02E-01	1.97E+01	1.99E-01	1.94E+01	0.00E+00	0.00E+00	3.22E+01	4.88E-05	1.21E-02	1.95E-01	0.00E+00	6.56E-01	2.45E-09	5.82E-08	2.67E+01	5.30E-01	0.00E+00	0.00E+00	3.51E-02	3.09E+00	4.81E+02	0.00E+00	8.83E-08	8.09E-07	3.84E-02	7.22E-04	1.18E+02	0.00E+00	4.81E+02	6.59E-06	4.81E+02	5.99E+02	1.18E+02	0.00E+00	0.00E+00	0.00E+00	1.50E+00
HNA020Z	2.28E-01	4.39E+01	4.43E-01	4.33E+01	0.00E+00	0.00E+00	7.19E+01	1.09E-04	2.71E-02	4.35E-01	0.00E+00	1.46E+00	5.47E-09	1.30E-07	5.95E+01	1.18E+00	0.00E+00	0.00E+00	7.83E-02	6.90E+00	1.07E+03	0.00E+00	1.97E-07	1.81E-06	8.57E-02	1.61E-03	2.63E+02	0.00E+00	1.07E+03	1.47E-05	1.07E+03	1.34E+03	2.63E+02	0.00E+00	0.00E+00	0.00E+00	3.34E+00
HNA021M	1.02E-01	1.97E+01	1.99E-01	1.94E+01	0.00E+00	0.00E+00	3.22E+01	4.88E-05	1.21E-02	1.95E-01	0.00E+00	6.56E-01	2.45E-09	5.82E-08	2.67E+01	5.30E-01	0.00E+00	0.00E+00	3.51E-02	3.09E+00	4.81E+02	0.00E+00	8.83E-08	8.09E-07	3.84E-02	7.22E-04	1.18E+02	0.00E+00	4.81E+02	6.59E-06	4.81E+02	5.99E+02	1.18E+02	0.00E+00	0.00E+00	0.00E+00	1.50E+00
HNA021Z	2.28E-01	4.39E+01	4.43E-01	4.33E+01	0.00E+00	0.00E+00	7.19E+01	1.09E-04	2.71E-02	4.35E-01	0.00E+00	1.46E+00	5.47E-09	1.30E-07	5.95E+01	1.18E+00	0.00E+00	0.00E+00	7.83E-02	6.90E+00	1.07E+03	0.00E+00	1.97E-07	1.81E-06	8.57E-02	1.61E-03	2.63E+02	0.00E+00	1.07E+03	1.47E-05	1.07E+03	1.34E+03	2.63E+02	0.00E+00	0.00E+00	0.00E+00	3.34E+00
HNA025H	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HNA025M	1.26E-01	2.42E+01	2.44E-01	2.39E+01	0.00E+00	0.00E+00	3.97E+01	6.01E-05	1.49E-02	2.40E-01	0.00E+00	8.07E-01	3.02E-09	7.17E-08	3.28E+01	6.53E-01	0.00E+00	0.00E+00	4.32E-02	3.81E+00	5.92E+02	0.00E+00	1.09E-07	9.96E-07	4.73E-02	8.89E-04	1.45E+02	0.00E+00	5.92E+02	8.11E-06	5.92E+02	7.37E+02	1.45E+02	0.00E+00	0.00E+00	0.00E+00	1.84E+00
HNA025U	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HNA025Z	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HNA026H	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HNA026M	1.26E-01	2.42E+01	2.44E-01	2.39E+01	0.00E+00	0.00E+00	3.97E+01	6.01E-05	1.49E-02	2.40E-01	0.00E+00	8.07E-01	3.02E-09	7.17E-08	3.28E+01	6.53E-01	0.00E+00	0.00E+00	4.32E-02	3.81E+00	5.92E+02	0.00E+00	1.09E-07	9.96E-07	4.73E-02	8.89E-04	1.45E+02	0.00E+00	5.92E+02	8.11E-06	5.92E+02	7.37E+02	1.45E+02	0.00E+00	0.00E+00	0.00E+00	1.84E+00
HNA026U	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HNA026Z	3.60E-01	6.92E+01	6.97E-01	6.82E+01	0.00E+00	0.00E+00	1.13E+02	1.72E-04	4.27E-02	6.85E-01	0.00E+00	2.30E+00	8.61E-09	2.05E-07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E-01	1.09E+01	1.69E+03	0.00E+00	3.10E-07	2.84E-06	1.35E-01	2.54E-03	4.14E+02	0.00E+00	1.69E+03	2.32E-05	1.69E+03	2.10E+03	4.14E+02	0.00E+00	0.00E+00	0.00E+00	5.27E+00
HNA032M	1.57E-01	3.03E+01	3.05E-01	2.99E+01	0.00E+00	0.00E+00	4.96E+01	7.51E-05	1.87E-02	3.00E-01	0.00E+00	1.01E+00	3.77E-09	8.96E-08	4.10E+01	8.16E-01	0.00E+00	0.00E+00	5.40E-02	4.76E+00	7.40E+02	0.00E+00	1.36E-07	1.24E-06	5.91E-02	1.11E-03	1.82E+02	0.00E+00	7.40E+02	1.01E-05	7.40E+02	9.22E+02	1.82E+02	0.00E+00	0.00E+00	0.00E+00	2.31E+00
HNA032Z	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HNA033M	1.57E-01	3.03E+01	3.05E-01	2.99E+01	0.00E+00	0.00E+00	4.96E+01	7.51E-05	1.87E-02	3.00E-01	0.00E+00	1.01E+00	3.77E-09	8.96E-08	4.10E+01	8.16E-01	0.00E+00	0.00E+00	5.40E-02	4.76E+00	7.40E+02	0.00E+00	1.36E-07	1.24E-06	5.91E-02	1.11E-03	1.82E+02	0.00E+00	7.40E+02	1.01E-05	7.40E+02	9.22E+02	1.82E+02	0.00E+00	0.00E+00	0.00E+00	2.31E+00

HNA033Z	2.20E-01	4.24E+01	4.28E-01	4.18E+01	0.00E+00	0.00E+00	6.94E+01	1.05E-04	2.62E-02	4.20E-01	0.00E+00	1.41E+00	5.28E-09	1.25E-07	5.74E+01	1.14E+00	0.00E+00	0.00E+00	7.56E-02	6.67E+00	1.04E+03	0.00E+00	1.90E-07	1.74E-06	8.27E-02	1.56E-03	2.54E+02	0.00E+00	1.04E+03	1.42E-05	1.04E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HNA040H	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA040M	2.05E-01	3.94E+01	3.97E-01	3.88E+01	0.00E+00	0.00E+00	6.45E+01	9.76E-05	2.43E-02	3.90E-01	0.00E+00	1.31E+00	4.90E-09	1.16E-07	5.33E+01	1.06E+00	0.00E+00	0.00E+00	7.02E-02	6.19E+00	9.62E+02	0.00E+00	1.77E-07	1.62E-06	7.68E-02	1.44E-03	2.36E+02	0.00E+00	9.62E+02	1.32E-05	9.62E+02	1.20E+03	2.36E+02	0.00E+00	0.00E+00	0.00E+00	3.00E+00
HNA040U	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA040Z	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA041H	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA041M	2.05E-01	3.94E+01	3.97E-01	3.88E+01	0.00E+00	0.00E+00	6.45E+01	9.76E-05	2.43E-02	3.90E-01	0.00E+00	1.31E+00	4.90E-09	1.16E-07	5.33E+01	1.06E+00	0.00E+00	0.00E+00	7.02E-02	6.19E+00	9.62E+02	0.00E+00	1.77E-07	1.62E-06	7.68E-02	1.44E-03	2.36E+02	0.00E+00	9.62E+02	1.32E-05	9.62E+02	1.20E+03	2.36E+02	0.00E+00	0.00E+00	0.00E+00	3.00E+00
HNA041U	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA041Z	2.89E-01	5.56E+01	5.60E-01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E-04	3.43E-02	5.50E-01	0.00E+00	1.85E+00	6.91E-09	1.64E-07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.90E-02	8.73E+00	1.36E+03	0.00E+00	2.49E-07	2.28E-06	1.08E-01	2.04E-03	3.33E+02	0.00E+00	1.36E+03	1.86E-05	1.36E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA050M	2.52E-01	4.85E+01	4.89E-01	4.78E+01	0.00E+00	0.00E+00	7.93E+01	1.20E-04	2.99E-02	4.80E-01	0.00E+00	1.61E+00	6.03E-09	1.43E-07	6.56E+01	1.31E+00	0.00E+00	0.00E+00	8.64E-02	7.62E+00	1.18E+03	0.00E+00	2.17E-07	1.99E-06	9.45E-02	1.78E-03	2.90E+02	0.00E+00	1.18E+03	1.62E-05	1.18E+03	1.47E+03	2.90E+02	0.00E+00	0.00E+00	0.00E+00	3.69E+00
HNA050Z	4.54E-01	8.74E+01	8.81E-01	8.61E+01	0.00E+00	0.00E+00	1.43E+02	2.17E-04	5.39E-02	8.65E-01	0.00E+00	2.91E+00	1.09E-08	2.58E-07	1.18E+02	2.35E+00	0.00E+00	0.00E+00	1.56E-01	1.37E+01	2.13E+03	0.00E+00	3.92E-07	3.59E-06	1.70E-01	3.20E-03	5.23E+02	0.00E+00	2.13E+03	2.92E-05	2.13E+03	2.66E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HNA051M	2.52E-01	4.85E+01	4.89E-01	4.78E+01	0.00E+00	0.00E+00	7.93E+01	1.20E-04	2.99E-02	4.80E-01	0.00E+00	1.61E+00	6.03E-09	1.43E-07	6.56E+01	1.31E+00	0.00E+00	0.00E+00	8.64E-02	7.62E+00	1.18E+03	0.00E+00	2.17E-07	1.99E-06	9.45E-02	1.78E-03	2.90E+02	0.00E+00	1.18E+03	1.62E-05	1.18E+03	1.47E+03	2.90E+02	0.00E+00	0.00E+00	0.00E+00	3.69E+00
HNA051Z	4.54E-01	8.74E+01	8.81E-01	8.61E+01	0.00E+00	0.00E+00	1.43E+02	2.17E-04	5.39E-02	8.65E-01	0.00E+00	2.91E+00	1.09E-08	2.58E-07	1.18E+02	2.35E+00	0.00E+00	0.00E+00	1.56E-01	1.37E+01	2.13E+03	0.00E+00	3.92E-07	3.59E-06	1.70E-01	3.20E-03	5.23E+02	0.00E+00	2.13E+03	2.92E-05	2.13E+03	2.66E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HNA063H	7.87E-01	1.52E+02	1.53E+00	1.49E+02	0.00E+00	0.00E+00	2.48E+02	3.76E-04	9.34E-02	1.50E+00	0.00E+00	5.04E+00	1.89E-08	4.48E-07	2.05E+02	4.08E+00	0.00E+00	0.00E+00	2.70E-01	2.38E+01	3.70E+03	0.00E+00	6.79E-07	6.22E-06	2.95E-01	5.55E-03	9.08E+02	0.00E+00	3.70E+03	5.07E-05	3.70E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.15E+01
HNA063M	3.15E-01	6.06E+01	6.11E-01	5.97E+01	0.00E+00	0.00E+00	9.92E+01	1.50E-04	3.74E-02	6.00E-01	0.00E+00	2.02E+00	7.54E-09	1.79E-07	8.21E+01	1.63E+00	0.00E+00	0.00E+00	1.08E-01	9.52E+00	1.48E+03	0.00E+00	2.72E-07	2.49E-06	1.18E-01	2.22E-03	3.63E+02	0.00E+00	1.48E+03	2.03E-05	1.48E+03	1.84E+03	3.63E+02	0.00E+00	0.00E+00	0.00E+00	4.61E+00
HNA063U	7.87E-01	1.52E+02	1.53E+00	1.49E+02	0.00E+00	0.00E+00	2.48E+02	3.76E-04	9.34E-02	1.50E+00	0.00E+00	5.04E+00	1.89E-08	4.48E-07	2.05E+02	4.08E+00	0.00E+00	0.00E+00	2.70E-01	2.38E+01	3.70E+03	0.00E+00	6.79E-07	6.22E-06	2.95E-01	5.55E-03	9.08E+02	0.00E+00	3.70E+03	5.07E-05	3.70E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.15E+01
HNA063Z	5.59E-01	1.08E+02	1.08E+00	1.06E+02	0.00E+00	0.00E+00	1.76E+02	2.67E-04	6.63E-02	1.06E+00	0.00E+00	3.58E+00	1.34E-08	3.18E-07	1.46E+02	2.90E+00	0.00E+00	0.00E+00	1.92E-01	1.69E+01	2.63E+03	0.00E+00	4.82E-07	4.42E-06	2.10E-01	3.94E-03	6.44E+02	0.00E+00	2.63E+03	3.60E-05	2.63E+03	3.27E+03	6.44E+02	0.00E+00	0.00E+00	0.00E+00	8.19E+00
HNA064H	7.87E-01	1.52E+02	1.53E+00	1.49E+02	0.00E+00	0.00E+00	2.48E+02	3.76E-04	9.34E-02	1.50E+00	0.00E+00	5.04E+00	1.89E-08	4.48E-07	2.05E+02	4.08E+00	0.00E+00	0.00E+00	2.70E-01	2.38E+01	3.70E+03	0.00E+00	6.79E-07	6.22E-06	2.95E-01	5.55E-03	9.08E+02	0.00E+00	3.70E+03	5.07E-05	3.70E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.15E+01
HNA064M	3.15E-01	6.06E+01	6.11E-01	5.97E+01	0.00E+00	0.00E+00	9.92E+01	1.50E-04	3.74E-02	6.00E-01	0.00E+00	2.02E+00	7.54E-09	1.79E-07	8.21E+01	1.63E+00	0.00E+00	0.00E+00	1.08E-01	9.52E+00	1.48E+03	0.00E+00	2.72E-07	2.49E-06	1.18E-01	2.22E-03	3.63E+02	0.00E+00	1.48E+03	2.03E-05	1.48E+03	1.84E+03	3.63E+02	0.00E+00	0.00E+00	0.00E+00	4.61E+00
HNA064U	7.87E-01	1.52E+02	1.53E+00	1.49E+02	0.00E+00	0.00E+00	2.48E+02	3.76E-04	9.34E-02	1.50E+00	0.00E+00	5.04E+00	1.89E-08	4.48E-07	2.05E+02	4.08E+00	0.00E+00	0.00E+00	2.70E-01	2.38E+01	3.70E+03	0.00E+00	6.79E-07	6.22E-06	2.95E-01	5.55E-03	9.08E+02	0.00E+00	3.70E+03	5.07E-05	3.70E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.15E+01
HNA064Z	5.59E-01	1.08E+02	1.08E+00	1.06E+02	0.00E+00	0.00E+00	1.76E+02	2.67E-04	6.63E-02	1.06E+00	0.00E+00	3.58E+00	1.34E-08	3.18E-07	1.46E+02	2.90E+00	0.00E+00	0.00E+00	1.92E-01	1.69E+01	2.63E+03	0.00E+00	4.82E-07	4.42E-06	2.10E-01	3.94E-03	6.44E+02	0.00E+00	2.63E+03	3.60E-05	2.63E+03	3.27E+03	6.44E+02	0.00E+00	0.00E+00	0.00E+00	8.19E+00
HNA080H	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNA080M	4.02E-01	7.73E+01	7.79E-01	7.61E+01	0.00E+00	0.00E+00	1.26E+02	1.92E-04	4.77E-02	7.65E-01	0.00E+00	2.57E+00	9.61E-09	2.28E-07	1.05E+02	2.08E+00	0.00E+00	0.00E+00	1.38E-01	1.21E+01	1.89E+03	0.00E+00	3.46E-07	3.17E-06	1.51E-01	2.83E-03	4.63E+02	0.00E+00	1.89E+03	2.59E-05	1.89E+03	2.35E+03	4.63E+02	0.00E+00	0.00E+00	0.00E+00	5.88E+00
HNA080U	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNA080Z	4.96E-01	9.55E+01	9.62E-01	9.40E+01	0.00E+00	0.00E+00	1.56E+02	2.37E-04	5.89E-02	9.45E-01	0.00E+00	3.18E+00	1.19E-08	2.82E-07	1.29E+02	2.57E+00	0.00E+00	0.00E+00	1.70E-01	1.50E+01	2.33E+03	0.00E+00	4.28E-07	3.92E-06	1.86E-01	3.50E-03	5.72E+02	0.00E+00	2.33E+03	3.19E-05	2.33E+03	2.90E+03	5.72E+02	0.00E+00	0.00E+00	0.00E+00	7.26E+00
HNA081H	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNA081M	4.02E-01	7.73E+01	7.79E-01	7.61E+01	0.00E+00	0.00E+00	1.26E+02	1.92E-04	4.77E-02	7.65E-01	0.00E+00	2.57E+00	9.61E-09	2.28E-07	1.05E+02	2.08E+00	0.00E+00	0.00E+00	1.38E-01	1.21E+01	1.89E+03	0.00E+00	3.46E-07	3.17E-06	1.51E-01	2.83E-03	4.63E+02	0.00E+00	1.89E+03	2.59E-05	1.89E+03	2.35E+03	4.63E+02	0.00E+00	0.00E+00	0.00E+00	5.88E+00
HNA081U	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNA081Z	4.96E-01	9.55E+01	9.62E-01	9.40E+01	0.00E+00	0.00E+00	1.56E+02	2.37E-04	5.89E-02	9.45E-01	0.00E+00	3.18E+00	1.19E-08	2.82E-07	1.29E+02	2.57E+00	0.00E+00	0.00E+00	1.70E-01	1.50E+01	2.33E+03	0.00E+00	4.28E-07	3.92E-06	1.86E-01	3.50E-03	5.72E+02	0.00E+00	2.33E+03	3.19E-05	2.33E+03	2.90E+03	5.72E+02	0.00E+00	0.00E+00	0.00E+00	7.26E+00
HNA100H	9.37E-01	1.80E+02	1.82E+00	1.78E+02	0.00E+00	0.00E+00	2.95E+02	4.47E-04	1.11E-01	1.78E+00	0.00E+00	6.00E+00	2.24E-08	5.33E-07	2.44E+02	4.86E+00	0.00E+00	0.00E+00	3.21E-01	2.83E+01	4.40E+03	0.00E+00	8.08E-07	7.41E-06	3.52E-01	6.61E-03	1.08E+03	0.00E+00	4.40E+03	6.03E-05	4.40E+03	5.48E+03	1.08E+03	0.00E+00	0.00E+00	0.00E+00	1.37E+01
HNA100M	5.04E-01	9.70E+01	9.77E-01	9.55E+01	0.00E+00	0.00E+00	1.59E+02	2.40E-04	5.98E-02	9.60E-01	0.00E+00	3.23E+00	1.21E-08	2.87E-07	1.31E+02	2.61E+00	0.00E+00	0.00E+00	1.73E-01	1.52E+01	2.37E+03	0.00E+00	4.35E-07	3.98E-06	1.89E-01	3.55E-03	5.81E+02	0.00E+00	2.37E+03	3.24E-05	2.37E+03	2.95E+03	5.81E+02	0.00E+00	0.00E+00	0.00E+00	7.38E+00
HNA100U	9.37E-01	1.80E+02	1.82E+00	1.78E+02	0.00E+00	0.00E+00	2.95E+02	4.47E-04	1.11E-01	1.78E+00	0.00E+00	6.00E+00	2.24E-08	5.33E-07	2.44E+02	4.86E+00	0.00E+00	0.00E+00	3.21E-01	2.83E+01	4.40E+03	0.00E+00	8.08E-07	7.41E-06	3.52E-01	6.61E-03	1.08E+03	0.00E+00	4.40E+03	6.03E-05	4.40E+03	5.48E+03	1.08E+03	0.00E+00	0.00E+00	0.00E+00	1.37E+01
HNA100Z	1.02E+00	1.97E+02	1.99E+00	1.94E+02	0.00E+00	0.00E+00	3.22E+02	4.88E-04	1.21E-01	1.95E+00	0.00E+00	6.56E+00	2.45E-08	5.82E-07	2.67E+02	5.30E+00	0.00E+00	0.00E+00	3.51E-01	3.09E+01	4.81E+03	0.00E+00	8.83E-07	8.09E-06	3.84E-01	7.22E-03	1.18E+03	0.00E+00	4.81E+03	6.59E-05	4.81E+03	5.99E+03	1.18E+03	0.00E+00	0.00E+00	0.00E+00	1.50E+01
HNA101H	9.37E-01	1.80E+02	1.82E+00	1.78E+02	0.00E+00	0.00E+00	2.95E+02	4.47E-04	1.11E-01	1.78E+00	0.00E+00	6.00E+00	2.24E-08	5.33E-07	2.44E+02	4.86E+00	0.00E+00	0.00E+00	3.21E-01	2.83E+01	4.40E+03	0.00E+00	8.08E-07	7.41E-06	3.52E-01	6.61E-03	1.08E+03	0.00E+00	4.40E+03	6.03E-05	4.40E+03	5.48E+03	1.08E+03	0.00E+00	0.00E+00	0.00E+00	1.37E+01
HNA101M	5.04E-01	9.70E+01	9.77E-01	9.55E+01	0.00E+00	0.00E+00	1.59E+02	2.40E-04	5.98E-02	9.60E-01	0.00E+00	3.23E+00	1.21E-08	2.87E-07	1.31E+02	2.61E+00	0.00E+00	0.00E+00	1.73E-01	1.52E+01	2.37E+03	0.00E+00	4.35E-07	3.98E-06	1.89E-01	3.55E-03	5.81E+02	0.00E+00	2.37E+03	3.24E-05	2.37E+03	2.95E+03	5.81E+02	0.00E+00	0.00E+00	0.00E+00	7.38E+00
HNA101U	9.37E-01	1.80E+02	1.82E+00	1.78E+02	0.00E+00	0.00E+00	2.95E+02	4.47E-04	1.11E-01	1.78E+00	0.00E+00	6.00E+00	2.24E-08	5.33E-07	2.44E+02	4.86E+00	0.00E+00	0.00E+00	3.21E-01	2.83E+01	4.40E+03	0.00E+00	8.08E-07	7.41E-06	3.52E-01	6.61E-03	1.08E+03	0.00E+00	4.40E+03	6.03E-05	4.40E+03	5.48E+03	1.08E+03	0.00E+00	0.00E+00	0.00E+00	1.37E+01
HNA101Z	1.02E+00	1.97E+02	1.99E+00	1.94E+02	0.00E+00	0.00E+00	3.22E+02	4.88E-04	1.21E-01	1.95E+00	0.00E+00	6.56E+00	2.45E-08	5.82E-07	2.67E+02	5.30E+00	0.00E+00	0.00E+00	3.51E-01	3.09E+01	4.81E+03	0.00E+00	8.83E-07	8.09E-06	3.84E-01	7.22E-03	1.18E+03	0.00E+00	4.81E+03	6.59E-05	4.81E+03	5.99E+03	1.18E+03	0.00E+00	0.00E+00	0.00E+00	1.50E+01
HNA125H	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HNA125M	6.30E-01	1.21E+02	1.22E+00	1.19E+02	0.00E+00	0.00E+00	1.98E+02	3.00E-04	7.47E-02	1.20E+00	0.00E+00	4.04E+00	1.51E-08	3.58E-07	1.64E+02	3.26E+00	0.00E+00	0.00E+00	2.16E-01	1.90E+01	2.96E+03	0.00E+00	5.43E-07	4.98E-06	2.36E-01	4.44E-03	7.26E+02	0.00E+00	2.96E+03	4.06E-05	2.96E+03	3.69E+03	7.26E+02	0.00E+00	0.00E+00	0.00E+00	9.22E+00
HNA125U	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HNA125Z	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HNA126H	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HNA126M	6.30E-01	1.21E+02	1.22E+00	1.19E+02	0.00E+00	0.00E+00	1.98E+02	3.00E-04	7.47E-02	1.20E+00	0.00E+00	4.04E+00	1.51E-08	3.58E-07	1.64E+02	3.26E+00	0.00E+00	0.00E+00	2.16E-01	1.90E+01	2.96E+03	0.00E+00	5.43E-07	4.98E-06	2.36E-01	4.44E-03	7.26E+02	0.00E+00	2.96E+03	4.06E-05	2.96E+03	3.69E+03	7.26E+02	0.00E+00	0.00E+00	0.00E+00	9.22E+00
HNA126U	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HNA126Z	8.66E-01	1.67E+02	1.68E+00	1.64E+02	0.00E+00	0.00E+00	2.73E+02	4.13E-04	1.03E-01	1.65E+00	0.00E+00	5.55E+00	2.07E-08	4.93E-07	2.26E+02	4.49E+00	0.00E+00	0.00E+00	2.97E-01	2.62E+01	4.07E+03	0.00E+00	7.47E-07	6.85E-06	3.25E-01	6.11E-03	9.98E+02	0.00E+00	4.07E+03	5.58E-05	4.07E+03	5.07E+03	9.98E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+01
HNA160H	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HNA160M	8.08E-01	1.56E+02	1.57E+00	1.53E+02	0.00E+00	0.00E+00	2.55E+02	3.86E-04	9.59E-02	1.54E+00	0.00E+00	5.18E+00	1.94E-08	4.60E-07	2.11E+02	4.19E+00	0.00E+00	0.00E+00	2.77E-01	2.44E+01	3.80E+03	0.00E+00	6.97E-07	6.39E-06	3.03E-01	5.70E-03	9.32E+02	0.00E+00	3.80E+03	5.21E-05	3.80E+03	4.73E+03	9.32E+02	0.00E+00	0.00E+00	0.00E+00	1.18E+01
HNA160U	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HNA160Z	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HNA161H	1.04E+00	2.03E+02	3.73E-01	2.02E+02	0.00E+00	0.00E+00	3.83E+02	5.34E-04	1.27E-01	2.03E+00	0.00E+00	8.89E+00	2.55E-08	6.09E-07	2.92E+02	5.61E+00	0.00E+00	0.00E+00	3.65E-01	3.43E+01	5.12E+03	0.00E+00	9.83E-07	8.37E-06	3.98E-01	7.86E-03	1.36E+03	0.00E+00	5.12E+03	7.18E-05	5.12E+03	6.48E+03	1.36E+03	0.00E+00	0.00E+00	0.00E+00	1.55E+01
HNA161M	8.08E-01	1.56E+02	1.57E+00	1.53E+02	0.00E+00	0.00E+00	2.55E+02	3.86E-04	9.59E-02	1.54E+00	0.00E+00	5.18E+00	1.94E-08	4.60E-07	2.11E+02	4.19E+00	0.00E+00	0.00E+00	2.77E-01	2.44E+01	3.80E+03	0.00E+00	6.97E-07	6.39E-06	3.03E-01	5.70E-03	9.32E+02	0.00E+00	3.80E+03	5.21E-05	3.80E+03	4.73E+03	9.32E+02	0.00E+00	0.00E+00	0.00E+00	1.18E+01
HNA161U	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HNA161Z	1.15E+00	2.21E+02	2.23E+00	2.18E+02	0.00E+00	0.00E+00	3.62E+02	5.48E-04	1.36E-01	2.19E+00	0.00E+00	7.37E+00	2.75E-08	6.54E-07	2.99E+02	5.96E+00	0.00E+00	0.00E+00	3.94E-01	3.48E+01	5.40E+03	0.00E+00	9.91E-07	9.09E-06	4.31E-01	8.11E-03	1.33E+03	0.00E+00	5.40E+03	7.40E-05	5.40E+03	6.73E+03	1.33E+03	0.00E+00	0.00E+00	0.00E+00	1.68E+01
HNB100H	6.89E-01	1.32E+02	2.91E+00	1.29E+02	0.00E+00	0.00E+00	1.97E+02	3.15E-04	8.07E-02	1.29E+00	0.00E+00	3.64E+00	1.63E-08	3.86E-07	1.72E+02	3.49E+00	0.00E+00	0.00E+00	2.33E-01	1.99E+01	3.16E+03	0.00E+00	5.64E-07	5.40E-06	2.56E-01	4.68E-03	7.40E+02	0.00E+00	3.16E+03	4.27E-05	3.16E+03	3.90E+03	7.40E+02	0.00E+00	0.00E+00	0.00E+00	9.99E+00
HNB100U	6.51E-01	1.25E+02	1.26E+00	1.23E+02	0.00E+00	0.00E+00	2.05E+02	3.10E-04	7.72E-02	1.24E+00	0.00E+00	4.17E+00	1.56E-08	3.70E-07	1.70E+02	3.37E+00	0.00E+00	0.00E+00	2.23E-01	1.97E+01	3.06E+03	0.00E+00	5.61E-07	5.15E-06	2.44E-01	4.59E-03	7.50E+02	0.00E+00	3.06E+03	4.19E-05	3.06E+03	3.81E+03	7.50E+02	0.00E+00	0.00E+00	0.00E+00	9.53E+00
HNB100Z	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNB101H	6.51E-01	1.25E+02	1.26E+00	1.23E+02	0.00E+00	0.00E+00	2.05E+02	3.10E-04	7.72E-02	1.24E+00	0.00E+00	4.17E+00	1.56E-08	3.70E-07	1.70E+02	3.37E+00	0.00E+00	0.00E+00	2.23E-01	1.97E+01	3.06E+03	0.00E+00	5.61E-07	5.15E-06	2.44E-01	4.59E-03	7.50E+02	0.00E+00	3.06E+03	4.19E-05	3.06E+03	3.81E+03	7.50E+02	0.00E+00	0.00E+00	0.00E+00	9.53E+00
HNB101U	6.51E-01	1.25E+02	1.26E+00	1.23E+02	0.00E+00	0.00E+00	2.05E+02	3.10E-04	7.72E-02	1.24E+00	0.00E+00	4.17E+00	1.56E-08	3.70E-07	1.70E+02	3.37E+00	0.00E+00	0.00E+00	2.23E-01	1.97E+01	3.06E+03	0.00E+00	5.61E-07	5.15E-06	2.44E-01	4.59E-03	7.50E+02	0.00E+00	3.06E+03	4.19E-05	3.06E+03	3.81E+03	7.50E+02	0.00E+00	0.00E+00	0.00E+00	9.53E+00
HNB101Z	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNB102H	6.51E-01	1.25E+02	1.26E+00	1.23E+02	0.00E+00	0.00E+00	2.05E+02	3.10E-04	7.72E-02	1.24E+00	0.00E+00	4.17E+00	1.56E-08	3.70E-07	1.70E+02	3.37E+00	0.00E+00	0.00E+00	2.23E-01	1.97E+01	3.06E+03	0.00E+00	5.61E-07	5.15E-06	2.44E-01	4.59E-03	7.50E+02	0.00E+00	3.06E+03	4.19E-05	3.06E+03	3.81E+03	7.50E+02	0.00E+00	0.00E+00	0.00E+00	9.53E+00
HNB125H	7.27E-01	1.40E+02	1.41E+00	1.38E+02	0.00E+00	0.00E+00	2.29E+02	3.47E-04	8.63E-02	1.38E+00	0.00E+00	4.66E+00	1.74E-08	4.14E-07	1.89E+02	3.77E+00	0.00E+00	0.00E+00	2.49E-01	2.20E+01	3.42E+03	0.00E+00	6.27E-07	5.75E-06	2.73E-01	5.13E-03	8.38E+02	0.00E+00	3.42E+03	4.68E-05	3.42E+03	4.26E+03	8.38E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HNB125Z	7.27E-01	1.40E+02	1.41E+00	1.38E+02	0.00E+00	0.00E+00	2.29E+02	3.47E-04	8.63E-02	1.38E+00	0.00E+00	4.66E+00	1.74E-08	4.14E-07	1.89E+02	3.77E+00	0.00E+00	0.00E+00	2.49E-01	2.20E+01	3.42E+03	0.00E+00	6.27E-07	5.75E-06	2.73E-01	5.13E-03	8.38E+02	0.00E+00	3.42E+03	4.68E-05	3.42E+03	4.26E+03	8.38E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HNB126H	7.27E-01	1.40E+02	1.41E+00	1.38E+02	0.00E+00	0.00E+00	2.29E+02	3.47E-04	8.63E-02	1.38E+00	0.00E+00	4.66E+00	1.74E-08	4.14E-07	1.89E+02	3.77E+00	0.00E+00	0.00E+00	2.49E-01	2.20E+01	3.42E+03	0.00E+00	6.27E-07	5.75E-06	2.73E-01	5.13E-03	8.38E+02	0.00E+00	3.42E+03	4.68E-05	3.42E+03	4.26E+03	8.38E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HNB126U	7.27E-01	1.40E+02	1.41E+00	1.38E+02	0.00E+00	0.00E+00	2.29E+02	3.47E-04	8.63E-02	1.38E+00	0.00E+00	4.66E+00	1.74E-08	4.14E-07	1.89E+02	3.77E+00	0.00E+00	0.00E+00	2.49E-01	2.20E+01	3.42E+03	0.00E+00	6.27E-07	5.75E-06	2.73E-01	5.13E-03	8.38E+02	0.00E+00	3.42E+03	4.68E-05	3.42E+03	4.26E+03	8.38E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HNB126Z	7.27E-01	1.40E+02	1.41E+00	1.38E+02	0.00E+00	0.00E+00	2.29E+02	3.47E-04	8.63E-02	1.38E+00	0.00E+00	4.66E+00	1.74E-08	4.14E-07	1.89E+02	3.77E+00	0.00E+00	0.00E+00	2.49E-01	2.20E+01	3.42E+03	0.00E+00	6.27E-07	5.75E-06	2.73E-01	5.13E-03	8.38E+02	0.00E+00	3.42E+03	4.68E-05	3.42E+03	4.26E+03	8.38E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HNB127H	7.27E-01	1.40E+02	1.41E+00	1.38E+02	0.00E+00	0.00E+00	2.29E+02	3.47E-04	8.63E-02	1.38E+00	0.00E+00	4.66E+00	1.74E-08	4.14E-07	1.89E+02	3.77E+00	0.00E+00	0.00E+00	2.49E-01	2.20E+01	3.42E+03	0.00E+00	6.27E-07	5.75E-06	2.73E-01	5.13E-03	8.38E+02	0.00E+00	3.42E+03	4.68E-05	3.42E+03	4.26E+03	8.38E+02	0.00E+00	0.00E+00	0.00E+00	1.06E+01
HNB160H	7.74E-01	1.51E+02	2.78E-01	1.51E+02	0.00E+00	0.00E+00	2.85E+02	3.97E-04	9.42E-02	1.51E+00	0.00E+00	6.62E+00	1.90E-08	4.54E-07	2.17E+02	4.18E+00	0.00E+00	0.00E+00	2.72E-01	2.55E+01	3.81E+03	0.00E+00	7.32E-07	6.23E-06	2.97E-01	5.85E-03	1.01E+03	0.00E+00	3.81E+03	5.34E-05	3.81E+03	4.82E+03	1.01E+03	0.00E+00	0.00E+00	0.00E+00	1.16E+01
HNB160U	7.74E-01	1.51E+02	2.78E-01	1.51E+02	0.00E+00	0.00E+00	2.85E+02	3.97E-04	9.42E-02	1.51E+00	0.00E+00	6.62E+00	1.90E-08	4.54E-07	2.17E+02	4.18E+00	0.00E+00	0.00E+00	2.72E-01	2.55E+01	3.81E+03	0.00E+00	7.32E-07	6.23E-06	2.97E-01	5.85E-03	1.01E+03	0.00E+00	3.81E+03	5.34E-05	3.81E+03	4.82E+03	1.01E+03	0.00E+00	0.00E+00	0.00E+00	1.16E+01
HNB160Z	8.56E-01	1.65E+02	1.66E+00	1.62E+02	0.00E+00	0.00E+00	2.69E+02	4.08E-04	1.02E-01	1.63E+00	0.00E+00	5.48E+00	2.05E-08	4.87E-07	2.23E+02	4.43E+00	0.00E+00	0.00E+00	2.93E-01	2.59E+01	4.02E+03	0.00E+00	7.38E-07	6.76E-06	3.21E-01	6.04E-03	9.86E+02	0.00E+00	4.02E+03	5.51E-05	4.02E+03	5.01E+03	9.86E+02	0.00E+00	0.00E+00	0.00E+00	1.25E+01
HNB161H	8.56E-01	1.65E+02	1.66E+00	1.62E+02	0.00E+00	0.00E+00	2.69E+02	4.08E-04	1.02E-01	1.63E+00	0.00E+00	5.48E+00	2.05E-08	4.87E-07	2.23E+02	4.43E+00	0.00E+00	0.00E+00	2.93E-01	2.59E+01	4.02E+03	0.00E+00	7.38E-07	6.76E-06	3.21E-01	6.04E-03	9.86E+02	0.00E+00	4.02E+03	5.51E-05	4.02E+03	5.01E+03	9.86E+02	0.00E+00	0.00E+00	0.00E+00	1.25E+01
HNB161Z	8.56E-01	1.65E+02	1.66E+00	1.62E+02	0.00E+00	0.00E+00	2.69E+02	4.08E-04	1.02E-01	1.63E+00	0.00E+00	5.48E+00	2.05E-08	4.87E-07	2.23E+02	4.43E+00	0.00E+00	0.00E+00	2.93E-01	2.59E+01	4.02E+03	0.00E+00	7.38E-07	6.76E-06	3.21E-01	6.04E-03	9.86E+02	0.00E+00	4.02E+03	5.51E-05	4.02E+03	5.01E+03	9.86E+02	0.00E+00	0.00E+00	0.00E+00	1.25E+01
HNB162H	8.56E-01	1.65E+02	1.66E+00	1.62E+02	0.00E+00	0.00E+00	2.69E+02	4.08E-04	1.02E-01	1.63E+00	0.00E+00	5.48E+00	2.05E-08	4.87E-07	2.23E+02	4.43E+00	0.00E+00	0.00E+00	2.93E-01	2.59E+01	4.02E+03	0.00E+00	7.38E-07	6.76E-06	3.21E-01	6.04E-03	9.86E+02	0.00E+00	4.02E+03	5.51E-05	4.02E+03	5.01E+03	9.86E+02	0.00E+00	0.00E+00	0.00E+00	1.25E+01
HNB200H	5.89E-01	1.15E+02	2.11E-01	1.15E+02	0.00E+00	0.00E+00	2.17E+02	3.02E-04	7.17E-02	1.15E+00	0.00E+00	5.03E+00	1.44E-08	3.45E-07	1.65E+02	3.18E+00	0.00E+00	0.00E+00	2.07E-01	1.94E+01	2.90E+03	0.00E+00	5.57E-07	4.74E-06	2.26E-01	4.45E-03	7.67E+02	0.00E+00	2.90E+03	4.06E-05	2.90E+03	3.67E+03	7.67E+02	0.00E+00	0.00E+00	0.00E+00	8.80E+00
HNB200U	5.89E-01	1.15E+02	2.11E-01	1.15E+02	0.00E+00	0.00E+00	2.17E+02	3.02E-04	7.17E-02	1.15E+00	0.00E+00	5.03E+00	1.44E-08	3.45E-07	1.65E+02	3.18E+00	0.00E+00	0.00E+00	2.07E-01	1.94E+01	2.90E+03	0.00E+00	5.57E-07	4.74E-06	2.26E-01	4.45E-03	7.67E+02	0.00E+00	2.90E+03	4.06E-05	2.90E+03	3.67E+03	7.67E+02	0.00E+00	0.00E+00	0.00E+00	8.80E+00
HNB200Z	1.01E+00	1.94E+02	1.95E+00	1.91E+02	0.00E+00	0.00E+00	3.17E+02	4.81E-04	1.20E-01	1.92E+00	0.00E+00	6.46E+00	2.41E-08	5.73E-07	2.63E+02	5.22E+00	0.00E+00	0.00E+00	3.46E-01	3.05E+01	4.74E+03	0.00E+00	8.69E-07	7.97E-06	3.78E-01	7.11E-03	1.16E+03	0.00E+00	4.74E+03	6.49E-05	4.74E+03	5.90E+03	1.16E+03	0.00E+00	0.00E+00	0.00E+00	1.48E+01
HNB201H	5.89E-01	1.15E+02	2.11E-01	1.15E+02	0.00E+00	0.00E+00	2.17E+02	3.02E-04	7.17E-02	1.15E+00	0.00E+00	5.03E+00	1.44E-08	3.45E-07	1.65E+02	3.18E+00	0.00E+00	0.00E+00	2.07E-01	1.94E+01	2.90E+03	0.00E+00	5.57E-07	4.74E-06	2.26E-01	4.45E-03	7.67E+02	0.00E+00	2.90E+03	4.06E-05	2.90E+03	3.67E+03	7.67E+02	0.00E+00	0.00E+00	0.00E+00	8.80E+00
HNB201U	6.51E-01	1.25E+02	1.26E+00	1.23E+02	0.00E+00	0.00E+00	2.05E+02	3.10E-04	7.72E-02	1.24E+00	0.00E+00	4.17E+00	1.56E-08	3.70E-07	1.70E+02	3.37E+00	0.00E+00	0.00E+00	2.23E-01	1.97E+01	3.06E+03	0.00E+00	5.61E-07	5.15E-06	2.44E-01	4.59E-03	7.50E+02	0.00E+00	3.06E+03	4.19E-05	3.06E+03	3.81E+03	7.50E+02	0.00E+00	0.00E+00	0.00E+00	9.53E+00
HNB201Z	1.01E+00	1.94E+02	1.95E+00	1.91E+02	0.00E+00	0.00E+00	3.17E+02	4.81E-04	1.20E-01	1.92E+00	0.00E+00	6.46E+00	2.41E-08	5.73E-07	2.63E+02	5.22E+00	0.00E+00	0.00E+00	3.46E-01	3.05E+01	4.74E+03	0.00E+00	8.69E-07	7.97E-06	3.78E-01	7.11E-03	1.16E+03	0.00E+00	4.74E+03	6.49E-05	4.74E+03	5.90E+03	1.16E+03	0.00E+00	0.00E+00	0.00E+00	1.48E+01
HNB202H	6.51E-01	1.25E+02	1.26E+00	1.23E+02	0.00E+00	0.00E+00	2.05E+02	3.10E-04	7.72E-02	1.24E+00	0.00E+00	4.17E+00	1.56E-08	3.70E-07	1.70E+02	3.37E+00	0.00E+00	0.00E+00	2.23E-01	1.97E+01	3.06E+03	0.00E+00	5.61E-07	5.15E-06	2.44E-01	4.59E-03	7.50E+02	0.00E+00	3.06E+03	4.19E-05	3.06E+03	3.81E+03	7.50E+02	0.00E+00	0.00E+00	0.00E+00	9.53E+00
HNB250H	1.14E+00	2.22E+02	4.09E-01	2.22E+02	0.00E+00	0.00E+00	4.20E+02	5.85E-04	1.39E-01	2.23E+00	0.00E+00	9.74E+00	2.80E-08	6.68E-07	3.20E+02	6.15E+00	0.00E+00	0.00E+00	4.00E-01	3.75E+01	5.61E+03	0.00E+00	1.08E-06	9.17E-06	4.37E-01	8.61E-03	1.49E+03	0.00E+00	5.61E+03	7.86E-05	5.61E+03	7.10E+03	1.49E+03	0.00E+00	0.00E+00	0.00E+00	1.70E+01
HNB250U	1.14E+00	2.22E+02	4.09E-01	2.22E+02	0.00E+00	0.00E+00	4.20E+02	5.85E-04	1.39E-01	2.23E+00	0.00E+00	9.74E+00	2.80E-08	6.68E-07	3.20E+02	6.15E+00	0.00E+00	0.00E+00	4.00E-01	3.75E+01	5.61E+03	0.00E+00	1.08E-06	9.17E-06	4.37E-01	8.61E-03	1.49E+03	0.00E+00	5.61E+03	7.86E-05	5.61E+03	7.10E+03	1.49E+03	0.00E+00	0.00E+00	0.00E+00	1.70E+01
HNB250Z	1.26E+00	2.42E+02	2.44E+00	2.39E+02	0.00E+00	0.00E+00	3.97E+02	6.01E-04	1.49E-01	2.40E+00	0.00E+00	8.07E+00	3.02E-08	7.17E-07	3.28E+02	6.53E+00	0.00E+00	0.00E+00	4.32E-01	3.81E+01	5.92E+03	0.00E+00	1.09E-06	9.96E-06	4.73E-01	8.89E-03	1.45E+03	0.00E+00	5.92E+03	8.11E-05	5.92E+03	7.37E+03	1.45E+03	0.00E+00	0.00E+00	0.00E+00	1.84E+01
HNB251H	1.14E+00	2.22E+02	4.09E-01	2.22E+02	0.00E+00	0.00E+00	4.20E+02	5.85E-04	1.39E-01	2.23E+00	0.00E+00	9.74E+00	2.80E-08	6.68E-07	3.20E+02	6.15E+00	0.00E+00	0.00E+00	4.00E-01	3.75E+01	5.61E+03	0.00E+00	1.08E-06	9.17E-06	4.37E-01	8.61E-03	1.49E+03	0.00E+00	5.61E+03	7.86E-05	5.61E+03	7.10E+03	1.49E+03	0.00E+00	0.00E+00	0.00E+00	1.70E+01
HNB251U	1.26E+00	2.42E+02	2.44E+00	2.39E+02	0.00E+00	0.00E+00	3.97E+02	6.01E-04	1.49E-01	2.40E+00	0.00E+00	8.07E+00	3.02E-08	7.17E-07	3.28E+02	6.53E+00	0.00E+00	0.00E+00	4.32E-01	3.81E+01	5.92E+03	0.00E+00	1.09E-06	9.96E-06	4.73E-01	8.89E-03	1.45E+03	0.00E+00	5.92E+03	8.11E-05	5.92E+03	7.37E+03	1.45E+03	0.00E+00	0.00E+00	0.00E+00	1.84E+01
HNB251Z	1.26E+00	2.42E+02	2.44E+00	2.39E+02	0.00E+00	0.00E+00	3.97E+02	6.01E-04	1.49E-01	2.40E+00	0.00E+00	8.07E+00	3.02E-08	7.17E-07	3.28E+02	6.53E+00	0.00E+00	0.00E+00	4.32E-01	3.81E+01	5.92E+03	0.00E+00	1.09E-06	9.96E-06	4.73E-01	8.89E-03	1.45E+03	0.00E+00	5.92E+03	8.11E-05	5.92E+03	7.37E+03	1.45E+03	0.00E+00	0.00E+00	0.00E+00	1.84E+01

HNB252H	1.33E+00	2.55E+02	5.63E+00	2.49E+02	0.00E+00	0.00E+00	3.82E+02	6.11E-04	1.56E-01	2.50E+00	0.00E+00	7.04E+00	3.15E-08	7.47E-07	3.34E+02	6.76E+00	0.00E+00	0.00E+00	4.52E-01	3.84E+01	6.11E+03	0.00E+00	1.09E-06	1.04E-05	4.95E-01	9.06E-03	1.43E+03	0.00E+00	6.11E+03	8.27E-05	6.11E+03	7.55E+03	1.43E+03	0.00E+00	0.00E+00	0.00E+00	1.93E+01
HNJ250DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HNJ251DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HNJ320BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HNJ320DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HNJ321DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HNJ400DR	2.22E+00	4.25E+02	9.39E+00	4.16E+02	0.00E+00	0.00E+00	6.37E+02	1.02E-03	2.60E-01	4.17E+00	0.00E+00	1.17E+01	5.26E-08	1.24E-06	5.56E+02	1.13E+01	0.00E+00	0.00E+00	7.53E-01	6.40E+01	1.02E+04	0.00E+00	1.82E-06	1.74E-05	8.25E-01	1.51E-02	2.39E+03	0.00E+00	1.02E+04	1.38E-04	1.02E+04	1.26E+04	2.39E+03	0.00E+00	0.00E+00	0.00E+00	3.22E+01
HNJ401DR	2.22E+00	4.25E+02	9.39E+00	4.16E+02	0.00E+00	0.00E+00	6.37E+02	1.02E-03	2.60E-01	4.17E+00	0.00E+00	1.17E+01	5.26E-08	1.24E-06	5.56E+02	1.13E+01	0.00E+00	0.00E+00	7.53E-01	6.40E+01	1.02E+04	0.00E+00	1.82E-06	1.74E-05	8.25E-01	1.51E-02	2.39E+03	0.00E+00	1.02E+04	1.38E-04	1.02E+04	1.26E+04	2.39E+03	0.00E+00	0.00E+00	0.00E+00	3.22E+01
HNJ500BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HNJ630DE	4.04E+00	7.71E+02	1.70E+01	7.54E+02	0.00E+00	0.00E+00	1.16E+03	1.85E-03	4.72E-01	7.57E+00	0.00E+00	2.13E+01	9.54E-08	2.26E-06	1.01E+03	2.04E+01	0.00E+00	0.00E+00	1.37E+00	1.16E+02	1.85E+04	0.00E+00	3.30E-06	3.16E-05	1.50E+00	2.74E-02	4.33E+03	0.00E+00	1.85E+04	2.50E-04	1.85E+04	2.28E+04	4.33E+03	0.00E+00	0.00E+00	0.00E+00	5.85E+01
HNJ631DE	4.04E+00	7.71E+02	1.70E+01	7.54E+02	0.00E+00	0.00E+00	1.16E+03	1.85E-03	4.72E-01	7.57E+00	0.00E+00	2.13E+01	9.54E-08	2.26E-06	1.01E+03	2.04E+01	0.00E+00	0.00E+00	1.37E+00	1.16E+02	1.85E+04	0.00E+00	3.30E-06	3.16E-05	1.50E+00	2.74E-02	4.33E+03	0.00E+00	1.85E+04	2.50E-04	1.85E+04	2.28E+04	4.33E+03	0.00E+00	0.00E+00	0.00E+00	5.85E+01
HNS025BC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HNS025BR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HNS025DC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HNS025DR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HNS026BC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HNS026BR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HNS026DC	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HNS026DR	5.12E-01	9.85E+01	9.93E-01	9.70E+01	0.00E+00	0.00E+00	1.61E+02	2.44E-04	6.07E-02	9.75E-01	0.00E+00	3.28E+00	1.23E-08	2.91E-07	1.33E+02	2.65E+00	0.00E+00	0.00E+00	1.76E-01	1.55E+01	2.41E+03	0.00E+00	4.41E-07	4.05E-06	1.92E-01	3.61E-03	5.90E+02	0.00E+00	2.41E+03	3.30E-05	2.41E+03	3.00E+03	5.90E+02	0.00E+00	0.00E+00	0.00E+00	7.49E+00
HNS040BC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNS040BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNS040DC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNS040DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNS041BC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNS041BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNS041DC	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNS041DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNS050BC	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HNS050BR	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HNS051BC	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HNS051BR	5.91E-01	1.14E+02	1.15E+00	1.12E+02	0.00E+00	0.00E+00	1.86E+02	2.82E-04	7.01E-02	1.12E+00	0.00E+00	3.78E+00	1.41E-08	3.36E-07	1.54E+02	3.06E+00	0.00E+00	0.00E+00	2.03E-01	1.79E+01	2.78E+03	0.00E+00	5.09E-07	4.67E-06	2.22E-01	4.17E-03	6.81E+02	0.00E+00	2.78E+03	3.80E-05	2.78E+03	3.46E+03	6.81E+02	0.00E+00	0.00E+00	0.00E+00	8.65E+00
HNS063BC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HNS063BR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HNS063DC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HNS063DR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HNS064BC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HNS064BR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HNS064DC	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HNS064DR	2.76E-01	5.30E+01	5.35E-01	5.22E+01	0.00E+00	0.00E+00	8.68E+01	1.31E-04	3.27E-02	5.25E-01	0.00E+00	1.77E+00	6.60E-09	1.57E-07	7.18E+01	1.43E+00	0.00E+00	0.00E+00	9.45E-02	8.33E+00	1.30E+03	0.00E+00	2.38E-07	2.18E-06	1.03E-01	1.94E-03	3.18E+02	0.00E+00	1.30E+03	1.77E-05	1.30E+03	1.61E+03	3.18E+02	0.00E+00	0.00E+00	0.00E+00	4.04E+00
HNS080BC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNS080BR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNS080DC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNS080DR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNS081BC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNS081BR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNS081DC	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNS081DR	4.65E-01	8.94E+01	9.01E-01	8.81E+01	0.00E+00	0.00E+00	1.46E+02	2.22E-04	5.51E-02	8.85E-01	0.00E+00	2.98E+00	1.11E-08	2.64E-07	1.21E+02	2.41E+00	0.00E+00	0.00E+00	1.59E-01	1.40E+01	2.18E+03	0.00E+00	4.01E-07	3.67E-06	1.74E-01	3.28E-03	5.35E+02	0.00E+00	2.18E+03	2.99E-05	2.18E+03	2.72E+03	5.35E+02	0.00E+00	0.00E+00	0.00E+00	6.80E+00
HNS100BC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HNS100BR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HNS100DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HNS100DR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HNS101BC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HNS101BR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HNS101DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HNS101DR	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HNS102DC	5.28E-01	1.02E+02	1.02E+00	1.00E+02	0.00E+00	0.00E+00	1.66E+02	2.52E-04	6.26E-02	1.00E+00	0.00E+00	3.38E+00	1.26E-08	3.00E-07	1.37E+02	2.73E+00	0.00E+00	0.00E+00	1.81E-01	1.59E+01	2.48E+03	0.00E+00	4.55E-07	4.17E-06	1.98E-01	3.72E-03	6.08E+02	0.00E+00	2.48E+03	3.40E-05	2.48E+03	3.09E+03	6.08E+02	0.00E+00	0.00E+00	0.00E+00	7.73E+00
HNS125BC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNS125BR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNS125DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNS125DR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNS126BC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNS126BR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNS126DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNS126DR	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNS127DC	8.43E-01	1.62E+02	1.63E+00	1.60E+02	0.00E+00	0.00E+00	2.65E+02	4.02E-04	1.00E-01	1.60E+00	0.00E+00	5.40E+00	2.02E-08	4.79E-07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E-01	2.55E+01	3.96E+03	0.00E+00	7.27E-07	6.66E-06	3.16E-01	5.94E-03	9.71E+02	0.00E+00	3.96E+03	5.43E-05	3.96E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNS160BC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HNS160BR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HNS160DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HNS160DR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HNS161BC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HNS161BR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HNS161DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HNS161DR	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HNS162DC	1.11E+00	2.14E+02	2.15E+00	2.10E+02	0.00E+00	0.00E+00	3.50E+02	5.30E-04	1.32E-01	2.11E+00	0.00E+00	7.11E+00	2.66E-08	6.32E-07	2.89E+02	5.75E+00	0.00E+00	0.00E+00	3.81E-01	3.36E+01	5.22E+03	0.00E+00	9.57E-07	8.78E-06	4.17E-01	7.83E-03	1.28E+03	0.00E+00	5.22E+03	7.15E-05	5.22E+03	6.50E+03	1.28E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+01
HNT050DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HNT051DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HNT063DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HNT064DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HNT100BR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HNT100DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HNT101BR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HNT101DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HNT102DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HNT125BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNT125DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01

End Of Life C1-C4

HNT126BR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNT126DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNT127DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HNT160BR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HNT160DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HNT161BR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HNT161DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HNT162DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HNT200BR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HNT200DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HNT201BR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HNT201DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HNT202DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HNT250BR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HNT250DR	1.20E+00	2.35E+02	4.32E-01	2.34E+02	0.00E+00	0.00E+00	4.44E+02	6.18E-04	1.47E-01	2.35E+00	0.00E+00	1.03E+01	2.95E-08	7.05E-07	3.38E+02	6.50E+00	0.00E+00	0.00E+00	4.23E-01	3.96E+01	5.93E+03	0.00E+00	1.14E-06	9.68E-06	4.61E-01	9.10E-03	1.57E+03	0.00E+00	5.93E+03	8.31E-05	5.93E+03	7.50E+03	1.57E+03	0.00E+00	0.00E+00	0.00E+00	1.80E+01
HNT251BR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HNT251DR	1.20E+00	2.35E+02	4.32E-01	2.34E+02	0.00E+00	0.00E+00	4.44E+02	6.18E-04	1.47E-01	2.35E+00	0.00E+00	1.03E+01	2.95E-08	7.05E-07	3.38E+02	6.50E+00	0.00E+00	0.00E+00	4.23E-01	3.96E+01	5.93E+03	0.00E+00	1.14E-06	9.68E-06	4.61E-01	9.10E-03	1.57E+03	0.00E+00	5.93E+03	8.31E-05	5.93E+03	7.50E+03	1.57E+03	0.00E+00	0.00E+00	0.00E+00	1.80E+01
HNT252DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HNW250DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HNW251DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HNW320BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HNW320DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HNW321BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HNW321DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HNW400DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HNW401DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HNW500BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HNW501BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HPW250DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HPW251DR	1.87E+00	3.61E+02	3.64E+00	3.55E+02	0.00E+00	0.00E+00	5.90E+02	8.94E-04	2.22E-01	3.57E+00	0.00E+00	1.20E+01	4.49E-08	1.07E-06	4.88E+02	9.71E+00	0.00E+00	0.00E+00	6.43E-01	5.67E+01	8.81E+03	0.00E+00	1.62E-06	1.48E-05	7.03E-01	1.32E-02	2.16E+03	0.00E+00	8.81E+03	1.21E-04	8.81E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HPW320BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HPW320DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HPW321BR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HPW321DR	1.97E+00	3.79E+02	3.82E+00	3.73E+02	0.00E+00	0.00E+00	6.20E+02	9.39E-04	2.34E-01	3.75E+00	0.00E+00	1.26E+01	4.71E-08	1.12E-06	5.13E+02	1.02E+01	0.00E+00	0.00E+00	6.75E-01	5.95E+01	9.25E+03	0.00E+00	1.70E-06	1.56E-05	7.39E-01	1.39E-02	2.27E+03	0.00E+00	9.25E+03	1.27E-04	9.25E+03	1.15E+04	2.27E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+01
HPW400DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HPW401DR	3.04E+00	5.86E+02	5.91E+00	5.77E+02	0.00E+00	0.00E+00	9.59E+02	1.45E-03	3.61E-01	5.80E+00	0.00E+00	1.95E+01	7.29E-08	1.73E-06	7.93E+02	1.58E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E-06	2.41E-05	1.14E+00	2.15E-02	3.51E+03	0.00E+00	1.43E+04	1.96E-04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HPW500BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HPW501BR	2.99E+00	5.76E+02	5.80E+00	5.67E+02	0.00E+00	0.00E+00	9.42E+02	1.43E-03	3.55E-01	5.70E+00	0.00E+00	1.92E+01	7.16E-08	1.70E-06	7.79E+02	1.55E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E-06	2.37E-05	1.12E+00	2.11E-02	3.45E+03	0.00E+00	1.41E+04	1.93E-04	1.41E+04	1.75E+04	3.45E+03	0.00E+00	0.00E+00	0.00E+00	4.38E+01
HST050DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HST051DR	3.94E-01	7.58E+01	7.64E-01	7.46E+01	0.00E+00	0.00E+00	1.24E+02	1.88E-04	4.67E-02	7.50E-01	0.00E+00	2.52E+00	9.43E-09	2.24E-07	1.03E+02	2.04E+00	0.00E+00	0.00E+00	1.35E-01	1.19E+01	1.85E+03	0.00E+00	3.39E-07	3.11E-06	1.48E-01	2.78E-03	4.54E+02	0.00E+00	1.85E+03	2.54E-05	1.85E+03	2.30E+03	4.54E+02	0.00E+00	0.00E+00	0.00E+00	5.77E+00
HST063DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HST064DR	3.66E-01	7.05E+01	7.10E-01	6.94E+01	0.00E+00	0.00E+00	1.15E+02	1.75E-04	4.34E-02	6.97E-01	0.00E+00	2.35E+00	8.77E-09	2.08E-07	9.54E+01	1.90E+00	0.00E+00	0.00E+00	1.26E-01	1.11E+01	1.72E+03	0.00E+00	3.16E-07	2.89E-06	1.37E-01	2.58E-03	4.22E+02	0.00E+00	1.72E+03	2.36E-05	1.72E+03	2.14E+03	4.22E+02	0.00E+00	0.00E+00	0.00E+00	5.36E+00
HST100DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HST101DR	4.72E-01	9.09E+01	9.16E-01	8.96E+01	0.00E+00	0.00E+00	1.49E+02	2.25E-04	5.61E-02	9.00E-01	0.00E+00	3.03E+00	1.13E-08	2.69E-07	1.23E+02	2.45E+00	0.00E+00	0.00E+00	1.62E-01	1.43E+01	2.22E+03	0.00E+00	4.07E-07	3.73E-06	1.77E-01	3.33E-03	5.45E+02	0.00E+00	2.22E+03	3.04E-05	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HST125DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HST126DR	7.32E-01	1.41E+02	1.42E+00	1.39E+02	0.00E+00	0.00E+00	2.31E+02	3.49E-04	8.69E-02	1.39E+00	0.00E+00	4.69E+00	1.75E-08	4.17E-07	1.91E+02	3.79E+00	0.00E+00	0.00E+00	2.51E-01	2.21E+01	3.44E+03	0.00E+00	6.31E-07	5.79E-06	2.75E-01	5.17E-03	8.44E+02	0.00E+00	3.44E+03	4.72E-05	3.44E+03	4.29E+03	8.44E+02	0.00E+00	0.00E+00	0.00E+00	1.07E+01
HST160DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HST161DR	7.64E-01	1.47E+02	1.48E+00	1.45E+02	0.00E+00	0.00E+00	2.40E+02	3.64E-04	9.06E-02	1.45E+00	0.00E+00	4.89E+00	1.83E-08	4.34E-07	1.99E+02	3.96E+00	0.00E+00	0.00E+00	2.62E-01	2.31E+01	3.59E+03	0.00E+00	6.59E-07	6.04E-06	2.87E-01	5.39E-03	8.80E+02	0.00E+00	3.59E+03	4.92E-05	3.59E+03	4.47E+03	8.80E+02	0.00E+00	0.00E+00	0.00E+00	1.12E+01
HST200DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HST201DR	9.45E-01	1.82E+02	1.83E+00	1.79E+02	0.00E+00	0.00E+00	2.97E+02	4.51E-04	1.12E-01	1.80E+00	0.00E+00	6.05E+00	2.26E-08	5.38E-07	2.46E+02	4.90E+00	0.00E+00	0.00E+00	3.24E-01	2.86E+01	4.44E+03	0.00E+00	8.15E-07	7.47E-06	3.55E-01	6.67E-03	1.09E+03	0.00E+00	4.44E+03	6.08E-05	4.44E+03	5.53E+03	1.09E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+01
HST250DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HST251DR	1.33E+00	2.56E+02	2.58E+00	2.52E+02	0.00E+00	0.00E+00	4.19E+02	6.35E-04	1.58E-01	2.53E+00	0.00E+00	8.53E+00	3.19E-08	7.57E-07	3.47E+02	6.90E+00	0.00E+00	0.00E+00	4.56E-01	4.02E+01	6.26E+03	0.00E+00	1.15E-06	1.05E-05	4.99E-01	9.39E-03	1.53E+03	0.00E+00	6.26E+03	8.57E-05	6.26E+03	7.79E+03	1.53E+03	0.00E+00	0.00E+00	0.00E+00	1.95E+01
HEJ630DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HEJ631DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HEJ631EE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HEJ632DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HEW630DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HEW631DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HEW632DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HHJ630DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HHJ631EE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HHJ632DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HHW630DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HHW631DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HHW632DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HMJ631DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HMJ631EE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HMJ632DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HMW630DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HMW631DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HMW632DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HNJ631EE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HNJ632DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HNW630DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HNW631DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HNW632DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HPW630DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HPW631DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HPW632DE	4.63E+00	8.91E+02	8.98E+00	8.77E+02	0.00E+00	0.00E+00	1.46E+03	2.21E-03	5.49E-01	8.81E+00	0.00E+00	2.96E+01	1.11E-07	2.63E-06	1.21E+03	2.40E+01	0.00E+00	0.00E+00	1.59E+00	1.40E+02	2.18E+04	0.00E+00	3.99E-06	3.66E-05	1.74E+00	3.26E-02	5.33E+03	0.00E+00	2.18E+04	2.98E-04	2.18E+04	2.71E+04	5.33E+03	0.00E+00	0.00E+00	0.00E+00	6.78E+01
HDA100U	7.89E-03	1.07E+00	1.93E-01	8.77E-01	0.00E+00	0.00E+00	6.89E+00	1.32E-05	4.53E-03	8.24E-03	0.00E+00	-2.01E-02	1.45E-09	5.46E-08	3.86E-02	1.90E+00	2.67E-05	0.00E+00	5.64E+00	2.65E-01	8.49E+00	0.00E+00	6.67E-08	3.47E-08	2.37E-03	6.52E-06	9.37E-01	0.00E+00	8.49E+00	-7.47E-07	8.49E+00	9.42E+00	9.37E-01	0.00E+00	0.00E+00	0.00E+00	2.07E+02
HDA014E	3.19E-03	4.33E-01	7.42E-02	3.59E-01	0.00E+00	0.00E+00	3.01E+00	5.88E-06	1.78E-03	3.41E-03	0.00E+00	-7.56E-03	6.65E-10	2.19E-08	1.69E-02	8.04E-01	2.67E-05	0.00E+00	2.47E+00	1.00E-01	3.72E+00	0.00E+00	2.89E-08	1.49E-08	9.87E-04	2.47E-06	4.09E-01	0.00E+00	3.72E+00	-1.15E-07	3.72E+00	4.13E+00	4.09E-01	0.00E+00	0.00E+00	0.00E+00	9.08E+01
HDA014Z	1.07E-02	1.22E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.96E+00	1.54E-05	6.65E-03	1.04E-02	0.00E+00	1.36E-02	1.30E-09	6.57E-08	3.68E-02	2.72E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.92E+00	0.00E+00	8.08E-08	4.49E-08	3.11E-03	4.07E-06	1.03E+00	0.00E+00	9.92E+00	-3.73E-07	9.92E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HDA015Z	7.18E-03	9.68E-01	1.47E-01	8.13E-01	0.00E+00	0.00E+00	7.30E+00	1.15E-05	4.03E-03	9.95E-03	0.00E+00	1.02E-02	1.18E-09	4.51E-08	3.99E-02	1.93E+00	2.86E-05	0.00E+00	4.50E+00	2.84E-01	7.77E+00	0.00E+00	5.97E-08	3.75E-08	2.49E-03	7.03E-06	7.92E-01	0.00E+00	7.77E+00	-4.93E-07	7.77E+00	9.45E+00	7.92E-01	0.00E+00	0.00E+00	0.00E+00	1.83E+02
HDA016L	8.11E-03	1.09E+00	1.76E-01	8.89E-01	0.00E+00	0.00E+00	7.14E+00	1.35E-05	4.58E-03	8.48E-03	0.00E+00	-1.95E-02	1.54E-09	5.55E-08	4.11E-02	1.95E+00	2.67E-05	0.00E+00	5.78E+00	2.66E-01	8.92E+00	0.00E+00	6.98E-08	3.66E-08	2.45E-03	6.54E-06	9.75E-01	0.00E+00	8.92E+00	-4.72E-07	8.92E+00	9.89E+00	9.75E-01	0.00E+00	0.00E+00	0.00E+00	2.14E+02
HDA016Z	8.04E-03	1.04E+00	1.75E-01	8.36E-01	0.00E+00	0.00E+00	6.97E+00	1.30E-05	4.60E-03	7.96E-03	0.00E+00	-1.96E-02	1.53E-09	5.53E-08	3.90E-02	1.90E+00	2.67E-05	0.00E+00	5.63E+00	2.66E-01	8.28E+00	0.00E+00	6.45E-08	3.45E-08	2.34E-03	6.53E-06	9.47E-01	0.00E+00	8.28E+00	-5.94E-07	8.28E+00	9.25E+00	9.47E-01	0.00E+00	0.00E+00	0.00E+00	2.10E+02

HDA017L	1.10E-02	1.30E+00	2.22E-01	1.08E+00	0.00E+00	0.00E+00	8.88E+00	1.66E-05	6.36E-03	1.06E-02	0.00E+00	-2.49E-02	1.94E-09	7.33E-08	5.03E-02	2.54E+00	2.67E-05	0.00E+00	7.30E+00	3.36E-01	1.13E+01	0.00E+00	8.48E-08	4.55E-08	3.06E-03	8.28E-06	1.20E+00	0.00E+00	1.13E+01	-4.45E-07	1.13E+01	1.26E+01	1.20E+00	0.00E+00	0.00E+00	0.00E+00	2.64E+02
HDA017Z	1.03E-02	1.22E+00	2.16E-01	1.02E+00	0.00E+00	0.00E+00	8.46E+00	1.60E-05	5.87E-03	9.94E-03	0.00E+00	-2.25E-02	1.89E-09	6.96E-08	4.88E-02	2.38E+00	2.67E-05	0.00E+00	6.83E+00	3.03E-01	1.09E+01	0.00E+00	8.16E-08	4.26E-08	2.88E-03	7.42E-06	1.16E+00	0.00E+00	1.09E+01	-4.51E-07	1.09E+01	1.20E+01	1.16E+00	0.00E+00	0.00E+00	0.00E+00	2.54E+02
HDA018E	3.07E-03	4.30E-01	7.28E-02	3.53E-01	0.00E+00	0.00E+00	2.97E+00	5.69E-06	1.70E-03	3.33E-03	0.00E+00	1.37E-02	6.44E-10	2.17E-08	1.69E-02	7.78E-01	2.68E-05	0.00E+00	2.37E+00	1.02E-01	3.57E+00	0.00E+00	2.82E-08	1.50E-08	9.71E-04	2.63E-06	3.97E-01	0.00E+00	3.57E+00	-1.68E-07	3.57E+00	3.97E+00	3.97E-01	0.00E+00	0.00E+00	0.00E+00	8.76E+01
HDA018Z	1.07E-02	1.22E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.96E+00	1.54E-05	6.65E-03	1.04E-02	0.00E+00	1.36E-02	1.30E-09	6.57E-08	3.68E-02	2.72E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.92E+00	0.00E+00	8.08E-08	4.49E-08	3.11E-03	4.07E-06	1.03E+00	0.00E+00	9.92E+00	-3.73E-07	9.92E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HDA019Z	7.16E-03	9.68E-01	1.48E-01	8.15E-01	0.00E+00	0.00E+00	7.29E+00	1.15E-05	4.02E-03	9.94E-03	0.00E+00	1.02E-02	1.18E-09	4.49E-08	3.99E-02	1.93E+00	2.86E-05	0.00E+00	4.50E+00	2.84E-01	7.76E+00	0.00E+00	5.96E-08	3.74E-08	2.48E-03	7.03E-06	7.90E-01	0.00E+00	7.76E+00	-5.05E-07	7.76E+00	9.44E+00	7.90E-01	0.00E+00	0.00E+00	0.00E+00	1.83E+02
HDA020L	7.48E-03	1.01E+00	1.75E-01	8.26E-01	0.00E+00	0.00E+00	6.94E+00	1.25E-05	4.25E-03	8.01E-03	0.00E+00	-1.95E-02	1.45E-09	4.99E-08	3.98E-02	1.77E+00	2.67E-05	0.00E+00	5.33E+00	2.66E-01	8.56E+00	0.00E+00	6.45E-08	3.50E-08	2.35E-03	6.54E-06	9.05E-01	0.00E+00	8.56E+00	-4.69E-07	8.56E+00	9.36E+00	9.05E-01	0.00E+00	0.00E+00	0.00E+00	2.00E+02
HDA020Z	8.27E-03	1.07E+00	1.84E-01	8.61E-01	0.00E+00	0.00E+00	7.14E+00	1.34E-05	4.76E-03	8.18E-03	0.00E+00	-1.96E-02	1.55E-09	5.67E-08	3.92E-02	1.96E+00	2.67E-05	0.00E+00	5.83E+00	2.66E-01	8.56E+00	0.00E+00	6.63E-08	3.56E-08	2.40E-03	6.53E-06	9.78E-01	0.00E+00	8.56E+00	-5.94E-07	8.56E+00	9.55E+00	9.78E-01	0.00E+00	0.00E+00	0.00E+00	2.18E+02
HDA021L	1.13E-02	1.34E+00	2.34E-01	1.12E+00	0.00E+00	0.00E+00	9.08E+00	1.72E-05	6.56E-03	1.09E-02	0.00E+00	-2.49E-02	1.99E-09	7.53E-08	5.07E-02	2.62E+00	2.67E-05	0.00E+00	7.56E+00	3.39E-01	1.17E+01	0.00E+00	8.74E-08	4.64E-08	3.16E-03	8.31E-06	1.24E+00	0.00E+00	1.17E+01	-4.59E-07	1.17E+01	1.30E+01	1.24E+00	0.00E+00	0.00E+00	0.00E+00	2.75E+02
HDA021Z	1.14E-02	1.33E+00	2.28E-01	1.11E+00	0.00E+00	0.00E+00	9.13E+00	1.76E-05	6.54E-03	1.06E-02	0.00E+00	-2.26E-02	1.98E-09	7.81E-08	5.23E-02	2.64E+00	2.67E-05	0.00E+00	7.47E+00	3.04E-01	1.17E+01	0.00E+00	9.10E-08	4.75E-08	3.15E-03	7.45E-06	1.30E+00	0.00E+00	1.17E+01	-4.85E-07	1.17E+01	1.29E+01	1.30E+00	0.00E+00	0.00E+00	0.00E+00	2.85E+02
HDA023E	3.06E-03	4.29E-01	7.27E-02	3.53E-01	0.00E+00	0.00E+00	2.96E+00	5.67E-06	1.69E-03	3.33E-03	0.00E+00	1.37E-02	6.42E-10	2.16E-08	1.69E-02	7.76E-01	2.68E-05	0.00E+00	2.37E+00	1.02E-01	3.56E+00	0.00E+00	2.82E-08	1.50E-08	9.69E-04	2.63E-06	3.96E-01	0.00E+00	3.56E+00	-1.69E-07	3.56E+00	3.96E+00	3.96E-01	0.00E+00	0.00E+00	0.00E+00	8.73E+01
HDA023Z	1.07E-02	1.21E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.94E+00	1.54E-05	6.64E-03	1.03E-02	0.00E+00	1.36E-02	1.30E-09	6.56E-08	3.67E-02	2.71E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.91E+00	0.00E+00	8.07E-08	4.49E-08	3.11E-03	4.06E-06	1.03E+00	0.00E+00	9.91E+00	-3.73E-07	9.91E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HDA024Z	7.40E-03	9.95E-01	1.54E-01	8.37E-01	0.00E+00	0.00E+00	7.40E+00	1.19E-05	4.19E-03	1.01E-02	0.00E+00	1.06E-02	1.20E-09	4.63E-08	4.01E-02	1.98E+00	2.86E-05	0.00E+00	4.69E+00	2.84E-01	8.04E+00	0.00E+00	6.12E-08	3.86E-08	2.55E-03	7.03E-06	8.15E-01	0.00E+00	8.04E+00	-5.08E-07	8.04E+00	9.72E+00	8.15E-01	0.00E+00	0.00E+00	0.00E+00	1.90E+02
HDA025L	7.74E-03	1.04E+00	1.86E-01	8.63E-01	0.00E+00	0.00E+00	7.04E+00	1.30E-05	4.44E-03	8.30E-03	0.00E+00	-1.95E-02	1.47E-09	5.19E-08	4.00E-02	1.83E+00	2.67E-05	0.00E+00	5.55E+00	2.66E-01	8.78E+00	0.00E+00	6.67E-08	3.60E-08	2.46E-03	6.54E-06	9.27E-01	0.00E+00	8.78E+00	-4.72E-07	8.78E+00	9.59E+00	9.27E-01	0.00E+00	0.00E+00	0.00E+00	2.06E+02
HDA025U	7.93E-03	1.10E+00	1.95E-01	9.02E-01	0.00E+00	0.00E+00	7.19E+00	1.40E-05	4.48E-03	8.47E-03	0.00E+00	-2.02E-02	1.61E-09	5.46E-08	4.02E-02	1.96E+00	2.67E-05	0.00E+00	6.04E+00	2.66E-01	8.85E+00	0.00E+00	6.92E-08	3.61E-08	2.44E-03	6.55E-06	9.89E-01	0.00E+00	8.85E+00	-5.80E-07	8.85E+00	9.84E+00	9.89E-01	0.00E+00	0.00E+00	0.00E+00	2.23E+02
HDA025Z	8.43E-03	1.09E+00	1.95E-01	8.94E-01	0.00E+00	0.00E+00	7.23E+00	1.39E-05	4.87E-03	8.43E-03	0.00E+00	-1.96E-02	1.59E-09	5.81E-08	3.96E-02	2.00E+00	2.67E-05	0.00E+00	6.05E+00	2.66E-01	8.74E+00	0.00E+00	6.83E-08	3.62E-08	2.45E-03	6.53E-06	9.98E-01	0.00E+00	8.74E+00	-6.38E-07	8.74E+00	9.75E+00	9.98E-01	0.00E+00	0.00E+00	0.00E+00	2.23E+02
HDA026L	1.23E-02	1.48E+00	2.50E-01	1.23E+00	0.00E+00	0.00E+00	9.63E+00	1.88E-05	7.17E-03	1.17E-02	0.00E+00	-2.50E-02	2.05E-09	8.34E-08	5.43E-02	2.84E+00	2.67E-05	0.00E+00	8.21E+00	3.41E-01	1.23E+01	0.00E+00	9.64E-08	5.15E-08	3.47E-03	8.35E-06	1.37E+00	0.00E+00	1.23E+01	-5.06E-07	1.23E+01	1.37E+01	1.37E+00	0.00E+00	0.00E+00	0.00E+00	3.03E+02
HDA026U	1.18E-02	1.37E+00	2.45E-01	1.15E+00	0.00E+00	0.00E+00	9.25E+00	1.83E-05	6.74E-03	1.10E-02	0.00E+00	-2.26E-02	2.01E-09	8.04E-08	5.26E-02	2.73E+00	2.67E-05	0.00E+00	7.79E+00	3.05E-01	1.19E+01	0.00E+00	9.38E-08	4.88E-08	3.29E-03	7.46E-06	1.33E+00	0.00E+00	1.19E+01	-5.26E-07	1.19E+01	1.31E+01	1.33E+00	0.00E+00	0.00E+00	0.00E+00	2.92E+02
HDA026Z	1.29E-02	1.67E+00	2.71E-01	1.38E+00	0.00E+00	0.00E+00	1.12E+01	1.96E-05	7.38E-03	1.51E-02	0.00E+00	-1.84E-02	2.04E-09	8.25E-08	6.18E-02	3.18E+00	2.89E-05	0.00E+00	8.09E+00	3.65E-01	1.33E+01	0.00E+00	1.03E-07	6.08E-08	4.01E-03	9.04E-06	1.43E+00	0.00E+00	1.33E+01	-7.38E-07	1.33E+01	1.55E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HDA030E	3.20E-03	4.30E-01	7.39E-02	3.56E-01	0.00E+00	0.00E+00	2.97E+00	5.81E-06	1.80E-03	3.38E-03	0.00E+00	-7.54E-03	6.62E-10	2.20E-08	1.66E-02	8.00E-01	2.67E-05	0.00E+00	2.46E+00	9.97E-02	3.68E+00	0.00E+00	2.86E-08	1.48E-08	9.81E-04	2.46E-06	4.06E-01	0.00E+00	3.68E+00	-1.21E-07	3.68E+00	4.08E+00	4.06E-01	0.00E+00	0.00E+00	0.00E+00	9.03E+01
HDA030Z	1.07E-02	1.22E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.96E+00	1.54E-05	6.65E-03	1.04E-02	0.00E+00	1.36E-02	1.30E-09	6.57E-08	3.68E-02	2.72E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.92E+00	0.00E+00	8.08E-08	4.49E-08	3.11E-03	4.07E-06	1.03E+00	0.00E+00	9.92E+00	-3.73E-07	9.92E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HDA032L	7.96E-03	1.11E+00	1.83E-01	9.14E-01	0.00E+00	0.00E+00	6.99E+00	1.35E-05	4.44E-03	8.67E-03	0.00E+00	-1.99E-02	1.57E-09	5.40E-08	4.09E-02	1.94E+00	2.67E-05	0.00E+00	5.77E+00	2.66E-01	9.18E+00	0.00E+00	7.14E-08	3.69E-08	2.49E-03	6.52E-06	9.64E-01	0.00E+00	9.18E+00	-4.75E-07	9.18E+00	1.01E+01	9.64E-01	0.00E+00	0.00E+00	0.00E+00	2.15E+02
HDA032Z	7.85E-03	1.07E+00	1.93E-01	8.82E-01	0.00E+00	0.00E+00	6.91E+00	1.34E-05	4.47E-03	8.27E-03	0.00E+00	-2.01E-02	1.58E-09	5.41E-08	3.86E-02	1.91E+00	2.67E-05	0.00E+00	5.87E+00	2.65E-01	8.53E+00	0.00E+00	6.67E-08	3.51E-08	2.38E-03	6.52E-06	9.59E-01	0.00E+00	8.53E+00	-6.45E-07	8.53E+00	9.49E+00	9.59E-01	0.00E+00	0.00E+00	0.00E+00	2.17E+02
HDA033L	1.17E-02	1.43E+00	2.36E-01	1.18E+00	0.00E+00	0.00E+00	9.37E+00	1.80E-05	6.79E-03	1.13E-02	0.00E+00	-2.54E-02	1.98E-09	7.95E-08	5.37E-02	2.72E+00	2.67E-05	0.00E+00	7.77E+00	3.40E-01	1.20E+01	0.00E+00	9.31E-08	4.95E-08	3.28E-03	8.30E-06	1.32E+00	0.00E+00	1.20E+01	-5.00E-07	1.20E+01	1.33E+01	1.32E+00	0.00E+00	0.00E+00	0.00E+00	2.90E+02
HDA033Z	1.09E-02	1.32E+00	2.28E-01	1.10E+00	0.00E+00	0.00E+00	8.88E+00	1.73E-05	6.24E-03	1.05E-02	0.00E+00	-2.29E-02	1.91E-09	7.52E-08	5.20E-02	2.56E+00	2.67E-05	0.00E+00	7.26E+00	3.03E-01	1.16E+01	0.00E+00	9.06E-08	4.67E-08	3.10E-03	7.42E-06	1.26E+00	0.00E+00	1.16E+01	-4.81E-07	1.16E+01	1.28E+01	1.26E+00	0.00E+00	0.00E+00	0.00E+00	2.77E+02
HDA038Z	1.07E-02	1.21E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.94E+00	1.54E-05	6.64E-03	1.03E-02	0.00E+00	1.36E-02	1.30E-09	6.56E-08	3.67E-02	2.71E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.91E+00	0.00E+00	8.07E-08	4.49E-08	3.11E-03	4.06E-06	1.03E+00	0.00E+00	9.91E+00	-3.73E-07	9.91E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HDA040L	7.40E-03	1.03E+00	1.84E-01	8.58E-01	0.00E+00	0.00E+00	6.74E+00	1.25E-05	4.16E-03	8.23E-03	0.00E+00	-2.00E-02	1.47E-09	4.94E-08	3.95E-02	1.77E+00	2.67E-05	0.00E+00	5.37E+00	2.66E-01	8.73E+00	0.00E+00	6.62E-08	3.53E-08	2.42E-03	6.52E-06	8.86E-01	0.00E+00	8.73E+00	-4.74E-07	8.73E+00	9.49E+00	8.86E-01	0.00E+00	0.00E+00	0.00E+00	2.00E+02
HDA040U	7.91E-03	1.09E+00	1.94E-01	8.93E-01	0.00E+00	0.00E+00	7.05E+00	1.37E-05	4.48E-03	8.38E-03	0.00E+00	-2.01E-02	1.60E-09	5.45E-08	3.94E-02	1.93E+00	2.67E-05	0.00E+00	5.97E+00	2.65E-01	8.71E+00	0.00E+00	6.81E-08	3.57E-08	2.41E-03	6.52E-06	9.76E-01	0.00E+00	8.71E+00	-5.97E-07	8.71E+00	9.69E+00	9.76E-01	0.00E+00	0.00E+00	0.00E+00	2.21E+02
HDA040Z	1.06E-02	1.39E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.47E+00	1.63E-05	6.11E-03	1.26E-02	0.00E+00	-1.62E-02	1.68E-09	6.68E-08	4.91E-02	2.65E+00	2.86E-05	0.00E+00	6.72E+00	2.95E-01	1.07E+01	0.00E+00	8.28E-08	5.01E-08	3.27E-03	7.46E-06	1.13E+00	0.00E+00	1.07E+01	-6.82E-07	1.07E+01	1.26E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.72E+02
HDA041L	1.02E-02	1.23E+00	2.37E-01	1.05E+00	0.00E+00	0.00E+00	8.56E+00	1.56E-05	5.86E-03	1.03E-02	0.00E+00	-2.53E-02	1.80E-09	6.68E-08	4.86E-02	2.31E+00	2.67E-05	0.00E+00	6.86E+00	3.38E-01	1.11E+01	0.00E+00	8.05E-08	4.40E-08	3.03E-03	8.26E-06	1.10E+00	0.00E+00	1.11E+01	-4.53E-07	1.11E+01	1.22E+01	1.10E+00	0.00E+00	0.00E+00	0.00E+00	2.47E+02
HDA041U	1.29E-02	1.64E+00	2.71E-01	1.37E+00	0.00E+00	0.00E+00	1.11E+01	1.92E-05	7.29E-03	1.50E-02	0.00E+00	-2.26E-02	2.03E-09	8.14E-08	6.18E-02	3.11E+00	2.87E-05	0.00E+00	7.99E+00	3.59E-01	1.33E+01	0.00E+00	1.02E-07	6.06E-08	3.88E-03	9.02E-06	1.42E+00	0.00E+00	1.33E+01	-7.30E-07	1.33E+01	1.52E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HDA041Z	1.30E-02	1.62E+00	2.67E-01	1.34E+00	0.00E+00	0.00E+00	1.12E+01	1.98E-05	7.42E-03	1.48E-02	0.00E+00	-1.86E-02	2.03E-09	8.29E-08	6.22E-02	3.20E+00	2.87E-05	0.00E+00	8.12E+00	3.41E-01	1.34E+01	0.00E+00	1.04E-07	6.09E-08	3.98E-03	8.50E-06	1.43E+00	0.00E+00	1.34E+01	-6.34E-07	1.34E+01	1.56E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.26E+02
HDA048Z	1.07E-02	1.21E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.95E+00	1.54E-05	6.64E-03	1.03E-02	0.00E+00	1.36E-02	1.30E-09	6.56E-08	3.67E-02	2.71E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.91E+00	0.00E+00	8.07E-08	4.49E-08	3.11E-03	4.06E-06	1.03E+00	0.00E+00	9.91E+00	-3.72E-07	9.91E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HDA050L	8.09E-03	1.14E+00	1.94E-01	9.47E-01	0.00E+00	0.00E+00	7.09E+00	1.39E-05	4.56E-03	8.98E-03	0.00E+00	-1.99E-02	1.61E-09	5.54E-08	4.12E-02	1.99E+00	2.67E-05	0.00E+00	6.05E+00	2.66E-01	9.38E+00	0.00E+00	7.32E-08	3.76E-08	2.54E-03	6.52E-06	9.87E-01	0.00E+00	9.38E+00	-5.33E-07	9.38E+00	1.03E+01	9.87E-01	0.00E+00	0.00E+00	0.00E+00	2.24E+02
HDA050Z	1.06E-02	1.39E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.47E+00	1.63E-05	6.11E-03	1.26E-02	0.00E+00	-1.62E-02	1.68E-09	6.68E-08	4.91E-02	2.65E+00	2.86E-05	0.00E+00	6.72E+00	2.95E-01	1.07E+01	0.00E+00	8.28E-08	5.01E-08	3.27E-03	7.46E-06	1.13E+00	0.00E+00	1.07E+01	-6.82E-07	1.07E+01	1.26E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.72E+02
HDA051L	1.20E-02	1.48E+00	2.52E-01	1.23E+00	0.00E+00	0.00E+00	9.51E+00	1.87E-05	7.02E-03	1.17E-02	0.00E+00	-2.54E-02	2.02E-09	8.20E-08	5.41E-02	2.81E+00	2.67E-05	0.00E+00	8.11E+00	3.41E-01	1.22E+01	0.00E+00	9.61E-08	5.10E-08	3.42E-03	8.36E-06	1.35E+00	0.00E+00	1.22E+01	-5.12E-07	1.22E+01	1.36E+01	1.35E+00	0.00E+00	0.00E+00	0.00E+00	2.98E+02
HDA051Z	1.12E-02	1.35E+00	2.44E-01	1.14E+00	0.00E+00	0.00E+00	9.00E+00	1.80E-05	6.45E-03	1.09E-02	0.00E+00	-2.29E-02	1.93E-09	7.77E-08	5.22E-02	2.64E+00	2.67E-05	0.00E+00	7.58E+00	3.03E-01	1.19E+01	0.00E+00	9.36E-08	4.82E-08	3.23E-03	7.42E-06	1.29E+00	0.00E+00	1.19E+01	-4.82E-07	1.19E+01	1.31E+01	1.29E+00	0.00E+00	0.00E+00	0.00E+00	2.84E+02
HDA061Z	2.80E-03	4.14E-01	7.14E-02	3.42E-01	0.00E+00	0.00E+00	2.72E+00	5.33E-06	1.53E-03	3.21E-03	0.00E+00	-7.38E-03	6.20E-10	1.89E-08	1.54E-02	7.20E-01	2.67E-05	0.00E+00	2.25E+00	9.76E-02	3.39E+00	0.00E+00	2.64E-08	1.36E-08	9.15E-04	2.41E-06	3.70E-01	0.00E+00	3.39E+00	-1.48E-07	3.39E+00	3.76E+00	3.70E-01	0.00E+00	0.00E+00	0.00E+00	8.28E+01
HDA063L	7.40E-03	1.03E+00	1.84E-01	8.60E-01	0.00E+00	0.00E+00	6.74E+00	1.25E-05	4.16E-03	8.26E-03	0.00E+00	-2.00E-02	1.47E-09	4.94E-08	3.96E-02	1.77E+00	2.67E-05	0.00E+00	5.37E+00	2.66E-01	8.73E+00	0.00E+00	6.64E-08	3.53E-08	2.42E-03	6.52E-06	8.86E-01	0.00E+00	8.73E+00	-4.72E-07	8.73E+00	9.49E+00	8.86E-01	0.00E+00	0.00E+00	0.00E+00	2.00E+02
HDA063U	7.91E-03	1.09E+00	1.94E-01	8.93E-01	0.00E+00	0.00E+00	7.04E+00	1.37E-05	4.48E-03	8.38E-03	0.00E+00	-2.01E-02	1.61E-09	5.44E-08	3.93E-02	1.93E+00	2.67E-05	0.00E+00	5.99E+00	2.65E-01	8.70E+00	0.00E+00	6.79E-08	3.57E-08	2.41E-03	6.52E-06	9.77E-01	0.00E+00	8.70E+00	-5.90E-07	8.70E+00	9.68E+00	9.77E-01	0.00E+00	0.00E+00	0.00E+00	2.22E+02
HDA063Z	7.84E-03	1.07E+00	1.93E-01	8.80E-01	0.00E+00	0.00E+00	6.88E+00	1.34E-05	4.47E-03	8.25E-03	0.00E+00	-2.01E-02	1.58E-09	5.41E-08	3.84E-02	1.90E+00	2.67E-05	0.00E+00	5.86E+00	2.65E-01	8.50E+00	0.00E+00	6.65E-08	3.50E-08	2.38E-03	6.52E-06	9.57E-01	0.00E+00	8.50E+00	-6.48E-07	8.50E+00	9.46E+00	9.57E-01	0.00E+00	0.00E+00	0.00E+00	2.17E+02
HDA064L	1.14E-02	1.37E+00	2.52E-01	1.16E+00	0.00E+00	0.00E+00	9.05E+00	1.76E-05	6.61E-03	1.12E-02	0.00E+00	-2.53E-02	1.95E-09	7.57E-08	5.13E-02	2.66E+00	2.67E-05	0.00E+00	7.71E+00	3.38E-01	1.19E+01	0.00E+00	9.01E-08	4.75E-08	3.25E-03	8.26E-06	1.24E+00	0.00E+00	1.19E+01	-4.68E-07	1.19E+01	1.32E+01	1.24E+00	0.00E+00	0.00E+00	0.00E+00	2.77E+02
HDA064U	1.29E-02	1.64E+00	2.71E-01	1.37E+00	0.00E+00	0.00E+00	1.11E+01	1.92E-05	7.31E-03	1.50E-02	0.00E+00	-2.26E-02	2.03E-09	8.16E-08	6.18E-02	3.11E+00	2.87E-05	0.00E+00	8.00E+00	3.60E-01	1.33E+01	0.00E+00	1.02E-07	6.06E-08	3.89E-03	9.02E-06	1.42E+00	0.00E+00	1.33E+01	-7.28E-07	1.33E+01	1.52E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HDA064Z	1.30E-02	1.62E+00	2.67E-01	1.34E+00	0.00E+00	0.00E+00	1.12E+01	1.98E-05	7.42E-03	1.48E-02	0.00E+00	-1.86E-02	2.03E-09	8.29E-08	6.22E-02	3.20E+00	2.87E-05	0.00E+00	8.12E+00	3.41E-01	1.34E+01	0.00E+00	1.04E-07	6.09E-08	3.98E-03	8.50E-06	1.43E+00	0.00E+00	1.34E+01	-6.34E-07	1.34E+01	1.56E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.26E+02
HDA078Z	2.80E-03	4.08E-01	7.12E-02	3.37E-01	0.00E+00	0.00E+00	2.67E+00	5.16E-06	1.55E-03	3.17E-03	0.00E+00	-7.38E-03	5.70E-10	1.90E-08	1.52E-02	7.10E-01	2.67E-05	0.00E+00	2.14E+00	9.76E-02	3.33E+00	0.00E+00	2.61E-08	1.33E-08	9.03E-04	2.41E-06	3.58E-01	0.00E+00	3.33E+00	-1.97E-07	3.33E+00	3.69E+00	3.58E-01	0.00E+00	0.00E+00	0.00E+00	7.82E+01
HDA080L	7.40E-03	1.03E+00	1.85E-01	8.57E-01	0.00E+00	0.00E+00	6.73E+00	1.25E-05	4.16E-03	8.23E-03	0.00E+00	-2.00E-02	1.39E-09	4.94E-08	3.96E-02	1.77E+00	2.67E-05	0.00E+00	5.29E+00	2.66E-01	8.72E+00	0.00E+00	6.63E-08	3.52E-08	2.42E-03	6.52E-06	8.84E-01	0.00E+00	8.72E+00	-4.70E-07	8.72E+00	9.48E+00	8.84E-01	0.00E+00	0.00E+00	0.00E+00	1.95E+02
HDA080U	7.90E-03	1.09E+00	1.93E-01	8.92E-01	0.00E+00	0.00E+00	7.02E+00	1.37E-05	4.48E-03	8.37E-03	0.00E+00	-2.01E-02	1.60E-09	5.44E-08	3.93E-02	1.93E+00	2.67E-05	0.00E+00	5.96E+00	2.65E-01	8.68E+00	0.00E+00	6.78E-08	3.56E-08	2.41E-03	6.52E-06	9.74E-01	0.00E+00	8.68E+00	-6.01E-07	8.68E+00	9.65E+00	9.74E-01	0.00E+00	0.00E+00	0.00E+00	2.20E+02
HDA080Z	1.04E-02	1.35E+00	2.20E-01	1.09E+00	0.00E+00	0.00E+00	9.10E+00	1.60E-05	6.11E-03	1.23E-02	0.00E+00	-1.62E-02	1.67E-09	6.56E-08	4.90E-02	2.47E+00	2.86E-05	0.00E+00	6.52E+00	2.92E-01	1.05E+01	0.00E+00	8.02E-08	4.72E-08	3.21E-03	7.33E-06	1.11E+00	0.00E+00	1.05E+01	-6.48E-07	1.05E+01	1.24E+01	1.11E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+02
HDA081L	1.20E-02	1.48E+00	2.52E-01	1.24E+00	0.00E+00	0.00E+00	9.52E+00	1.87E-05	7.00E-03	1.18E-02	0.00E+00	-2.36E-02	2.01E-09	8.18E-08	5.41E-02	2.81E+00	2.69E-05	0.00E+00	8.11E+00	3.41E-01	1.23E+01	0.00E+00	9.65E-08	5.13E-08	3.45E-03	8.36E-06	1.35E+00	0.00E+00	1.23E+01	-5.12E-07	1.23E+01	1.37E+01	1.35E+00	0.00E+00	0.00E+00	0.00E+00	2.98E+02
HDA081U	1.30E-02	1.60E+00	2.67E-01	1.34E+00	0.00E+00	0.00E+00	1.11E+01	1.94E-05	7.35E-03	1.48E-02	0.00E+00	-2.14E-02	2.03E-09	8.20E-08	6.23E-02	3.13E+00	2.87E-05	0.00E+00	8.03E+00	3.38E-01	1.34E+01	0.00E+00	1.03E-07	6.10E-08	3.88E-03	8.50E-06	1.43E+00	0.00E+00	1.34E+01	-6.29E-07	1.34E+01	1.53E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.26E+02
HDA081Z	1.28E-02	1.58E+00	2.67E-01	1.32E+00	0.00E+00	0.00E+00	1.08E+01	1.96E-05	7.42E-03	1.45E-02	0.00E+00	-1.86E-02	2.03E-09	8.17E-08	6.22E-02	3.02E+00	2.87E-05	0.00E+00	7.93E+00	3.38E-01	1.32E+01	0.00E+00	1.02E-07	5.83E-08	3.94E-03	8.39E-06	1.42E+00	0.00E+00	1.32E+01	-5.89E-07	1.32E+01	1.55E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+02
HDA098Z	2.80E-03	4.08E-01	7.12E-02	3.37E-01	0.00E+00	0.00E+00	2.67E+00	5.16E-06	1.55E-03	3.17E-03	0.00E+00	-7.38E-03	5.70E-10	1.90E-08	1.52E-02	7.11E-01	2.67E-05	0.00E+00	2.14E+00	9.76E-02	3.33E+00	0.00E+00	2.61E-08	1.33E-08	9.03E-04	2.41E-06	3.58E-01	0.00E+00	3.33E+00	-1.97E-07	3.33E+00	3.69E+00	3.58E-01	0.00E+00	0.00E+00	0.00E+00	7.82E+01
HDA100L	7.47E-03	1.01E+00	1.84E-01	8.41E-01	0.00E+00	0.00E+00	6.71E+00	1.24E-05	4.24E-03	8.06E-03	0.00E+00	-2.00E-02	1.38E-09	4.99E-08	3.91E-02	1.77E+00	2.67E-05	0.00E+00	5.27E+00	2.66E-01	8.56E+00	0.00E+00	6.49E-08	3.48E-08	2.41E-03	6.52E-06	8.78E-01	0.00E+00	8.56E+00	-4.86E-07	8.56E+00	9.31E+00	8.78E-01	0.00E+00	0.00E+00	0.00E+00	1.95E+02
HDA100Z	7.84E-03	1.06E+00	1.92E-01	8.65E-01	0.00E+00	0.00E+00	6.74E+00	1.29E-05	4.52E-03	8.11E-03	0.00E+00	-2.01E-02	1.43E-09	5.43E-08	3.78E-02	1.87E+00	2.67E-05	0.00E+00	5.54E+00	2.65E-01	8.31E+00	0.00E+00	6.54E-08	3.40E-08	2.34E-03	6.51E-06	9.20E-01	0.00E+00	8.31E+00	-7.94E-07	8.31E+00	9.23E+00	9.20E-01	0.00E+00	0.00E+00	0.00E+00	2.03E+02
HDA101L	1.20E-02	1.48E+00	2.43E-01	1.23E+00	0.00E+00	0.00E+00	9.52E+00	1.87E-05	7.02E-03	1.17E-02	0.00E+00	-2.35E-02	2.01E-09	8.13E-08	5.41E-02	2.81E+00	2.69E-05	0.00E+00	8.11E+00	3.38E-01	1.23E+01	0.00E+00	9.66E-08	5.13E-08	3.45E-03	8.30E-06	1.35E+00	0.00E+00	1.23E+01	-4.91E-07	1.23E+01	1.37E+01	1.35E+00	0.00E+00	0.00E+00	0.00E+00	2.98E+02
HDA101U	1.29E-02	1.57E+00	2.59E-01	1.33E+00	0.00E+00	0.00E+00	1.07E+01	1.91E-05	7.37E-03	1.45E-02	0.00E+00	-2.17E-02	2.03E-09	8.04E-08	6.21E-02	2.95E+00	2.87E-05	0.00E+00	7.85E+00	3.37E-01	1.32E+01	0.00E+00	1.01E-07	5.83E-08	3.84E-03	8.44E-06	1.42E+00	0.00E+00	1.32E+01	-5.81E-07	1.32E+01	1.52E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+02
HDA101Z	1.29E-02	1.58E+00	2.58E-01	1.32E+00	0.00E+00	0.00E+00	1.08E+01	1.96E-05	7.48E-03	1.44E-02	0.00E+00	-1.85E-02	2.03E-09	8.17E-08	6.22E-02	3.03E+00	2.87E-05	0.00E+00	7.94E+00	3.35E-01	1.32E+01	0.00E+00	1.02E-07	5.84E-08	3.94E-03	8.33E-06	1.42E+00	0.00E+00	1.32E+01	-5.84E-07	1.32E+01	1.55E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+02
HDA123Z	1.08E-02	1.21E+00	1.63E-01	1.13E+00	0.00E+00	0.00E+00	6.80E+00	1.58E-05	6.90E-03	1.03E-02	0.00E+00	1.39E-02	1.31E-09	6.70E-08	3.72E-02	2.60E+00	2.81E-05	0.00E+00	6.18E+00	1.37E-01	1.01E+01	0.00E+00	8.10E-08	4.41E-08	3.19E-03	3.97E-06	1.04E+00	0.00E+00	1.01E+01	-3.48E-07	1.01E+01	1.13E+01	1.04E+00	0.00E+00	0.00E+00	0.00E+00	2.40E+02
HDA125L	8.22E-03	1.03E+00	1.86E-01	8.62E-01	0.00E+00	0.00E+00	7.06E+00	1.30E-05	4.80E-03	8.29E-03	0.00E+00	-1.98E-02	1.46E-09	5.52E-08	4.00E-02	1.88E+00	2.67E-05	0.00E+00	5.59E+00	2.66E-01	8.78E+00	0.00E+00	6.66E-08	3.61E-08	2.47E-03	6.53E-06	9.32E-01	0.00E+00	8.78E+00	-4.94E-07	8.78E+00	9.59E+00	9.32E-01	0.00E+00	0.00E+00	0.00E+00	2.07E+02
HDA125U	9.15E-03	1.10E+00	1.96E-01	9.07E-01	0.00E+00	0.00E+00	7.39E+00	1.42E-05	5.45E-03	8.57E-03	0.00E+00	-2.01E-02	1.59E-09	6.37E-08	4.03E-02	2.11E+00	2.67E-05	0.00E+00	6.19E+00	2.65E-01	8.95E+00	0.00E+00	6.96E-08	3.72E-08	2.53E-03	6.52E-06	1.03E+00	0.00E+00	8.95E+00	-6.92E-07	8.95E+00	9.98E+00	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.28E+02
HDA125Z	9.10E-03	1.09E+00	1.95E-01	8.95E-01	0.00E+00	0.00E+00	7.25E+00	1.39E-05	5.43E-03	8.45E-03	0.00E+00	-2.01E-02	1.56E-09	6.34E-08	3.95E-02	2.08E+00	2.67E-05	0.00E+00	6.09E+00	2.65E-01	8.77E+00	0.00E+00	6.82E-08	3.66E-08	2.49E-03	6.52E-06	1.01E+00	0.00E+00	8.77E+00	-7.39E-07	8.77E+00	9.78E+00	1.01E+00	0.00E+00	0.00E+00	0.00E+00	2.25E+02
HDA126L	1.24E-02	1.50E+00	2.57E-01	1.25E+00	0.00E+00	0.00E+00	9.75E+00	1.89E-05	7.29E-03	1.18E-02	0.00E+00	-2.63E-02	2.09E-09	8.47E-08	5.47E-02	2.84E+00	2.67E-05	0.00E+00	8.28E+00	3.48E-01	1.23E+01	0.00E+00	9.60E-08	5.13E-08	3.48E-03	8.54E-06	1.38E+00	0.00E+00	1.23E+01	-6.40E-07	1.23E+01	1.37E+01	1.38E+00	0.00E+00	0.00E+00	0.00E+00	3.05E+02
HDA126U	1.28E-02	1.61E+00	2.71E-01	1.36E+00	0.00E+00	0.00E+00	1.07E+01	1.90E-05	7.34E-03	1.47E-02	0.00E+00	-2.27E-02	2.04E-09	8.05E-08	6.18E-02	2.93E+00	2.87E-05	0.00E+00	7.82E+00	3.59E-01	1.31E+01	0.00E+00	1.00E-07	5.80E-08	3.84E-03	8.92E-06	1.41E+00	0.00E+00	1.31E+01	-6.98E-07	1.31E+01	1.51E+01	1.41E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HDA126Z	1.28E-02	1.63E+00	2.71E-01	1.36E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.45E-03	1.47E-02	0.00E+00	-1.96E-02	2.03E-09	8.17E-08	6.18E-02	3.00E+00	2.87E-05	0.00E+00	7.91E+00	3.60E-01	1.31E+01	0.00E+00	1.01E-07	5.80E-08	3.95E-03	8.90E-06	1.41E+00	0.00E+00	1.31E+01	-6.99E-07	1.31E+01	1.53E+01	1.41E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HDA160L	9.43E-03	1.16E+00	1.97E-01	9.67E-01	0.00E+00	0.00E+00	7.57E+00	1.47E-05	5.52E-03	9.18E-03	0.00E+00	-2.01E-02	1.57E-09	6.43E-08	4.28E-02	2.19E+00	2.67E-05	0.00E+00	6.33E+00	2.65E-01	9.66E+00	0.00E+00	7.54E-08	3.99E-08	2.70E-03	6.52E-06	1.06E+00	0.00E+00	9.66E+00	-4.08E-07	9.66E+00	1.07E+01	1.06E+00	0.00E+00	0.00E+00	0.00E+00	2.32E+02
HDA160U	9.15E-03	1.10E+00	1.96E-01	9.02E-01	0.00E+00	0.00E+00	7.34E+00	1.40E-05	5.46E-03	8.53E-03	0.00E+00	-2.01E-02	1.53E-09	6.37E-08	4.01E-02	2.10E+00	2.67E-05	0.00E+00	6.08E+00	2.65E-01	8.89E+00	0.00E+00	6.92E-08	3.69E-08	2.52E-03	6.52E-06	1.01E+00	0.00E+00	8.89E+00	-7.42E-07	8.89E+00	9.90E+00	1.01E+00	0.00E+00	0.00E+00	0.00E+00	2.24E+02
HDA160Z	9.11E-03	1.09E+00	1.95E-01	8.97E-01	0.00E+00	0.00E+00	7.31E+00	1.39E-05	5.39E-03	8.44E-03	0.00E+00	-1.99E-02	1.54E-09	6.31E-08	3.96E-02	2.10E+00	2.67E-05	0.00E+00	6.02E+00	2.65E-01	8.75E+00	0.00E+00	6.87E-08	3.68E-08	2.53E-03	6.52E-06	1.01E+00	0.00E+00	8.75E+00	-5.80E-07	8.75E+00	9.78E+00	1.01E+00	0.00E+00	0.00E+00	0.00E+00	2.21E+02
HDA161L	1.26E-02	1.40E+00	2.32E-01	1.17E+00	0.00E+00	0.00E+00	9.76E+00	1.94E-05	7.43E-03	1.14E-02	0.00E+00	-2.31E-02	2.02E-09	8.63E-08	5.58E-02	2.90E+00	2.67E-05	0.00E+00	8.32E+00	3.05E-01	1.28E+01	0.00E+00	9.96E-08	5.30E-08	3.44E-03	7.51E-06	1.39E+00	0.00E+00	1.28E+01	7.81E-08	1.28E+01	1.42E+01	1.39E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HDA161U	1.28E-02	1.61E+00	2.62E-01	1.36E+00	0.00E+00	0.00E+00	1.07E+01	1.91E-05	7.38E-03	1.47E-02	0.00E+00	-2.26E-02	2.04E-09	8.08E-08	6.18E-02	2.94E+00	2.87E-05	0.00E+00	7.82E+00	3.57E-01	1.32E+01	0.00E+00	1.00E-07	5.81E-08	3.85E-03	8.87E-06	1.41E+00	0.00E+00	1.32E+01	-7.05E-07	1.32E+01	1.51E+01	1.41E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HDA161Z	1.14E-02	1.42E+00	2.60E-01	1.15E+00	0.00E+00	0.00E+00	9.92E+00	1.73E-05	6.84E-03	1.32E-02	0.00E+00	-1.88E-02	1.85E-09	7.30E-08	5.61E-02	2.69E+00	2.87E-05	0.00E+00	7.02E+00	3.31E-01	1.18E+01	0.00E+00	8.73E-08	5.19E-08	3.53E-03	8.22E-06	1.21E+00	0.00E+00	1.18E+01	-6.38E-07	1.18E+01	1.38E+01	1.21E+00	0.00E+00	0.00E+00	0.00E+00	2.85E+02
HDS014EC	3.34E-03	5.02E-01	8.23E-02	3.70E-01	0.00E+00	0.00E+00	3.31E+00	5.78E-06	1.70E-03	3.80E-03	0.00E+00	1.28E-02	7.37E-10	2.23E-08	1.85E-02	8.22E-01	2.75E-05	0.00E+00	2.44E+00	1.11E-01	4.06E+00	0.00E+00	3.18E-08	1.53E-08	1.06E-03	3.00E-06	4.29E-01	0.00E+00	4.06E+00	-2.39E-07	4.06E+00	3.99E+00	4.29E-01	0.00E+00	0.00E+00	0.00E+00	9.39E+01
HDS018EC	3.32E-03	5.01E-01	8.22E-02	3.69E-01	0.00E+00	0.00E+00	3.29E+00	5.75E-06	1.70E-03	3.79E-03	0.00E+00	1.28E-02	7.36E-10	2.22E-08	1.84E-02	8.20E-01	2.75E-05	0.00E+00	2.43E+00	1.11E-01	4.05E+00	0.00E+00	3.17E-08	1.52E-08	1.05E-03	3.00E-06	4.27E-01	0.00E+00	4.05E+00	-2.39E-07	4.05E+00	3.97E+00	4.27E-01	0.00E+00	0.00E+00	0.00E+00	9.36E+01
HDS023EC	3.31E-03	5.01E-01	8.21E-02	3.69E-01	0.00E+00	0.00E+00	3.29E+00	5.74E-06	1.69E-03	3.78E-03	0.00E+00	1.28E-02	7.34E-10	2.21E-08	1.84E-02	8.18E-01	2.75E-05	0.00E+00	2.43E+00	1.11E-01	4.04E+00	0.00E+00	3.17E-08	1.52E-08	1.05E-03	3.00E-06	4.26E-01	0.00E+00	4.04E+00	-2.40E-07	4.04E+00	3.96E+00	4.26E-01	0.00E+00	0.00E+00	0.00E+00	9.33E+01
HDS030EC	3.34E-03	5.02E-01	8.23E-02	3.70E-01	0.00E+00	0.00E+00	3.31E+00	5.78E-06	1.70E-03	3.80E-03	0.00E+00	1.28E-02	7.37E-10	2.23E-08	1.85E-02	8.22E-01	2.75E-05	0.00E+00	2.44E+00	1.11E-01	4.06E+00	0.00E+00	3.18E-08	1.53E-08	1.06E-03	3.00E-06	4.29E-01	0.00E+00	4.06E+00	-2.39E-07	4.06E+00	3.99E+00	4.29E-01	0.00E+00	0.00E+00	0.00E+00	9.39E+01
HDS038EC	3.14E-03	4.93E-01	8.11E-02	3.64E-01	0.00E+00	0.00E+00	3.08E+00	5.46E-06	1.62E-03	3.70E-03	0.00E+00	-7.67E-03	7.16E-10	2.06E-08	1.72E-02	7.80E-01	2.74E-05	0.00E+00	2.36E+00	1.10E-01	3.93E+00	0.00E+00	3.07E-08	1.48E-08	1.02E-03	2.94E-06	4.07E-01	0.00E+00	3.93E+00	-2.41E-07	3.93E+00	3.83E+00	4.07E-01	0.00E+00	0.00E+00	0.00E+00	8.91E+01
HDS048EC	3.14E-03	4.93E-01	8.11E-02	3.64E-01	0.00E+00	0.00E+00	3.09E+00	5.48E-06	1.62E-03	3.70E-03	0.00E+00	-7.66E-03	7.17E-10	2.06E-08	1.72E-02	7.81E-01	2.74E-05	0.00E+00	2.36E+00	1.10E-01	3.93E+00	0.00E+00	3.07E-08	1.49E-08	1.02E-03	2.94E-06	4.08E-01	0.00E+00	3.93E+00	-2.39E-07	3.93E+00	3.83E+00	4.08E-01	0.00E+00	0.00E+00	0.00E+00	8.93E+01
HDS061EC	3.14E-03	4.93E-01	8.11E-02	3.64E-01	0.00E+00	0.00E+00	3.09E+00	5.48E-06	1.62E-03	3.70E-03	0.00E+00	-7.66E-03	7.17E-10	2.06E-08	1.72E-02	7.81E-01	2.74E-05	0.00E+00	2.36E+00	1.10E-01	3.93E+00	0.00E+00	3.07E-08	1.49E-08	1.02E-03	2.94E-06	4.08E-01	0.00E+00	3.93E+00	-2.39E-07	3.93E+00	3.83E+00	4.08E-01	0.00E+00	0.00E+00	0.00E+00	8.93E+01
HDS078EC	3.16E-03	4.92E-01	8.10E-02	3.62E-01	0.00E+00	0.00E+00	3.07E+00	5.45E-06	1.64E-03	3.70E-03	0.00E+00	-7.88E-03	6.97E-10	2.08E-08	1.71E-02	7.83E-01	2.74E-05	0.00E+00	2.35E+00	1.10E-01	3.93E+00	0.00E+00	3.07E-08	1.48E-08	1.02E-03	2.94E-06	4.07E-01	0.00E+00	3.93E+00	-2.59E-07	3.93E+00	3.82E+00	4.07E-01	0.00E+00	0.00E+00	0.00E+00	8.85E+01
HDS098EC	3.40E-03	5.18E-01	8.73E-02	3.90E-01	0.00E+00	0.00E+00	3.25E+00	5.90E-06	1.81E-03	3.93E-03	0.00E+00	-7.51E-03	7.10E-10	2.23E-08	1.73E-02	8.44E-01	2.74E-05	0.00E+00	2.57E+00	1.10E-01	4.21E+00	0.00E+00	3.25E-08	1.60E-08	1.09E-03	2.94E-06	4.38E-01	0.00E+00	4.21E+00	-2.63E-07	4.21E+00	4.13E+00	4.38E-01	0.00E+00	0.00E+00	0.00E+00	9.61E+01
HDS123EC	3.65E-03	5.46E-01	9.85E-02	4.23E-01	0.00E+00	0.00E+00	3.43E+00	6.47E-06	1.98E-03	4.18E-03	0.00E+00	-7.35E-03	7.50E-10	2.47E-08	1.86E-02	9.04E-01	2.75E-05	0.00E+00	2.79E+00	1.10E-01	4.43E+00	0.00E+00	3.44E-08	1.69E-08	1.18E-03	2.97E-06	4.60E-01	0.00E+00	4.43E+00	-2.39E-07	4.43E+00	4.36E+00	4.60E-01	0.00E+00	0.00E+00	0.00E+00	1.03E+02
HEJ250DR	6.50E-02	7.16E+00	9.94E-01	6.20E+00	0.00E+00	0.00E+00	4.57E+01	8.41E-05	3.93E-02	5.84E-02	0.00E+00	-9.83E-02	8.44E-09	4.47E-07	2.61E-01	1.39E+01	7.48E-05	0.00E+00	3.65E+01	1.27E+00	5.69E+01	0.00E+00	4.50E-07	2.51E-07	1.73E-02	3.11E-05	6.33E+00	0.00E+00	5.69E+01	-1.76E-06	5.69E+01	6.48E+01	6.33E+00	0.00E+00	0.00E+00	0.00E+00	1.32E+03
HEJ251DR	8.05E-02	8.44E+00	1.24E+00	7.20E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.89E-02	6.96E-02	0.00E+00	-1.18E-01	1.03E-08	5.53E-07	3.28E-01	1.76E+01	7.68E-05	0.00E+00	4.67E+01	1.58E+00	7.46E+01	0.00E+00	5.86E-07	3.13E-07	2.10E-02	3.89E-05	8.08E+00	0.00E+00	7.46E+01	-5.44E-07	7.46E+01	8.26E+01	8.08E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HEJ320BR	6.22E-02	7.03E+00	9.67E-01	6.07E+00	0.00E+00	0.00E+00	4.35E+01	8.06E-05	3.76E-02	5.62E-02	0.00E+00	-9.67E-02	8.07E-09	4.25E-07	2.51E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.23E+00	5.50E+01	0.00E+00	4.40E-07	2.33E-07	1.67E-02	3.07E-05	6.19E+00	0.00E+00	5.50E+01	-2.86E-06	5.50E+01	6.07E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HEJ320DR	6.31E-02	7.11E+00	9.69E-01	6.11E+00	0.00E+00	0.00E+00	4.44E+01	8.17E-05	3.82E-02	5.78E-02	0.00E+00	-9.79E-02	8.20E-09	4.30E-07	2.55E-01	1.35E+01	7.51E-05	0.00E+00	3.57E+01	1.22E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.08E-05	6.20E+00	0.00E+00	5.57E+01	-1.89E-06	5.57E+01	6.24E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HEJ321BR	8.00E-02	8.94E+00	1.22E+00	7.71E+00	0.00E+00	0.00E+00	5.61E+01	1.02E-04	4.94E-02	7.21E-02	0.00E+00	-1.19E-01	1.02E-08	5.54E-07	3.09E-01	1.71E+01	7.68E-05	0.00E+00	4.48E+01	1.57E+00	6.87E+01	0.00E+00	5.48E-07	2.94E-07	2.12E-02	3.87E-05	7.79E+00	0.00E+00	6.87E+01	-3.95E-06	6.87E+01	7.65E+01	7.79E+00	0.00E+00	0.00E+00	0.00E+00	1.63E+03
HEJ321DR	8.05E-02	8.45E+00	1.24E+00	7.20E+00	0.00E+00	0.00E+00	5.72E+01	1.09E-04	4.90E-02	6.96E-02	0.00E+00	-1.18E-01	1.03E-08	5.53E-07	3.28E-01	1.76E+01	7.68E-05	0.00E+00	4.66E+01	1.58E+00	7.44E+01	0.00E+00	5.85E-07	3.11E-07	2.10E-02	3.89E-05	8.06E+00	0.00E+00	7.44E+01	-5.95E-07	7.44E+01	8.22E+01	8.06E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03

HEJ400DR	6.31E-02	7.10E+00	9.68E-01	6.10E+00	0.00E+00	0.00E+00	4.43E+01	8.19E-05	3.81E-02	5.76E-02	0.00E+00	-9.79E-02	8.16E-09	4.30E-07	2.53E-01	1.35E+01	7.50E-05	0.00E+00	3.56E+01	1.22E+00	5.56E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.04E-05	6.20E+00	0.00E+00	5.56E+01	-1.92E-06	5.56E+01	6.23E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HEJ401DR	8.06E-02	8.37E+00	1.25E+00	7.14E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.88E-02	6.92E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.68E+01	1.58E+00	7.53E+01	0.00E+00	5.91E-07	3.15E-07	2.10E-02	3.91E-05	8.11E+00	0.00E+00	7.53E+01	-1.94E-07	7.53E+01	8.30E+01	8.11E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HEJ500BR	6.24E-02	7.07E+00	9.95E-01	6.09E+00	0.00E+00	0.00E+00	4.37E+01	8.10E-05	3.75E-02	5.63E-02	0.00E+00	-9.77E-02	8.04E-09	4.28E-07	2.50E-01	1.34E+01	7.39E-05	0.00E+00	3.49E+01	1.28E+00	5.51E+01	0.00E+00	4.41E-07	2.34E-07	1.68E-02	3.14E-05	6.19E+00	0.00E+00	5.51E+01	-2.68E-06	5.51E+01	6.11E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HES025BC	1.32E-02	1.58E+00	1.87E-01	1.44E+00	0.00E+00	0.00E+00	1.08E+01	1.92E-05	7.52E-03	1.31E-02	0.00E+00	2.14E-02	1.91E-09	8.25E-08	7.14E-02	3.18E+00	2.72E-05	0.00E+00	7.85E+00	7.06E-02	1.46E+01	0.00E+00	1.11E-07	6.00E-08	4.06E-03	4.32E-06	1.49E+00	0.00E+00	1.46E+01	2.06E-06	1.46E+01	1.55E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E+02
HES025BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.50E-03	1.45E-02	0.00E+00	1.56E-02	1.98E-09	9.94E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.84E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.61E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES025DC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.33E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HES025DR	1.55E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.98E-09	9.93E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.83E+00	2.84E-01	1.52E+01	0.00E+00	1.22E-07	6.40E-08	4.49E-03	7.24E-06	1.65E+00	0.00E+00	1.52E+01	2.60E-08	1.52E+01	1.66E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES026BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.89E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES026BR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.54E-06	2.24E+00	0.00E+00	1.99E+01	-5.86E-07	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HES026DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.11E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES026DR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.52E-06	2.24E+00	0.00E+00	1.99E+01	-5.97E-08	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HES040BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.67E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.22E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	6.80E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.20E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HES040BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.52E-03	1.45E-02	0.00E+00	1.56E-02	1.98E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.84E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.60E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES040DC	1.32E-02	1.58E+00	1.87E-01	1.43E+00	0.00E+00	0.00E+00	1.07E+01	1.92E-05	7.53E-03	1.30E-02	0.00E+00	2.14E-02	1.91E-09	8.25E-08	7.14E-02	3.18E+00	2.72E-05	0.00E+00	7.85E+00	6.78E-02	1.46E+01	0.00E+00	1.11E-07	5.98E-08	4.05E-03	4.29E-06	1.49E+00	0.00E+00	1.46E+01	2.15E-06	1.46E+01	1.55E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HES040DR	1.55E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.53E-03	1.45E-02	0.00E+00	1.56E-02	1.98E-09	9.94E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.83E+00	2.84E-01	1.52E+01	0.00E+00	1.22E-07	6.40E-08	4.49E-03	7.24E-06	1.65E+00	0.00E+00	1.52E+01	2.80E-08	1.52E+01	1.66E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES041BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.70E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.89E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	7.79E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES041BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.13E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.87E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HES041DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.70E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	7.86E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES041DR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.52E-06	2.24E+00	0.00E+00	1.99E+01	-5.90E-08	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HES050BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HES050BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.66E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES051BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES051BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.12E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.90E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HES063BC	1.25E-02	1.50E+00	1.87E-01	1.34E+00	0.00E+00	0.00E+00	1.06E+01	1.82E-05	7.17E-03	1.26E-02	0.00E+00	2.15E-02	1.87E-09	7.78E-08	7.10E-02	3.06E+00	2.72E-05	0.00E+00	7.55E+00	7.09E-02	1.41E+01	0.00E+00	1.02E-07	5.58E-08	3.80E-03	4.26E-06	1.40E+00	0.00E+00	1.41E+01	2.06E-06	1.41E+01	1.48E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E+02
HES063BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.83E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES063DC	1.34E-02	1.63E+00	1.90E-01	1.46E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.67E-03	1.32E-02	0.00E+00	2.19E-02	1.95E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	6.94E-02	1.48E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.32E-06	1.52E+00	0.00E+00	1.48E+01	2.33E-06	1.48E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HES063DR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.83E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.24E-06	1.65E+00	0.00E+00	1.52E+01	1.72E-08	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES064BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	7.89E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.31E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES064BR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.00E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.54E-06	2.24E+00	0.00E+00	1.99E+01	-5.90E-07	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HES064DC	1.58E-02	1.83E+00	1.87E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.69E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.96E-02	3.66E+00	3.03E-05	0.00E+00	9.53E+00	7.97E-02	1.63E+01	0.00E+00	1.27E-07	6.75E-08	4.68E-03	5.31E-06	1.83E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES064DR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.00E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.52E-06	2.24E+00	0.00E+00	1.99E+01	-6.82E-08	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HES080BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HES080BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES080DC	1.36E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.72E-03	1.33E-02	0.00E+00	2.27E-02	2.02E-09	8.25E-08	7.14E-02	3.26E+00	2.74E-05	0.00E+00	8.08E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.20E-03	5.37E-06	1.53E+00	0.00E+00	1.49E+01	2.33E-06	1.49E+01	1.58E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E+02
HES080DR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.24E-06	1.65E+00	0.00E+00	1.52E+01	1.72E-08	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES081BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES081BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.12E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.91E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HES081DC	1.52E-02	1.77E+00	1.84E-01	1.60E+00	0.00E+00	0.00E+00	1.23E+01	2.09E-05	8.48E-03	1.56E-02	0.00E+00	2.14E-02	2.22E-09	1.01E-07	8.75E-02	3.56E+00	3.02E-05	0.00E+00	9.29E+00	8.08E-02	1.58E+01	0.00E+00	1.20E-07	6.53E-08	4.45E-03	4.28E-06	1.75E+00	0.00E+00	1.58E+01	2.14E-06	1.58E+01	1.74E+01	1.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E+02
HES081DR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.52E-06	2.24E+00	0.00E+00	1.99E+01	-6.82E-08	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HES100BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HES100BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES100DC	1.36E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.72E-03	1.33E-02	0.00E+00	2.27E-02	2.02E-09	8.25E-08	7.15E-02	3.26E+00	2.74E-05	0.00E+00	8.08E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.20E-03	5.37E-06	1.53E+00	0.00E+00	1.49E+01	2.33E-06	1.49E+01	1.58E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E+02
HES100DR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.24E-06	1.65E+00	0.00E+00	1.52E+01	1.72E-08	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES101BC	1.47E-02	1.68E+00	1.84E-01	1.53E+00	0.00E+00	0.00E+00	1.22E+01	2.03E-05	8.23E-03	1.54E-02	0.00E+00	2.14E-02	2.19E-09	9.73E-08	8.71E-02	3.47E+00	3.02E-05	0.00E+00	9.10E+00	8.10E-02	1.54E+01	0.00E+00	1.13E-07	6.27E-08	4.27E-03	4.28E-06	1.69E+00	0.00E+00	1.54E+01	2.06E-06	1.54E+01	1.69E+01	1.69E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E+02
HES101BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.12E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.91E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HES101DC	1.58E-02	1.83E+00	1.87E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.69E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.99E-02	3.66E+00	3.03E-05	0.00E+00	9.53E+00	8.12E-02	1.63E+01	0.00E+00	1.27E-07	6.75E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES101DR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.52E-06	2.24E+00	0.00E+00	1.99E+01	-6.82E-08	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HES102DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.96E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.11E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HES125BC	1.34E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.69E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.22E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.37E-06	1.53E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HES125BR	1.56E-02	1.70E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.55E-03	1.45E-02	0.00E+00	1.55E-02	1.99E-09	9.97E-08	6.74E-02	3.74E+00	3.02E-05	0.00E+00	8.86E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.41E-08	4.50E-03	7.25E-06	1.66E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.66E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES125DC	1.36E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.95E-05	7.76E-03	1.33E-02	0.00E+00	2.27E-02	2.02E-09	8.25E-08	7.15E-02	3.26E+00	2.74E-05	0.00E+00	8.08E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.37E-06	1.53E+00	0.00E+00	1.49E+01	2.33E-06	1.49E+01	1.58E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E+02
HES125DR	1.56E-02	1.70E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.55E-03	1.45E-02	0.00E+00	1.55E-02	1.99E-09	9.97E-08	6.74E-02	3.74E+00	3.02E-05	0.00E+00	8.86E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.41E-08	4.50E-03	7.24E-06	1.66E+00	0.00E+00	1.52E+01	1.89E-08	1.52E+01	1.67E+01	1.66E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES126BC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.73E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.93E-02	3.67E+00	3.03E-05	0.00E+00	9.53E+00	7.80E-02	1.63E+01	0.00E+00	1.27E-07	6.73E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HES126BR	1.94E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.13E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.54E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.45E-07	7.68E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.91E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HES126DC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.73E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.96E-02	3.67E+00	3.03E-05	0.00E+00	9.53E+00	7.87E-02	1.63E+01	0.00E+00	1.27E-07	6.73E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HES126DR	2.16E-02	2.36E+00	2.47E-01	2.18E+00	0.00E+00	0.00E+00	1.39E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.81E-09	1.48E-07	8.32E-02	5.19E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.63E-08	6.15E-03	7.52E-06	2.24E+00	0.00E+00	1.99E+01	-6.68E-08	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HES127DC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.73E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.96E-02	3.67E+00	3.03E-05	0.00E+00	9.53E+00	7.87E-02	1.63E+01	0.00E+00	1.27E-07	6.73E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HES160BC	1.35E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.71E-03	1.33E-02	0.00E+00	2.27E-02	1.96E-09	8.18E-08	7.14E-02	3.24E+00	2.74E-05	0.00E+00	8.03E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.38E-06	1.53E+00	0.00E+00	1.49E+01	2.25E-06	1.49E+01	1.59E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HES160BR	1.56E-02	1.70E+00	2.36E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.57E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.94E-08	6.74E-02	3.74E+00	3.02E-05	0.00E+00	8.87E+00	2.83E-01	1.52E+01	0.00E+00	1.23E-07	6.43E-08	4.50E-03	7.23E-06	1.66E+00	0.00E+00	1.52E+01	-5.60E-07	1.52E+01	1.67E+01	1.66E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HES160DC	1.35E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.71E-03	1.33E-02	0.00E+00	2.27E-02	1.96E-09	8.18E-08	7.14E-02	3.24E+00	2.74E-05	0.00E+00	8.03E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.38E-06	1.53E+00	0.00E+00	1.49E+01	2.25E-06	1.49E+01	1.59E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HES160DR	1.52E-02	1.64E+00	2.38E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.18E-05	9.29E-03	1.42E-02	0.00E+00	1.40E-02	1.90E-09	9.75E-08	6.76E-02	3.66E+00	3.00E-05	0.00E+00	8.68E+00	2.83E-01	1.48E+01	0.00E+00	1.20E-07	6.22E-08	4.37E-03	7.15E-06	1.62E+00	0.00E+00	1.48E+01	-5.81E-07	1.48E+01	1.64E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HES161BC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.93E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.80E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HES161BR	1.94E-02	2.05E+00	2.39E-01	1.96E+00	0.00E+00	0.00E+00	1.36E+01	2.67E-05	1.13E-02	1.92E-02	0.00E+00	1.44E-02	2.63E-09	1.32E-07	8.08E-02	4.55E+00	3.04E-05	0.00E+00	1.13E+01	3.01E-01	1.79E+01	0.00E+00	1.45E-07	7.71E-08	5.36E-03	7.53E-06	2.09E+00	0.00E+00	1.79E+01	-6.96E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HES161DC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.93E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.87E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HES161DR	2.16E-02	2.37E+00	2.39E-01	2.18E+00	0.00E+00	0.00E+00	1.39E+01	2.97E-05	1.28E-02	2.03E-02	0.00E+00	1.44E-02	2.82E-09	1.48E-07	8.32E-02	5.20E+00	3.05E-05	0.00E+00	1.24E+01	3.00E-01	2.00E+01	0.00E+00	1.65E-07	8.66E-08	6.15E-03	7.52E-06	2.24E+00	0.00E+00	2.00E+01	-5.93E-07	2.00E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HES162DC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.96E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.87E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HET050DR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.46E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.89E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HET051DR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.82E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.79E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-7.10E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET063DR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.46E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.89E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HET064DR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.40E+01	-7.38E-07	2.40E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET100BR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.46E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.89E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HET100DR	2.16E-02	2.22E+00	2.98E-01	2.36E+00	0.00E+00	0.00E+00	1.54E+01	2.87E-05	1.30E-02	2.24E-02	0.00E+00	-1.64E-02	2.75E-09	1.42E-07	9.61E-02	5.40E+00	3.36E-05	0.00E+00	1.21E+01	3.59E-01	2.04E+01	0.00E+00	1.72E-07	7.87E-08	6.00E-03	8.92E-06	2.30E+00	0.00E+00	2.04E+01	-7.48E-07	2.04E+01	2.24E+01	2.30E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E+02
HET101BR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.40E+01	-7.38E-07	2.40E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET101DR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.40E+01	-7.38E-07	2.40E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET102DR	2.47E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.16E-02	3.48E-09	1.72E-07	1.17E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.96E-07	1.07E-07	6.99E-03	7.93E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02
HET125BR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.88E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HET125DR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.88E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HET126BR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.79E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-7.10E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET126DR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.79E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-7.10E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET127DR	2.47E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.16E-02	3.48E-09	1.72E-07	1.17E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.96E-07	1.07E-07	6.99E-03	7.93E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02
HET160BR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.88E-08	7.13E-03	1.01E-05	2.73E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HET160DR	2.16E-02	2.22E+00	2.98E-01	2.36E+00	0.00E+00	0.00E+00	1.54E+01	2.87E-05	1.30E-02	2.24E-02	0.00E+00	-1.64E-02	2.75E-09	1.43E-07	9.61E-02	5.41E+00	3.36E-05	0.00E+00	1.21E+01	3.59E-01	2.04E+01	0.00E+00	1.72E-07	7.88E-08	6.00E-03	8.92E-06	2.31E+00	0.00E+00	2.04E+01	-7.47E-07	2.04E+01	2.24E+01	2.31E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E+02
HET161BR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.52E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.41E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.41E+01	-7.38E-07	2.41E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET161DR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.52E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.41E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.41E+01	-7.38E-07	2.41E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET162DR	2.47E-02	2.94E+00	2.77E-01	2.57E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.16E-02	3.48E-09	1.72E-07	1.17E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.96E-07	1.07E-07	6.99E-03	7.93E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02

HET200BR	2.52E-02	2.82E+00	3.26E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.44E-02	3.18E-09	1.75E-07	1.10E-01	6.42E+00	3.33E-05	0.00E+00	1.39E+01	4.48E-01	2.27E+01	0.00E+00	1.97E-07	9.90E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-2.37E-07	2.27E+01	2.55E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HET200DR	2.24E-02	2.30E+00	2.88E-01	2.43E+00	0.00E+00	0.00E+00	1.55E+01	2.97E-05	1.34E-02	2.29E-02	0.00E+00	-1.65E-02	2.86E-09	1.48E-07	9.59E-02	5.55E+00	3.32E-05	0.00E+00	1.24E+01	3.60E-01	2.10E+01	0.00E+00	1.79E-07	8.13E-08	6.17E-03	8.96E-06	2.38E+00	0.00E+00	2.10E+01	-1.88E-07	2.10E+01	2.30E+01	2.38E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E+02
HET201BR	2.60E-02	2.95E+00	3.27E-01	2.82E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.72E-02	0.00E+00	-2.54E-02	3.48E-09	1.83E-07	1.12E-01	6.52E+00	3.34E-05	0.00E+00	1.45E+01	4.77E-01	2.40E+01	0.00E+00	2.08E-07	1.06E-07	7.44E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-1.07E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET201DR	2.62E-02	2.95E+00	3.27E-01	2.82E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.72E-02	0.00E+00	-2.54E-02	3.48E-09	1.83E-07	1.12E-01	6.52E+00	3.39E-05	0.00E+00	1.45E+01	4.77E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.44E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-1.13E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HET202DR	2.47E-02	2.94E+00	2.68E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.58E+00	3.20E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.96E-07	1.08E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.62E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HET250BR	2.54E-02	2.82E+00	3.24E-01	2.75E+00	0.00E+00	0.00E+00	1.77E+01	3.43E-05	1.47E-02	2.58E-02	0.00E+00	-2.35E-02	3.19E-09	1.75E-07	1.11E-01	6.42E+00	3.42E-05	0.00E+00	1.39E+01	4.47E-01	2.28E+01	0.00E+00	1.99E-07	9.93E-08	7.15E-03	1.00E-05	2.73E+00	0.00E+00	2.28E+01	-7.76E-07	2.28E+01	2.55E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E+02
HET250DR	2.24E-02	2.30E+00	2.86E-01	2.44E+00	0.00E+00	0.00E+00	1.55E+01	2.98E-05	1.34E-02	2.30E-02	0.00E+00	-1.59E-02	2.87E-09	1.48E-07	9.62E-02	5.55E+00	3.36E-05	0.00E+00	1.24E+01	3.57E-01	2.10E+01	0.00E+00	1.79E-07	8.16E-08	6.20E-03	8.90E-06	2.39E+00	0.00E+00	2.10E+01	-7.46E-07	2.10E+01	2.31E+01	2.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E+02
HET251BR	2.62E-02	2.95E+00	3.24E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.57E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.49E-09	1.83E-07	1.12E-01	6.51E+00	3.43E-05	0.00E+00	1.45E+01	4.76E-01	2.41E+01	0.00E+00	2.10E-07	1.06E-07	7.47E-03	1.06E-05	2.83E+00	0.00E+00	2.41E+01	-7.11E-07	2.41E+01	2.70E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E+02
HET251DR	2.74E-02	3.26E+00	2.66E-01	2.82E+00	0.00E+00	0.00E+00	2.06E+01	3.73E-05	1.56E-02	2.79E-02	0.00E+00	-2.14E-02	3.68E-09	1.89E-07	1.20E-01	6.27E+00	3.26E-05	0.00E+00	1.59E+01	3.38E-01	2.65E+01	0.00E+00	2.19E-07	1.19E-07	7.95E-03	7.84E-06	2.94E+00	0.00E+00	2.65E+01	2.60E-06	2.65E+01	2.90E+01	2.94E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E+02
HET252DR	2.47E-02	2.94E+00	2.66E-01	2.57E+00	0.00E+00	0.00E+00	2.02E+01	3.35E-05	1.40E-02	2.64E-02	0.00E+00	-2.14E-02	3.50E-09	1.72E-07	1.17E-01	5.56E+00	3.25E-05	0.00E+00	1.45E+01	3.39E-01	2.42E+01	0.00E+00	1.97E-07	1.08E-07	7.02E-03	7.85E-06	2.75E+00	0.00E+00	2.42E+01	2.48E-06	2.42E+01	2.63E+01	2.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E+02
HEW250DR	6.31E-02	7.13E+00	9.76E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.79E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.24E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.13E-05	6.22E+00	0.00E+00	5.57E+01	-2.79E-06	5.57E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HEW251DR	8.04E-02	8.48E+00	1.24E+00	7.23E+00	0.00E+00	0.00E+00	5.71E+01	1.08E-04	4.90E-02	6.99E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.27E-01	1.76E+01	7.68E-05	0.00E+00	4.65E+01	1.59E+00	7.39E+01	0.00E+00	5.83E-07	3.11E-07	2.11E-02	3.94E-05	8.03E+00	0.00E+00	7.39E+01	-2.18E-06	7.39E+01	8.14E+01	8.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HEW320BR	6.22E-02	7.03E+00	9.67E-01	6.07E+00	0.00E+00	0.00E+00	4.35E+01	8.06E-05	3.76E-02	5.62E-02	0.00E+00	-9.67E-02	8.07E-09	4.25E-07	2.51E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.23E+00	5.50E+01	0.00E+00	4.40E-07	2.33E-07	1.67E-02	3.07E-05	6.19E+00	0.00E+00	5.50E+01	-2.85E-06	5.50E+01	6.07E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HEW320DR	6.31E-02	7.13E+00	9.76E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.79E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.24E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.13E-05	6.22E+00	0.00E+00	5.57E+01	-2.79E-06	5.57E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HEW321BR	7.74E-02	8.45E+00	1.19E+00	7.26E+00	0.00E+00	0.00E+00	5.49E+01	1.02E-04	4.75E-02	6.77E-02	0.00E+00	-1.15E-01	9.85E-09	5.37E-07	3.12E-01	1.68E+01	7.55E-05	0.00E+00	4.40E+01	1.54E+00	6.91E+01	0.00E+00	5.50E-07	2.90E-07	2.05E-02	3.78E-05	7.76E+00	0.00E+00	6.91E+01	-2.56E-06	6.91E+01	7.57E+01	7.76E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E+03
HEW321DR	8.04E-02	8.50E+00	1.24E+00	7.24E+00	0.00E+00	0.00E+00	5.71E+01	1.08E-04	4.90E-02	7.00E-02	0.00E+00	-1.18E-01	1.03E-08	5.53E-07	3.27E-01	1.76E+01	7.68E-05	0.00E+00	4.64E+01	1.59E+00	7.37E+01	0.00E+00	5.82E-07	3.09E-07	2.11E-02	3.94E-05	8.02E+00	0.00E+00	7.37E+01	-2.23E-06	7.37E+01	8.10E+01	8.02E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E+03
HEW400DR	6.31E-02	7.12E+00	9.75E-01	6.12E+00	0.00E+00	0.00E+00	4.44E+01	8.20E-05	3.82E-02	5.79E-02	0.00E+00	-9.79E-02	8.17E-09	4.31E-07	2.54E-01	1.35E+01	7.50E-05	0.00E+00	3.56E+01	1.24E+00	5.55E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.09E-05	6.21E+00	0.00E+00	5.55E+01	-2.81E-06	5.55E+01	6.22E+01	6.21E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HEW401DR	8.05E-02	8.42E+00	1.25E+00	7.18E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.89E-02	6.95E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.66E+01	1.59E+00	7.46E+01	0.00E+00	5.88E-07	3.13E-07	2.11E-02	3.96E-05	8.06E+00	0.00E+00	7.46E+01	-1.99E-06	7.46E+01	8.18E+01	8.06E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HEW500BR	6.24E-02	7.08E+00	9.95E-01	6.10E+00	0.00E+00	0.00E+00	4.37E+01	8.10E-05	3.76E-02	5.64E-02	0.00E+00	-9.77E-02	8.04E-09	4.28E-07	2.50E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.28E+00	5.50E+01	0.00E+00	4.41E-07	2.34E-07	1.69E-02	3.14E-05	6.20E+00	0.00E+00	5.50E+01	-3.01E-06	5.50E+01	6.09E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HEW501BR	7.76E-02	8.45E+00	1.23E+00	7.24E+00	0.00E+00	0.00E+00	5.50E+01	1.03E-04	4.74E-02	6.76E-02	0.00E+00	-1.15E-01	9.82E-09	5.41E-07	3.12E-01	1.69E+01	7.55E-05	0.00E+00	4.41E+01	1.60E+00	6.94E+01	0.00E+00	5.53E-07	2.91E-07	2.07E-02	3.91E-05	7.79E+00	0.00E+00	6.94E+01	-2.61E-06	6.94E+01	7.62E+01	7.79E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E+03
HHA014E	3.09E-03	4.31E-01	7.29E-02	3.54E-01	0.00E+00	0.00E+00	2.99E+00	5.72E-06	1.70E-03	3.34E-03	0.00E+00	1.37E-02	6.46E-10	2.18E-08	1.70E-02	7.81E-01	2.68E-05	0.00E+00	2.38E+00	1.02E-01	3.58E+00	0.00E+00	2.83E-08	1.50E-08	9.73E-04	2.64E-06	3.99E-01	0.00E+00	3.58E+00	-1.68E-07	3.58E+00	3.99E+00	3.99E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E+01
HHA014Z	1.07E-02	1.22E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.96E+00	1.54E-05	6.65E-03	1.04E-02	0.00E+00	1.36E-02	1.30E-09	6.57E-08	3.68E-02	2.72E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.92E+00	0.00E+00	8.08E-08	4.49E-08	3.11E-03	4.07E-06	1.03E+00	0.00E+00	9.92E+00	-3.73E-07	9.92E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HHA016Z	8.05E-03	1.04E+00	1.75E-01	8.36E-01	0.00E+00	0.00E+00	6.98E+00	1.29E-05	4.60E-03	7.94E-03	0.00E+00	-1.96E-02	1.52E-09	5.53E-08	3.89E-02	1.90E+00	2.67E-05	0.00E+00	5.56E+00	2.66E-01	8.27E+00	0.00E+00	6.48E-08	3.45E-08	2.34E-03	6.53E-06	9.45E-01	0.00E+00	8.27E+00	-6.12E-07	8.27E+00	9.24E+00	9.45E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E+02
HHA017Z	1.11E-02	1.29E+00	2.16E-01	1.08E+00	0.00E+00	0.00E+00	8.90E+00	1.70E-05	6.36E-03	1.03E-02	0.00E+00	-2.26E-02	1.95E-09	7.64E-08	5.19E-02	2.54E+00	2.67E-05	0.00E+00	7.17E+00	3.04E-01	1.13E+01	0.00E+00	8.82E-08	4.59E-08	3.04E-03	7.44E-06	1.26E+00	0.00E+00	1.13E+01	-4.85E-07	1.13E+01	1.25E+01	1.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HHA018E	3.07E-03	4.30E-01	7.28E-02	3.53E-01	0.00E+00	0.00E+00	2.97E+00	5.69E-06	1.70E-03	3.33E-03	0.00E+00	1.37E-02	6.44E-10	2.17E-08	1.69E-02	7.78E-01	2.68E-05	0.00E+00	2.37E+00	1.02E-01	3.57E+00	0.00E+00	2.82E-08	1.50E-08	9.71E-04	2.63E-06	3.97E-01	0.00E+00	3.57E+00	-1.68E-07	3.57E+00	3.97E+00	3.97E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E+01
HHA018Z	1.07E-02	1.22E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.96E+00	1.54E-05	6.65E-03	1.04E-02	0.00E+00	1.36E-02	1.30E-09	6.57E-08	3.68E-02	2.72E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.92E+00	0.00E+00	8.08E-08	4.49E-08	3.11E-03	4.07E-06	1.03E+00	0.00E+00	9.92E+00	-3.73E-07	9.92E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HHA020Z	8.28E-03	1.07E+00	1.84E-01	8.61E-01	0.00E+00	0.00E+00	7.14E+00	1.34E-05	4.77E-03	8.18E-03	0.00E+00	-1.96E-02	1.55E-09	5.68E-08	3.91E-02	1.96E+00	2.67E-05	0.00E+00	5.82E+00	2.66E-01	8.55E+00	0.00E+00	6.62E-08	3.56E-08	2.40E-03	6.53E-06	9.78E-01	0.00E+00	8.55E+00	-6.14E-07	8.55E+00	9.54E+00	9.78E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E+02
HHA021Z	1.26E-02	1.63E+00	2.57E-01	1.33E+00	0.00E+00	0.00E+00	1.10E+01	1.90E-05	7.21E-03	1.47E-02	0.00E+00	-1.96E-02	2.01E-09	8.04E-08	6.15E-02	3.11E+00	2.87E-05	0.00E+00	7.80E+00	3.62E-01	1.30E+01	0.00E+00	1.01E-07	5.92E-08	3.87E-03	9.02E-06	1.40E+00	0.00E+00	1.30E+01	-7.31E-07	1.30E+01	1.52E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HHA023E	3.06E-03	4.29E-01	7.27E-02	3.53E-01	0.00E+00	0.00E+00	2.96E+00	5.67E-06	1.69E-03	3.33E-03	0.00E+00	1.37E-02	6.42E-10	2.16E-08	1.69E-02	7.76E-01	2.68E-05	0.00E+00	2.37E+00	1.02E-01	3.56E+00	0.00E+00	2.82E-08	1.50E-08	9.69E-04	2.63E-06	3.96E-01	0.00E+00	3.56E+00	-1.69E-07	3.56E+00	3.96E+00	3.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E+01
HHA023Z	1.07E-02	1.21E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.94E+00	1.54E-05	6.64E-03	1.03E-02	0.00E+00	1.36E-02	1.30E-09	6.56E-08	3.67E-02	2.71E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.91E+00	0.00E+00	8.07E-08	4.49E-08	3.11E-03	4.06E-06	1.03E+00	0.00E+00	9.91E+00	-3.73E-07	9.91E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HHA025H	8.33E-03	1.11E+00	1.92E-01	9.26E-01	0.00E+00	0.00E+00	7.25E+00	1.38E-05	4.78E-03	8.75E-03	0.00E+00	-1.95E-02	1.52E-09	5.69E-08	4.09E-02	2.00E+00	2.67E-05	0.00E+00	6.03E+00	2.66E-01	9.23E+00	0.00E+00	7.20E-08	3.74E-08	2.55E-03	6.54E-06	1.00E+00	0.00E+00	9.23E+00	-4.73E-07	9.23E+00	1.01E+01	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E+02
HHA025U	9.08E-03	1.18E+00	1.95E-01	9.66E-01	0.00E+00	0.00E+00	7.64E+00	1.50E-05	5.26E-03	8.87E-03	0.00E+00	-1.97E-02	1.64E-09	6.42E-08	4.28E-02	2.14E+00	2.67E-05	0.00E+00	6.39E+00	2.67E-01	9.19E+00	0.00E+00	7.59E-08	4.02E-08	2.65E-03	6.55E-06	1.10E+00	0.00E+00	9.19E+00	-6.25E-07	9.19E+00	1.03E+01	1.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E+02
HHA025Z	8.51E-03	1.09E+00	1.95E-01	8.93E-01	0.00E+00	0.00E+00	7.24E+00	1.38E-05	4.93E-03	8.41E-03	0.00E+00	-1.96E-02	1.56E-09	5.86E-08	3.94E-02	2.02E+00	2.67E-05	0.00E+00	5.97E+00	2.66E-01	8.73E+00	0.00E+00	6.84E-08	3.65E-08	2.50E-03	6.53E-06	9.95E-01	0.00E+00	8.73E+00	-6.16E-07	8.73E+00	9.74E+00	9.95E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E+02
HHA026H	1.13E-02	1.33E+00	2.46E-01	1.14E+00	0.00E+00	0.00E+00	9.02E+00	1.70E-05	6.56E-03	1.10E-02	0.00E+00	-2.50E-02	1.93E-09	7.53E-08	5.03E-02	2.60E+00	2.67E-05	0.00E+00	7.62E+00	3.40E-01	1.18E+01	0.00E+00	8.82E-08	4.66E-08	3.22E-03	8.31E-06	1.23E+00	0.00E+00	1.18E+01	-4.74E-07	1.18E+01	1.30E+01	1.23E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E+02
HHA026U	1.29E-02	1.64E+00	2.71E-01	1.37E+00	0.00E+00	0.00E+00	1.11E+01	1.92E-05	7.29E-03	1.50E-02	0.00E+00	-2.26E-02	2.03E-09	8.14E-08	6.18E-02	3.11E+00	2.87E-05	0.00E+00	8.00E+00	3.59E-01	1.33E+01	0.00E+00	1.02E-07	6.06E-08	3.88E-03	9.02E-06	1.42E+00	0.00E+00	1.33E+01	-7.30E-07	1.33E+01	1.52E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HHA026Z	1.09E-02	1.29E+00	2.44E-01	1.09E+00	0.00E+00	0.00E+00	8.77E+00	1.72E-05	6.26E-03	1.06E-02	0.00E+00	-2.25E-02	1.94E-09	7.43E-08	4.94E-02	2.55E+00	2.67E-05	0.00E+00	7.39E+00	3.03E-01	1.16E+01	0.00E+00	8.73E-08	4.53E-08	3.10E-03	7.42E-06	1.22E+00	0.00E+00	1.16E+01	-4.54E-07	1.16E+01	1.27E+01	1.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E+02
HHA030E	3.09E-03	4.31E-01	7.29E-02	3.54E-01	0.00E+00	0.00E+00	2.99E+00	5.72E-06	1.70E-03	3.34E-03	0.00E+00	1.37E-02	6.46E-10	2.18E-08	1.70E-02	7.81E-01	2.68E-05	0.00E+00	2.38E+00	1.02E-01	3.58E+00	0.00E+00	2.83E-08	1.50E-08	9.73E-04	2.64E-06	3.99E-01	0.00E+00	3.58E+00	-1.68E-07	3.58E+00	3.99E+00	3.99E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E+01
HHA030Z	1.07E-02	1.22E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.96E+00	1.54E-05	6.65E-03	1.04E-02	0.00E+00	1.36E-02	1.30E-09	6.57E-08	3.68E-02	2.72E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.92E+00	0.00E+00	8.08E-08	4.49E-08	3.11E-03	4.07E-06	1.03E+00	0.00E+00	9.92E+00	-3.73E-07	9.92E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HHA032Z	1.04E-02	1.37E+00	2.09E-01	1.08E+00	0.00E+00	0.00E+00	9.39E+00	1.58E-05	5.95E-03	1.24E-02	0.00E+00	-1.62E-02	1.65E-09	6.49E-08	4.89E-02	2.60E+00	2.86E-05	0.00E+00	6.51E+00	2.95E-01	1.05E+01	0.00E+00	8.09E-08	4.95E-08	3.20E-03	7.46E-06	1.11E+00	0.00E+00	1.05E+01	-6.70E-07	1.05E+01	1.24E+01	1.11E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E+02
HHA033Z	1.03E-02	1.24E+00	2.28E-01	1.05E+00	0.00E+00	0.00E+00	8.45E+00	1.63E-05	5.84E-03	1.02E-02	0.00E+00	-2.29E-02	1.86E-09	6.91E-08	4.88E-02	2.42E+00	2.67E-05	0.00E+00	6.93E+00	3.02E-01	1.12E+01	0.00E+00	8.40E-08	4.32E-08	2.93E-03	7.39E-06	1.16E+00	0.00E+00	1.12E+01	-4.88E-07	1.12E+01	1.23E+01	1.16E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E+02
HHA038Z	1.07E-02	1.21E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.94E+00	1.54E-05	6.64E-03	1.03E-02	0.00E+00	1.36E-02	1.30E-09	6.56E-08	3.67E-02	2.71E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.91E+00	0.00E+00	8.07E-08	4.49E-08	3.11E-03	4.06E-06	1.03E+00	0.00E+00	9.91E+00	-3.73E-07	9.91E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HHA040H	7.40E-03	1.03E+00	1.84E-01	8.57E-01	0.00E+00	0.00E+00	6.74E+00	1.25E-05	4.15E-03	8.22E-03	0.00E+00	-2.00E-02	1.47E-09	4.94E-08	3.95E-02	1.77E+00	2.67E-05	0.00E+00	5.37E+00	2.66E-01	8.69E+00	0.00E+00	6.60E-08	3.51E-08	2.40E-03	6.52E-06	8.87E-01	0.00E+00	8.69E+00	-4.66E-07	8.69E+00	9.46E+00	8.87E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E+02
HHA040U	7.86E-03	1.08E+00	1.93E-01	8.85E-01	0.00E+00	0.00E+00	6.92E+00	1.34E-05	4.47E-03	8.29E-03	0.00E+00	-2.01E-02	1.58E-09	5.42E-08	3.87E-02	1.91E+00	2.67E-05	0.00E+00	5.88E+00	2.65E-01	8.56E+00	0.00E+00	6.70E-08	3.52E-08	2.39E-03	6.52E-06	9.61E-01	0.00E+00	8.56E+00	-6.32E-07	8.56E+00	9.52E+00	9.61E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E+02
HHA040Z	1.06E-02	1.39E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.47E+00	1.63E-05	6.11E-03	1.26E-02	0.00E+00	-1.62E-02	1.68E-09	6.68E-08	4.91E-02	2.65E+00	2.86E-05	0.00E+00	6.72E+00	2.95E-01	1.07E+01	0.00E+00	8.28E-08	5.01E-08	3.27E-03	7.46E-06	1.13E+00	0.00E+00	1.07E+01	-6.81E-07	1.07E+01	1.26E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E+02
HHA041H	1.02E-02	1.24E+00	2.41E-01	1.05E+00	0.00E+00	0.00E+00	8.62E+00	1.56E-05	5.91E-03	1.04E-02	0.00E+00	-2.54E-02	1.82E-09	6.74E-08	4.86E-02	2.31E+00	2.67E-05	0.00E+00	6.85E+00	3.39E-01	1.12E+01	0.00E+00	8.05E-08	4.41E-08	3.03E-03	8.29E-06	1.10E+00	0.00E+00	1.12E+01	-4.62E-07	1.12E+01	1.22E+01	1.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E+02
HHA041U	1.30E-02	1.60E+00	2.67E-01	1.34E+00	0.00E+00	0.00E+00	1.11E+01	1.94E-05	7.30E-03	1.48E-02	0.00E+00	-2.15E-02	2.03E-09	8.17E-08	6.22E-02	3.13E+00	2.87E-05	0.00E+00	8.02E+00	3.37E-01	1.34E+01	0.00E+00	1.03E-07	6.10E-08	3.88E-03	8.50E-06	1.43E+00	0.00E+00	1.34E+01	-6.24E-07	1.34E+01	1.54E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HHA041Z	1.29E-02	1.66E+00	2.71E-01	1.37E+00	0.00E+00	0.00E+00	1.12E+01	1.96E-05	7.39E-03	1.50E-02	0.00E+00	-1.96E-02	2.03E-09	8.26E-08	6.18E-02	3.18E+00	2.87E-05	0.00E+00	8.09E+00	3.62E-01	1.33E+01	0.00E+00	1.03E-07	6.05E-08	3.99E-03	9.02E-06	1.42E+00	0.00E+00	1.33E+01	-7.34E-07	1.33E+01	1.55E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HHA048Z	1.07E-02	1.21E+00	1.46E-01	1.11E+00	0.00E+00	0.00E+00	6.95E+00	1.54E-05	6.64E-03	1.03E-02	0.00E+00	1.36E-02	1.30E-09	6.56E-08	3.67E-02	2.71E+00	2.81E-05	0.00E+00	6.11E+00	1.41E-01	9.91E+00	0.00E+00	8.07E-08	4.49E-08	3.11E-03	4.06E-06	1.03E+00	0.00E+00	9.91E+00	-3.72E-07	9.91E+00	1.11E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HHA050Z	1.06E-02	1.39E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.47E+00	1.63E-05	6.11E-03	1.26E-02	0.00E+00	-1.62E-02	1.68E-09	6.68E-08	4.91E-02	2.65E+00	2.86E-05	0.00E+00	6.72E+00	2.95E-01	1.07E+01	0.00E+00	8.28E-08	5.01E-08	3.27E-03	7.46E-06	1.13E+00	0.00E+00	1.07E+01	-6.82E-07	1.07E+01	1.26E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E+02
HHA051Z	1.06E-02	1.28E+00	2.44E-01	1.09E+00	0.00E+00	0.00E+00	8.57E+00	1.69E-05	6.03E-03	1.05E-02	0.00E+00	-2.29E-02	1.88E-09	7.16E-08	4.91E-02	2.49E+00	2.67E-05	0.00E+00	7.20E+00	3.02E-01	1.15E+01	0.00E+00	8.69E-08	4.45E-08	3.04E-03	7.39E-06	1.19E+00	0.00E+00	1.15E+01	-4.89E-07	1.15E+01	1.26E+01	1.19E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E+02
HHA061Z	2.80E-03	4.14E-01	7.14E-02	3.42E-01	0.00E+00	0.00E+00	2.72E+00	5.33E-06	1.53E-03	3.21E-03	0.00E+00	-7.38E-03	6.20E-10	1.89E-08	1.54E-02	7.20E-01	2.67E-05	0.00E+00	2.25E+00	9.76E-02	3.39E+00	0.00E+00	2.64E-08	1.36E-08	9.15E-04	2.41E-06	3.70E-01	0.00E+00	3.39E+00	-1.48E-07	3.39E+00	3.76E+00	3.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E+01
HHA063H	8.20E-03	1.16E+00	1.95E-01	9.62E-01	0.00E+00	0.00E+00	7.27E+00	1.44E-05	4.54E-03	9.07E-03	0.00E+00	-2.01E-02	1.65E-09	5.50E-08	4.22E-02	2.04E+00	2.67E-05	0.00E+00	6.24E+00	2.65E-01	9.50E+00	0.00E+00	7.44E-08	3.88E-08	2.61E-03	6.53E-06	1.02E+00	0.00E+00	9.50E+00	-2.43E-07	9.50E+00	1.05E+01	1.02E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E+02
HHA063U	7.86E-03	1.08E+00	1.93E-01	8.85E-01	0.00E+00	0.00E+00	6.90E+00	1.34E-05	4.47E-03	8.29E-03	0.00E+00	-2.01E-02	1.59E-09	5.41E-08	3.86E-02	1.91E+00	2.67E-05	0.00E+00	5.90E+00	2.65E-01	8.55E+00	0.00E+00	6.68E-08	3.52E-08	2.39E-03	6.52E-06	9.62E-01	0.00E+00	8.55E+00	-6.24E-07	8.55E+00	9.51E+00	9.62E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E+02
HHA063Z	1.06E-02	1.39E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.48E+00	1.63E-05	6.11E-03	1.26E-02	0.00E+00	-1.62E-02	1.69E-09	6.68E-08	4.91E-02	2.66E+00	2.86E-05	0.00E+00	6.73E+00	2.95E-01	1.07E+01	0.00E+00	8.28E-08	5.02E-08	3.27E-03	7.46E-06	1.13E+00	0.00E+00	1.07E+01	-6.79E-07	1.07E+01	1.26E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HHA064H	1.11E-02	1.38E+00	2.54E-01	1.16E+00	0.00E+00	0.00E+00	9.03E+00	1.75E-05	6.44E-03	1.13E-02	0.00E+00	-2.54E-02	1.94E-09	7.51E-08	5.12E-02	2.62E+00	2.67E-05	0.00E+00	7.62E+00	3.38E-01	1.20E+01	0.00E+00	9.01E-08	4.76E-08	3.21E-03	8.27E-06	1.24E+00	0.00E+00	1.20E+01	-3.10E-07	1.20E+01	1.32E+01	1.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E+02
HHA064U	1.30E-02	1.60E+00	2.67E-01	1.34E+00	0.00E+00	0.00E+00	1.11E+01	1.94E-05	7.33E-03	1.48E-02	0.00E+00	-2.18E-02	2.03E-09	8.19E-08	6.22E-02	3.13E+00	2.87E-05	0.00E+00	8.02E+00	3.37E-01	1.34E+01	0.00E+00	1.03E-07	6.10E-08	3.88E-03	8.50E-06	1.43E+00	0.00E+00	1.34E+01	-6.22E-07	1.34E+01	1.53E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HHA064Z	1.29E-02	1.66E+00	2.71E-01	1.37E+00	0.00E+00	0.00E+00	1.12E+01	1.96E-05	7.39E-03	1.50E-02	0.00E+00	-1.96E-02	2.03E-09	8.26E-08	6.18E-02	3.18E+00	2.87E-05	0.00E+00	8.09E+00	3.62E-01	1.33E+01	0.00E+00	1.03E-07	6.05E-08	3.99E-03	9.02E-06	1.42E+00	0.00E+00	1.33E+01	-7.34E-07	1.33E+01	1.55E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HHA078Z	1.05E-02	1.17E+00	1.46E-01	1.10E+00	0.00E+00	0.00E+00	6.58E+00	1.52E-05	6.64E-03	9.99E-03	0.00E+00	1.36E-02	1.30E-09	6.43E-08	3.67E-02	2.52E+00	2.81E-05	0.00E+00	5.91E+00	1.37E-01	9.74E+00	0.00E+00	7.80E-08	4.27E-08	3.06E-03	3.97E-06	1.01E+00	0.00E+00	9.74E+00	-3.35E-07	9.74E+00	1.10E+01	1.01E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E+02
HHA080H	7.41E-03	1.03E+00	1.84E-01	8.58E-01	0.00E+00	0.00E+00	6.74E+00	1.25E-05	4.17E-03	8.24E-03	0.00E+00	-2.00E-02	1.47E-09	4.94E-08	3.95E-02	1.77E+00	2.67E-05	0.00E+00	5.37E+00	2.66E-01	8.70E+00	0.00E+00	6.62E-08	3.51E-08	2.41E-03	6.52E-06	8.86E-01	0.00E+00	8.70E+00	-4.67E-07	8.70E+00	9.47E+00	8.86E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E+02
HHA080U	7.86E-03	1.08E+00	1.93E-01	8.83E-01	0.00E+00	0.00E+00	6.89E+00	1.34E-05	4.47E-03	8.28E-03	0.00E+00	-2.01E-02	1.58E-09	5.41E-08	3.85E-02	1.91E+00	2.67E-05	0.00E+00	5.87E+00	2.65E-01	8.53E+00	0.00E+00	6.67E-08	3.51E-08	2.38E-03	6.52E-06	9.58E-01	0.00E+00	8.53E+00	-6.35E-07	8.53E+00	9.49E+00	9.58E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E+02
HHA080Z	1.04E-02	1.35E+00	2.20E-01	1.09E+00	0.00E+00	0.00E+00	9.10E+00	1.61E-05	6.11E-03	1.23E-02	0.00E+00	-1.62E-02	1.68E-09	6.56E-08	4.90E-02	2.47E+00	2.86E-05	0.00E+00	6.53E+00	2.92E-01	1.05E+01	0.00E+00	8.02E-08	4.73E-08	3.22E-03	7.34E-06	1.12E+00	0.00E+00	1.05E+01	-6.44E-07	1.05E+01	1.24E+01	1.12E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+02
HHA081H	1.00E-02	1.24E+00	2.39E-01	1.04E+00	0.00E+00	0.00E+00	8.55E+00	1.55E-05	5.75E-03	1.03E-02	0.00E+00	-2.54E-02	1.80E-09	6.63E-08	4.85E-02	2.28E+00	2.67E-05	0.00E+00	6.79E+00	3.38E-01	1.12E+01	0.00E+00	8.06E-08	4.40E-08	2.99E-03	8.27E-06	1.09E+00	0.00E+00	1.12E+01	-3.11E-07	1.12E+01	1.22E+01	1.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E+02
HHA081U	1.12E-02	1.36E+00	2.42E-01	1.14E+00	0.00E+00	0.00E+00	8.90E+00	1.80E-05	6.33E-03	1.08E-02	0.00E+00	-2.27E-02	1.94E-09	7.68E-08	5.20E-02	2.63E+00	2.67E-05	0.00E+00	7.55E+00	3.02E-01	1.19E+01	0.00E+00	9.37E-08	4.80E-08	3.20E-03	7.40E-06	1.29E+00	0.00E+00	1.19E+01	-1.51E-07	1.19E+01	1.30E+01	1.29E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E+02
HHA081Z	1.28E-02	1.58E+00	2.67E-01	1.32E+00	0.00E+00	0.00E+00	1.08E+01	1.96E-05	7.42E-03	1.45E-02	0.00E+00	-1.86E-02	2.03E-09	8.17E-08	6.22E-02	3.02E+00	2.87E-05	0.00E+00	7.93E+00	3.38E-01	1.32E+01	0.00E+00	1.02E-07	5.83E-08	3.94E-03	8.39E-06	1.42E+00	0.00E+00	1.32E+01	-5.89E-07	1.32E+01	1.54E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+02
HHA082H	1.16E-02	1.40E+00	2.54E-01	1.17E+00	0.00E+00	0.00E+00	9.15E+00	1.78E-05	6.73E-03	1.14E-02	0.00E+00	-2.54E-02	1.96E-09	7.59E-08	5.22E-02	2.70E+00	2.62E-05	0.00E+00	7.80E+00	3.39E-01	1.20E+01	0.00E+00	9.10E-08	4.79E-08	3.28E-03	8.28E-06	1.26E+00	0.00E+00	1.20E+01	-3.53E-07	1.20E+01	1.34E+01	1.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E+02
HHA098Z	1.07E-02	1.19E+00	1.52E-01	1.12E+00	0.00E+00	0.00E+00	6.70E+00	1.56E-05	6.77E-03	1.01E-02	0.00E+00	1.39E-02	1.31E-09	6.54E-08	3.70E-02	2.56E+00	2.81E-05	0.00E+00	6.06E+00	1.37E-01	1.00E+01	0.00E+00	7.95E-08	4.37E-08	3.12E-03	3.97E-06	1.04E+00	0.00E+00	1.00E+01	-3.37E-07	1.00E+01	1.12E+01	1.04E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E+02
HHA100H	8.19E-03	1.14E+00	1.94E-01	9.46E-01	0.00E+00	0.00E+00	7.11E+00	1.39E-05	4.59E-03	8.92E-03	0.00E+00	-2.01E-02	1.49E-09	5.52E-08	4.14E-02	2.00E+00	2.67E-05	0.00E+00	5.89E+00	2.65E-01	9.29E+00	0.00E+00	7.32E-08	3.78E-08	2.57E-03	6.53E-06	9.85E-01	0.00E+00	9.29E+00	-4.01E-07	9.29E+00	1.03E+01	9.85E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E+02
HHA100U	7.85E-03	1.06E+00	1.92E-01	8.68E-01	0.00E+00	0.00E+00	6.75E+00	1.29E-05	4.53E-03	8.15E-03	0.00E+00	-2.01E-02	1.43E-09	5.43E-08	3.79E-02	1.88E+00	2.67E-05	0.00E+00	5.54E+00	2.65E-01	8.34E+00	0.00E+00	6.56E-08	3.42E-08	2.35E-03	6.52E-06	9.22E-01	0.00E+00	8.34E+00	-7.81E-07	8.34E+00	9.26E+00	9.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E+02
HHA100Z	1.07E-02	1.35E+00	2.20E-01	1.09E+00	0.00E+00	0.00E+00	9.13E+00	1.60E-05	6.34E-03	1.23E-02	0.00E+00	-1.62E-02	1.66E-09	6.75E-08	4.89E-02	2.50E+00	2.86E-05	0.00E+00	6.56E+00	2.92E-01	1.05E+01	0.00E+00	8.02E-08	4.74E-08	3.24E-03	7.34E-06	1.12E+00	0.00E+00	1.05E+01	-6.62E-07	1.05E+01	1.24E+01	1.12E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E+02
HHA101H	1.10E-02	1.37E+00	2.28E-01	1.14E+00	0.00E+00	0.00E+00	9.16E+00	1.83E-05	6.19E-03	1.10E-02	0.00E+00	-2.31E-02	1.91E-09	7.42E-08	5.40E-02	2.65E+00	2.67E-05	0.00E+00	7.75E+00	3.05E-01	1.24E+01	0.00E+00	9.69E-08	5.03E-08	3.28E-03	7.52E-06	1.30E+00	0.00E+00	1.24E+01	1.01E-07	1.24E+01	1.37E+01	1.30E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E+02
HHA101U	1.29E-02	1.56E+00	2.59E-01	1.32E+00	0.00E+00	0.00E+00	1.07E+01	1.92E-05	7.36E-03	1.44E-02	0.00E+00	-2.18E-02	2.03E-09	8.04E-08	6.22E-02	2.96E+00	2.87E-05	0.00E+00	7.84E+00	3.32E-01	1.32E+01	0.00E+00	1.01E-07	5.83E-08	3.83E-03	8.34E-06	1.42E+00	0.00E+00	1.32E+01	-5.76E-07	1.32E+01	1.52E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+02
HHA101Z	1.29E-02	1.58E+00	2.58E-01	1.32E+00	0.00E+00	0.00E+00	1.08E+01	1.96E-05	7.48E-03	1.44E-02	0.00E+00	-1.85E-02	2.03E-09	8.17E-08	6.22E-02	3.03E+00	2.87E-05	0.00E+00	7.94E+00	3.35E-01	1.32E+01	0.00E+00	1.02E-07	5.84E-08	3.94E-03	8.33E-06	1.42E+00	0.00E+00	1.32E+01	-5.84E-07	1.32E+01	1.55E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+02
HHA102H	1.03E-02	1.25E+00	2.35E-01	1.06E+00	0.00E+00	0.00E+00	8.59E+00	1.60E-05	5.85E-03	1.05E-02	0.00E+00	-2.52E-02	1.79E-09	6.63E-08	4.94E-02	2.33E+00	2.62E-05	0.00E+00	6.94E+00	3.33E-01	1.12E+01	0.00E+00	8.22E-08	4.43E-08	3.04E-03	8.20E-06	1.10E+00	0.00E+00	1.12E+01	-2.80E-07	1.12E+01	1.24E+01	1.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E+02
HHA123Z	1.08E-02	1.21E+00	1.63E-01	1.13E+00	0.00E+00	0.00E+00	6.80E+00	1.58E-05	6.90E-03	1.03E-02	0.00E+00	1.39E-02	1.31E-09	6.70E-08	3.72E-02	2.60E+00	2.81E-05	0.00E+00	6.18E+00	1.37E-01	1.01E+01	0.00E+00	8.10E-08	4.41E-08	3.19E-03	3.97E-06	1.04E+00	0.00E+00	1.01E+01	-3.48E-07	1.01E+01	1.13E+01	1.04E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E+02
HHA125H	9.45E-03	1.17E+00	1.97E-01	9.75E-01	0.00E+00	0.00E+00	7.62E+00	1.49E-05	5.51E-03	9.25E-03	0.00E+00	-2.01E-02	1.62E-09	6.42E-08	4.32E-02	2.21E+00	2.67E-05	0.00E+00	6.45E+00	2.65E-01	9.76E+00	0.00E+00	7.60E-08	4.03E-08	2.72E-03	6.53E-06	1.07E+00	0.00E+00	9.76E+00	-3.45E-07	9.76E+00	1.08E+01	1.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E+02
HHA125U	9.11E-03	1.09E+00	1.95E-01	8.98E-01	0.00E+00	0.00E+00	7.25E+00	1.39E-05	5.44E-03	8.48E-03	0.00E+00	-2.01E-02	1.56E-09	6.34E-08	3.96E-02	2.08E+00	2.67E-05	0.00E+00	6.10E+00	2.65E-01	8.80E+00	0.00E+00	6.85E-08	3.67E-08	2.50E-03	6.52E-06	1.01E+00	0.00E+00	8.80E+00	-7.26E-07	8.80E+00	9.81E+00	1.01E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E+02
HHA125Z	1.07E-02	1.35E+00	2.21E-01	1.10E+00	0.00E+00	0.00E+00	9.13E+00	1.61E-05	6.35E-03	1.23E-02	0.00E+00	-1.62E-02	1.68E-09	6.76E-08	4.92E-02	2.50E+00	2.86E-05	0.00E+00	6.58E+00	2.92E-01	1.06E+01	0.00E+00	8.05E-08	4.76E-08	3.24E-03	7.34E-06	1.13E+00	0.00E+00	1.06E+01	-6.73E-07	1.06E+01	1.25E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E+02
HHA126H	1.24E-02	1.51E+00	2.58E-01	1.26E+00	0.00E+00	0.00E+00	9.76E+00	1.90E-05	7.30E-03	1.19E-02	0.00E+00	-2.63E-02	2.09E-09	8.47E-08	5.48E-02	2.85E+00	2.67E-05	0.00E+00	8.29E+00	3.48E-01	1.24E+01	0.00E+00	9.64E-08	5.15E-08	3.50E-03	8.55E-06	1.38E+00	0.00E+00	1.24E+01	-6.25E-07	1.24E+01	1.37E+01	1.38E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E+02
HHA126U	1.28E-02	1.61E+00	2.71E-01	1.36E+00	0.00E+00	0.00E+00	1.07E+01	1.90E-05	7.35E-03	1.47E-02	0.00E+00	-2.26E-02	2.03E-09	8.06E-08	6.18E-02	2.93E+00	2.87E-05	0.00E+00	7.82E+00	3.57E-01	1.31E+01	0.00E+00	1.00E-07	5.80E-08	3.84E-03	8.90E-06	1.41E+00	0.00E+00	1.31E+01	-6.95E-07	1.31E+01	1.51E+01	1.41E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HHA126Z	1.28E-02	1.63E+00	2.71E-01	1.36E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.44E-03	1.47E-02	0.00E+00	-1.97E-02	2.04E-09	8.17E-08	6.18E-02	3.00E+00	2.87E-05	0.00E+00	7.91E+00	3.63E-01	1.31E+01	0.00E+00	1.01E-07	5.80E-08	3.95E-03	8.93E-06	1.41E+00	0.00E+00	1.31E+01	-7.03E-07	1.31E+01	1.53E+01	1.41E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HHA127H	1.18E-02	1.40E+00	2.55E-01	1.18E+00	0.00E+00	0.00E+00	9.26E+00	1.80E-05	6.86E-03	1.15E-02	0.00E+00	-2.51E-02	2.01E-09	7.71E-08	5.19E-02	2.73E+00	2.62E-05	0.00E+00	7.90E+00	3.42E-01	1.20E+01	0.00E+00	9.11E-08	4.77E-08	3.32E-03	8.37E-06	1.27E+00	0.00E+00	1.20E+01	-3.99E-07	1.20E+01	1.34E+01	1.27E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E+02
HHA160H	9.44E-03	1.17E+00	1.97E-01	9.70E-01	0.00E+00	0.00E+00	7.57E+00	1.47E-05	5.52E-03	9.21E-03	0.00E+00	-2.01E-02	1.57E-09	6.42E-08	4.29E-02	2.20E+00	2.67E-05	0.00E+00	6.33E+00	2.65E-01	9.69E+00	0.00E+00	7.56E-08	4.00E-08	2.71E-03	6.53E-06	1.06E+00	0.00E+00	9.69E+00	-3.95E-07	9.69E+00	1.07E+01	1.06E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E+02
HHA160U	9.10E-03	1.09E+00	1.95E-01	8.93E-01	0.00E+00	0.00E+00	7.20E+00	1.38E-05	5.45E-03	8.43E-03	0.00E+00	-2.01E-02	1.51E-09	6.34E-08	3.94E-02	2.07E+00	2.67E-05	0.00E+00	5.99E+00	2.65E-01	8.73E+00	0.00E+00	6.81E-08	3.64E-08	2.49E-03	6.52E-06	9.97E-01	0.00E+00	8.73E+00	-7.77E-07	8.73E+00	9.73E+00	9.97E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E+02
HHA160Z	1.07E-02	1.35E+00	2.21E-01	1.10E+00	0.00E+00	0.00E+00	9.14E+00	1.61E-05	6.37E-03	1.23E-02	0.00E+00	-1.62E-02	1.67E-09	6.78E-08	4.91E-02	2.51E+00	2.86E-05	0.00E+00	6.56E+00	2.92E-01	1.06E+01	0.00E+00	8.05E-08	4.75E-08	3.24E-03	7.33E-06	1.13E+00	0.00E+00	1.06E+01	-6.74E-07	1.06E+01	1.25E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E+02
HHA161H	1.27E-02	1.40E+00	2.32E-01	1.17E+00	0.00E+00	0.00E+00	9.77E+00	1.94E-05	7.43E-03	1.14E-02	0.00E+00	-2.31E-02	2.02E-09	8.64E-08	5.60E-02	2.91E+00	2.67E-05	0.00E+00	8.34E+00	3.05E-01	1.29E+01	0.00E+00	1.00E-07	5.33E-08	3.46E-03	7.52E-06	1.40E+00	0.00E+00	1.29E+01	1.09E-07	1.29E+01	1.43E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02

HHA161U	1.28E-02	1.60E+00	2.62E-01	1.35E+00	0.00E+00	0.00E+00	1.07E+01	1.91E-05	7.38E-03	1.46E-02	0.00E+00	-2.25E-02	2.03E-09	8.09E-08	6.18E-02	2.94E+00	2.87E-05	0.00E+00	7.82E+00	3.54E-01	1.32E+01	0.00E+00	1.00E-07	5.81E-08	3.85E-03	8.84E-06	1.41E+00	0.00E+00	1.32E+01	-7.01E-07	1.32E+01	1.51E+01	1.41E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HHA161Z	1.28E-02	1.63E+00	2.62E-01	1.36E+00	0.00E+00	0.00E+00	1.08E+01	1.95E-05	7.47E-03	1.47E-02	0.00E+00	-1.83E-02	2.04E-09	8.19E-08	6.18E-02	3.01E+00	2.89E-05	0.00E+00	7.91E+00	3.59E-01	1.32E+01	0.00E+00	1.01E-07	5.83E-08	3.97E-03	8.86E-06	1.42E+00	0.00E+00	1.32E+01	-7.11E-07	1.32E+01	1.54E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HHA162H	1.26E-02	1.53E+00	2.04E-01	1.27E+00	0.00E+00	0.00E+00	9.78E+00	1.92E-05	7.46E-03	1.22E-02	0.00E+00	-2.34E-02	2.05E-09	8.35E-08	5.95E-02	2.95E+00	2.64E-05	0.00E+00	8.37E+00	3.39E-01	1.26E+01	0.00E+00	9.89E-08	5.31E-08	3.59E-03	8.29E-06	1.40E+00	0.00E+00	1.26E+01	-4.50E-07	1.26E+01	1.42E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HHB100U	2.47E-02	2.78E+00	2.06E-01	2.39E+00	0.00E+00	0.00E+00	1.71E+01	3.17E-05	1.45E-02	2.25E-02	0.00E+00	-1.91E-02	3.11E-09	1.75E-07	1.14E-01	5.92E+00	1.62E-06	0.00E+00	1.33E+01	2.58E-01	2.17E+01	0.00E+00	1.82E-07	1.05E-07	6.85E-03	5.91E-06	2.55E+00	0.00E+00	2.17E+01	1.82E-06	2.17E+01	2.43E+01	2.55E+00	0.00E+00	0.00E+00	0.00E+00	5.14E+02
HHB100Z	2.38E-02	2.69E+00	2.09E-01	2.32E+00	0.00E+00	0.00E+00	1.60E+01	3.06E-05	1.39E-02	2.16E-02	0.00E+00	-1.88E-02	2.89E-09	1.68E-07	1.11E-01	5.80E+00	1.82E-06	0.00E+00	1.31E+01	2.44E-01	2.08E+01	0.00E+00	1.72E-07	9.91E-08	6.65E-03	5.67E-06	2.45E+00	0.00E+00	2.08E+01	1.80E-06	2.08E+01	2.33E+01	2.45E+00	0.00E+00	0.00E+00	0.00E+00	4.96E+02
HHB101Z	2.27E-02	2.42E+00	1.89E-01	2.21E+00	0.00E+00	0.00E+00	1.61E+01	2.91E-05	1.38E-02	2.14E-02	0.00E+00	-1.31E-02	2.86E-09	1.51E-07	1.25E-01	5.51E+00	1.05E-06	0.00E+00	1.30E+01	1.76E-01	2.15E+01	0.00E+00	1.64E-07	8.74E-08	6.25E-03	3.95E-06	2.28E+00	0.00E+00	2.15E+01	1.82E-06	2.15E+01	2.39E+01	2.28E+00	0.00E+00	0.00E+00	0.00E+00	4.72E+02
HHB125U	2.46E-02	2.76E+00	2.06E-01	2.38E+00	0.00E+00	0.00E+00	1.69E+01	3.16E-05	1.45E-02	2.24E-02	0.00E+00	-1.89E-02	3.11E-09	1.75E-07	1.13E-01	5.91E+00	1.62E-06	0.00E+00	1.33E+01	2.57E-01	2.16E+01	0.00E+00	1.81E-07	1.04E-07	6.80E-03	5.82E-06	2.53E+00	0.00E+00	2.16E+01	1.82E-06	2.16E+01	2.42E+01	2.53E+00	0.00E+00	0.00E+00	0.00E+00	5.11E+02
HHB125Z	2.38E-02	2.69E+00	2.09E-01	2.32E+00	0.00E+00	0.00E+00	1.60E+01	3.06E-05	1.39E-02	2.16E-02	0.00E+00	-1.88E-02	2.89E-09	1.68E-07	1.11E-01	5.80E+00	1.85E-06	0.00E+00	1.31E+01	2.44E-01	2.08E+01	0.00E+00	1.72E-07	9.91E-08	6.65E-03	5.67E-06	2.45E+00	0.00E+00	2.08E+01	1.80E-06	2.08E+01	2.33E+01	2.45E+00	0.00E+00	0.00E+00	0.00E+00	4.96E+02
HHB126Z	2.80E-02	3.15E+00	2.42E-01	2.74E+00	0.00E+00	0.00E+00	2.02E+01	3.63E-05	1.66E-02	2.63E-02	0.00E+00	-2.13E-02	3.61E-09	1.94E-07	1.38E-01	6.72E+00	1.88E-06	0.00E+00	1.56E+01	2.89E-01	2.54E+01	0.00E+00	2.06E-07	1.16E-07	7.84E-03	6.19E-06	2.87E+00	0.00E+00	2.54E+01	2.05E-06	2.54E+01	2.85E+01	2.87E+00	0.00E+00	0.00E+00	0.00E+00	5.92E+02
HHB160U	2.46E-02	2.78E+00	2.06E-01	2.39E+00	0.00E+00	0.00E+00	1.71E+01	3.17E-05	1.45E-02	2.25E-02	0.00E+00	-1.91E-02	3.11E-09	1.75E-07	1.14E-01	5.92E+00	1.62E-06	0.00E+00	1.33E+01	2.58E-01	2.17E+01	0.00E+00	1.82E-07	1.04E-07	6.84E-03	5.91E-06	2.55E+00	0.00E+00	2.17E+01	1.82E-06	2.17E+01	2.44E+01	2.55E+00	0.00E+00	0.00E+00	0.00E+00	5.14E+02
HHB160Z	2.39E-02	2.70E+00	2.10E-01	2.32E+00	0.00E+00	0.00E+00	1.60E+01	3.07E-05	1.39E-02	2.16E-02	0.00E+00	-1.89E-02	2.89E-09	1.68E-07	1.11E-01	5.81E+00	1.85E-06	0.00E+00	1.31E+01	2.45E-01	2.09E+01	0.00E+00	1.73E-07	9.93E-08	6.67E-03	5.67E-06	2.46E+00	0.00E+00	2.09E+01	1.80E-06	2.09E+01	2.34E+01	2.46E+00	0.00E+00	0.00E+00	0.00E+00	4.97E+02
HHB161Z	2.77E-02	3.15E+00	2.41E-01	2.73E+00	0.00E+00	0.00E+00	2.02E+01	3.61E-05	1.65E-02	2.63E-02	0.00E+00	-2.13E-02	3.62E-09	1.92E-07	1.38E-01	6.69E+00	1.88E-06	0.00E+00	1.56E+01	2.88E-01	2.54E+01	0.00E+00	2.05E-07	1.16E-07	7.83E-03	6.17E-06	2.88E+00	0.00E+00	2.54E+01	2.04E-06	2.54E+01	2.85E+01	2.88E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HHB200L	1.97E-02	2.09E+00	1.60E-01	1.91E+00	0.00E+00	0.00E+00	1.38E+01	2.53E-05	1.20E-02	1.84E-02	0.00E+00	-1.11E-02	2.47E-09	1.32E-07	9.84E-02	4.77E+00	1.05E-06	0.00E+00	1.13E+01	1.44E-01	1.85E+01	0.00E+00	1.44E-07	7.76E-08	5.44E-03	3.65E-06	1.98E+00	0.00E+00	1.85E+01	1.55E-06	1.85E+01	2.05E+01	1.98E+00	0.00E+00	0.00E+00	0.00E+00	4.04E+02
HHB200U	2.43E-02	2.73E+00	2.03E-01	2.34E+00	0.00E+00	0.00E+00	1.67E+01	3.12E-05	1.42E-02	2.21E-02	0.00E+00	-1.88E-02	3.07E-09	1.73E-07	1.12E-01	5.82E+00	1.62E-06	0.00E+00	1.31E+01	2.54E-01	2.13E+01	0.00E+00	1.79E-07	1.03E-07	6.71E-03	5.80E-06	2.50E+00	0.00E+00	2.13E+01	1.80E-06	2.13E+01	2.39E+01	2.50E+00	0.00E+00	0.00E+00	0.00E+00	5.04E+02
HHB200Z	2.41E-02	2.72E+00	2.10E-01	2.33E+00	0.00E+00	0.00E+00	1.64E+01	3.10E-05	1.41E-02	2.20E-02	0.00E+00	-1.89E-02	3.05E-09	1.70E-07	1.11E-01	5.82E+00	1.85E-06	0.00E+00	1.31E+01	2.54E-01	2.12E+01	0.00E+00	1.78E-07	1.02E-07	6.72E-03	5.79E-06	2.48E+00	0.00E+00	2.12E+01	1.80E-06	2.12E+01	2.38E+01	2.48E+00	0.00E+00	0.00E+00	0.00E+00	5.02E+02
HHB201L	2.50E-02	2.63E+00	1.99E-01	2.43E+00	0.00E+00	0.00E+00	1.77E+01	3.20E-05	1.51E-02	2.31E-02	0.00E+00	-1.41E-02	3.17E-09	1.69E-07	1.24E-01	5.99E+00	8.85E-07	0.00E+00	1.41E+01	1.87E-01	2.33E+01	0.00E+00	1.83E-07	9.79E-08	6.82E-03	4.73E-06	2.53E+00	0.00E+00	2.33E+01	1.89E-06	2.33E+01	2.59E+01	2.53E+00	0.00E+00	0.00E+00	0.00E+00	5.13E+02
HHB201Z	2.77E-02	3.15E+00	2.41E-01	2.73E+00	0.00E+00	0.00E+00	2.02E+01	3.62E-05	1.65E-02	2.63E-02	0.00E+00	-2.13E-02	3.62E-09	1.92E-07	1.38E-01	6.69E+00	1.88E-06	0.00E+00	1.56E+01	2.88E-01	2.54E+01	0.00E+00	2.06E-07	1.16E-07	7.83E-03	6.18E-06	2.88E+00	0.00E+00	2.54E+01	2.05E-06	2.54E+01	2.85E+01	2.88E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HHB250L	1.97E-02	2.09E+00	1.60E-01	1.92E+00	0.00E+00	0.00E+00	1.38E+01	2.54E-05	1.20E-02	1.84E-02	0.00E+00	-1.11E-02	2.48E-09	1.32E-07	9.87E-02	4.78E+00	1.05E-06	0.00E+00	1.13E+01	1.45E-01	1.85E+01	0.00E+00	1.44E-07	7.77E-08	5.45E-03	3.65E-06	1.99E+00	0.00E+00	1.85E+01	1.55E-06	1.85E+01	2.06E+01	1.99E+00	0.00E+00	0.00E+00	0.00E+00	4.04E+02
HHB250U	2.46E-02	2.76E+00	2.06E-01	2.39E+00	0.00E+00	0.00E+00	1.70E+01	3.17E-05	1.45E-02	2.24E-02	0.00E+00	-1.90E-02	3.12E-09	1.75E-07	1.13E-01	5.94E+00	1.62E-06	0.00E+00	1.33E+01	2.57E-01	2.17E+01	0.00E+00	1.82E-07	1.04E-07	6.82E-03	5.83E-06	2.54E+00	0.00E+00	2.17E+01	1.83E-06	2.17E+01	2.43E+01	2.54E+00	0.00E+00	0.00E+00	0.00E+00	5.12E+02
HHB250Z	2.41E-02	2.72E+00	2.11E-01	2.33E+00	0.00E+00	0.00E+00	1.65E+01	3.11E-05	1.42E-02	2.20E-02	0.00E+00	-1.89E-02	3.07E-09	1.70E-07	1.11E-01	5.83E+00	1.85E-06	0.00E+00	1.32E+01	2.54E-01	2.13E+01	0.00E+00	1.79E-07	1.02E-07	6.73E-03	5.80E-06	2.48E+00	0.00E+00	2.13E+01	1.80E-06	2.13E+01	2.38E+01	2.48E+00	0.00E+00	0.00E+00	0.00E+00	5.02E+02
HHB251L	2.59E-02	2.73E+00	2.06E-01	2.52E+00	0.00E+00	0.00E+00	1.83E+01	3.31E-05	1.57E-02	2.39E-02	0.00E+00	-1.46E-02	3.28E-09	1.75E-07	1.28E-01	6.20E+00	8.85E-07	0.00E+00	1.46E+01	1.92E-01	2.41E+01	0.00E+00	1.89E-07	1.01E-07	7.06E-03	4.88E-06	2.61E+00	0.00E+00	2.41E+01	1.95E-06	2.41E+01	2.68E+01	2.61E+00	0.00E+00	0.00E+00	0.00E+00	5.31E+02
HHB251Z	2.81E-02	3.17E+00	2.43E-01	2.75E+00	0.00E+00	0.00E+00	2.03E+01	3.64E-05	1.67E-02	2.65E-02	0.00E+00	-2.13E-02	3.64E-09	1.94E-07	1.39E-01	6.75E+00	1.88E-06	0.00E+00	1.57E+01	2.89E-01	2.56E+01	0.00E+00	2.07E-07	1.17E-07	7.88E-03	6.22E-06	2.90E+00	0.00E+00	2.56E+01	2.06E-06	2.56E+01	2.87E+01	2.90E+00	0.00E+00	0.00E+00	0.00E+00	5.95E+02
HHJ250DR	6.32E-02	7.12E+00	9.73E-01	6.11E+00	0.00E+00	0.00E+00	4.44E+01	8.18E-05	3.82E-02	5.78E-02	0.00E+00	-9.82E-02	8.20E-09	4.30E-07	2.55E-01	1.35E+01	7.51E-05	0.00E+00	3.57E+01	1.23E+00	5.58E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.09E-05	6.21E+00	0.00E+00	5.58E+01	-1.92E-06	5.58E+01	6.24E+01	6.21E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HHJ251DR	8.06E-02	8.41E+00	1.25E+00	7.18E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.90E-02	6.95E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.30E-01	1.77E+01	7.68E-05	0.00E+00	4.68E+01	1.60E+00	7.52E+01	0.00E+00	5.91E-07	3.14E-07	2.10E-02	3.92E-05	8.09E+00	0.00E+00	7.52E+01	-5.44E-07	7.52E+01	8.29E+01	8.09E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HHJ320DR	6.32E-02	7.12E+00	9.73E-01	6.11E+00	0.00E+00	0.00E+00	4.44E+01	8.18E-05	3.82E-02	5.78E-02	0.00E+00	-9.82E-02	8.20E-09	4.30E-07	2.55E-01	1.35E+01	7.51E-05	0.00E+00	3.57E+01	1.23E+00	5.58E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.09E-05	6.21E+00	0.00E+00	5.58E+01	-1.92E-06	5.58E+01	6.24E+01	6.21E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HHJ321DR	8.06E-02	8.43E+00	1.25E+00	7.19E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.90E-02	6.95E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.68E+01	1.60E+00	7.50E+01	0.00E+00	5.90E-07	3.12E-07	2.10E-02	3.92E-05	8.08E+00	0.00E+00	7.50E+01	-5.95E-07	7.50E+01	8.25E+01	8.08E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HHJ400DR	6.32E-02	7.11E+00	9.72E-01	6.11E+00	0.00E+00	0.00E+00	4.43E+01	8.20E-05	3.81E-02	5.77E-02	0.00E+00	-9.82E-02	8.16E-09	4.30E-07	2.54E-01	1.35E+01	7.50E-05	0.00E+00	3.56E+01	1.22E+00	5.56E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.06E-05	6.20E+00	0.00E+00	5.56E+01	-1.95E-06	5.56E+01	6.23E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HHJ401DR	8.13E-02	8.34E+00	1.24E+00	7.11E+00	0.00E+00	0.00E+00	5.80E+01	1.12E-04	4.92E-02	6.93E-02	0.00E+00	-1.19E-01	1.04E-08	5.58E-07	3.33E-01	1.79E+01	7.68E-05	0.00E+00	4.75E+01	1.58E+00	7.67E+01	0.00E+00	6.00E-07	3.20E-07	2.12E-02	3.88E-05	8.22E+00	0.00E+00	7.67E+01	1.18E-06	7.67E+01	8.49E+01	8.22E+00	0.00E+00	0.00E+00	0.00E+00	1.73E+03
HHJ631DE	8.23E-02	8.59E+00	1.35E+00	7.24E+00	0.00E+00	0.00E+00	5.85E+01	1.13E-04	4.99E-02	7.04E-02	0.00E+00	-1.33E-01	1.05E-08	5.65E-07	3.36E-01	1.81E+01	7.68E-05	0.00E+00	4.79E+01	1.75E+00	7.74E+01	0.00E+00	6.06E-07	3.22E-07	2.15E-02	4.32E-05	8.28E+00	0.00E+00	7.74E+01	-3.23E-07	7.74E+01	8.56E+01	8.28E+00	0.00E+00	0.00E+00	0.00E+00	1.75E+03
HHM100ER	2.31E-02	2.72E+00	2.77E-01	2.35E+00	0.00E+00	0.00E+00	1.71E+01	3.06E-05	1.29E-02	2.30E-02	0.00E+00	-2.23E-02	3.01E-09	1.61E-07	1.13E-01	5.40E+00	3.15E-05	0.00E+00	1.32E+01	3.31E-01	2.15E+01	0.00E+00	1.75E-07	9.73E-08	6.47E-03	7.73E-06	2.52E+00	0.00E+00	2.15E+01	2.43E-06	2.15E+01	2.34E+01	2.52E+00	0.00E+00	0.00E+00	0.00E+00	4.95E+02
HHM101ER	2.45E-02	2.93E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.17E-01	5.57E+00	3.15E-05	0.00E+00	1.45E+01	3.42E-01	2.40E+01	0.00E+00	1.94E-07	1.07E-07	6.98E-03	7.94E-06	2.74E+00	0.00E+00	2.40E+01	2.47E-06	2.40E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHM103ER	2.45E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.57E+00	3.15E-05	0.00E+00	1.45E+01	3.42E-01	2.40E+01	0.00E+00	1.94E-07	1.07E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.40E+01	2.47E-06	2.40E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHM125ER	2.31E-02	2.72E+00	2.77E-01	2.35E+00	0.00E+00	0.00E+00	1.71E+01	3.06E-05	1.29E-02	2.30E-02	0.00E+00	-2.23E-02	3.01E-09	1.61E-07	1.13E-01	5.40E+00	3.15E-05	0.00E+00	1.32E+01	3.31E-01	2.15E+01	0.00E+00	1.75E-07	9.73E-08	6.47E-03	7.73E-06	2.52E+00	0.00E+00	2.15E+01	2.43E-06	2.15E+01	2.34E+01	2.52E+00	0.00E+00	0.00E+00	0.00E+00	4.95E+02
HHM126ER	2.45E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.57E+00	3.15E-05	0.00E+00	1.45E+01	3.42E-01	2.40E+01	0.00E+00	1.94E-07	1.07E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.40E+01	2.47E-06	2.40E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHM128ER	2.45E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.57E+00	3.15E-05	0.00E+00	1.45E+01	3.42E-01	2.40E+01	0.00E+00	1.94E-07	1.07E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.40E+01	2.47E-06	2.40E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHM150ER	2.53E-02	2.95E+00	2.77E-01	2.54E+00	0.00E+00	0.00E+00	1.74E+01	3.33E-05	1.43E-02	2.40E-02	0.00E+00	-2.23E-02	3.14E-09	1.76E-07	1.16E-01	5.99E+00	3.16E-05	0.00E+00	1.41E+01	3.30E-01	2.31E+01	0.00E+00	1.92E-07	1.05E-07	7.14E-03	7.71E-06	2.65E+00	0.00E+00	2.31E+01	2.52E-06	2.31E+01	2.52E+01	2.65E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HHM151ER	2.73E-02	3.24E+00	2.77E-01	2.81E+00	0.00E+00	0.00E+00	2.06E+01	3.71E-05	1.56E-02	2.77E-02	0.00E+00	-2.25E-02	3.67E-09	1.89E-07	1.19E-01	6.29E+00	3.16E-05	0.00E+00	1.58E+01	3.41E-01	2.63E+01	0.00E+00	2.17E-07	1.18E-07	7.91E-03	7.92E-06	2.93E+00	0.00E+00	2.63E+01	2.56E-06	2.63E+01	2.88E+01	2.93E+00	0.00E+00	0.00E+00	0.00E+00	5.96E+02
HHM153ER	2.45E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.57E+00	3.15E-05	0.00E+00	1.45E+01	3.42E-01	2.40E+01	0.00E+00	1.94E-07	1.07E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.40E+01	2.47E-06	2.40E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHM160ER	2.31E-02	2.72E+00	2.77E-01	2.35E+00	0.00E+00	0.00E+00	1.71E+01	3.06E-05	1.29E-02	2.30E-02	0.00E+00	-2.23E-02	3.01E-09	1.62E-07	1.13E-01	5.41E+00	3.15E-05	0.00E+00	1.32E+01	3.31E-01	2.15E+01	0.00E+00	1.75E-07	9.74E-08	6.48E-03	7.73E-06	2.53E+00	0.00E+00	2.15E+01	2.43E-06	2.15E+01	2.34E+01	2.53E+00	0.00E+00	0.00E+00	0.00E+00	4.96E+02
HHM161ER	2.45E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.58E+00	3.15E-05	0.00E+00	1.45E+01	3.42E-01	2.40E+01	0.00E+00	1.94E-07	1.07E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.40E+01	2.47E-06	2.40E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHM163ER	2.45E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.58E+00	3.15E-05	0.00E+00	1.45E+01	3.42E-01	2.40E+01	0.00E+00	1.94E-07	1.07E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.40E+01	2.47E-06	2.40E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHM200ER	2.31E-02	2.72E+00	2.68E-01	2.35E+00	0.00E+00	0.00E+00	1.71E+01	3.06E-05	1.29E-02	2.31E-02	0.00E+00	-2.23E-02	3.01E-09	1.61E-07	1.13E-01	5.42E+00	3.15E-05	0.00E+00	1.32E+01	3.31E-01	2.15E+01	0.00E+00	1.76E-07	9.76E-08	6.48E-03	7.73E-06	2.53E+00	0.00E+00	2.15E+01	2.43E-06	2.15E+01	2.35E+01	2.53E+00	0.00E+00	0.00E+00	0.00E+00	4.96E+02
HHM201ER	2.46E-02	2.94E+00	2.68E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.58E+00	3.15E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.95E-07	1.08E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.62E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHM203ER	2.46E-02	2.94E+00	2.68E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.58E+00	3.15E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.95E-07	1.08E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.62E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHM250ER	2.32E-02	2.72E+00	2.67E-01	2.36E+00	0.00E+00	0.00E+00	1.71E+01	3.07E-05	1.29E-02	2.31E-02	0.00E+00	-2.22E-02	3.02E-09	1.62E-07	1.13E-01	5.41E+00	3.15E-05	0.00E+00	1.32E+01	3.28E-01	2.15E+01	0.00E+00	1.76E-07	9.77E-08	6.50E-03	7.65E-06	2.53E+00	0.00E+00	2.15E+01	2.45E-06	2.15E+01	2.36E+01	2.53E+00	0.00E+00	0.00E+00	0.00E+00	4.97E+02
HHM251ER	2.46E-02	2.94E+00	2.66E-01	2.57E+00	0.00E+00	0.00E+00	2.02E+01	3.35E-05	1.41E-02	2.64E-02	0.00E+00	-2.24E-02	3.50E-09	1.72E-07	1.17E-01	5.57E+00	3.16E-05	0.00E+00	1.45E+01	3.39E-01	2.41E+01	0.00E+00	1.95E-07	1.08E-07	7.02E-03	7.86E-06	2.75E+00	0.00E+00	2.41E+01	2.49E-06	2.41E+01	2.63E+01	2.75E+00	0.00E+00	0.00E+00	0.00E+00	5.40E+02
HHM253ER	2.46E-02	2.94E+00	2.66E-01	2.57E+00	0.00E+00	0.00E+00	2.02E+01	3.35E-05	1.41E-02	2.64E-02	0.00E+00	-2.24E-02	3.50E-09	1.72E-07	1.17E-01	5.57E+00	3.16E-05	0.00E+00	1.45E+01	3.39E-01	2.41E+01	0.00E+00	1.95E-07	1.08E-07	7.02E-03	7.86E-06	2.75E+00	0.00E+00	2.41E+01	2.49E-06	2.41E+01	2.63E+01	2.75E+00	0.00E+00	0.00E+00	0.00E+00	5.40E+02
HHS014EC	3.33E-03	5.04E-01	8.24E-02	3.72E-01	0.00E+00	0.00E+00	3.30E+00	5.81E-06	1.73E-03	3.80E-03	0.00E+00	1.28E-02	7.55E-10	2.24E-08	1.88E-02	8.23E-01	2.75E-05	0.00E+00	2.49E+00	1.11E-01	4.09E+00	0.00E+00	3.18E-08	1.55E-08	1.06E-03	3.01E-06	4.29E-01	0.00E+00	4.09E+00	-2.14E-07	4.09E+00	4.02E+00	4.29E-01	0.00E+00	0.00E+00	0.00E+00	9.47E+01
HHS018EC	3.31E-03	5.03E-01	8.22E-02	3.72E-01	0.00E+00	0.00E+00	3.29E+00	5.78E-06	1.72E-03	3.79E-03	0.00E+00	1.28E-02	7.55E-10	2.22E-08	1.88E-02	8.20E-01	2.75E-05	0.00E+00	2.48E+00	1.11E-01	4.08E+00	0.00E+00	3.18E-08	1.54E-08	1.05E-03	3.00E-06	4.28E-01	0.00E+00	4.08E+00	-2.14E-07	4.08E+00	4.00E+00	4.28E-01	0.00E+00	0.00E+00	0.00E+00	9.44E+01
HHS023EC	3.89E-03	5.70E-01	8.68E-02	4.29E-01	0.00E+00	0.00E+00	3.50E+00	6.60E-06	2.06E-03	4.20E-03	0.00E+00	1.28E-02	7.99E-10	2.71E-08	1.96E-02	9.81E-01	2.75E-05	0.00E+00	2.93E+00	1.11E-01	4.49E+00	0.00E+00	3.66E-08	1.70E-08	1.17E-03	3.00E-06	5.00E-01	0.00E+00	4.49E+00	-2.26E-07	4.49E+00	4.52E+00	5.00E-01	0.00E+00	0.00E+00	0.00E+00	1.10E+02
HHS025BC	1.25E-02	1.50E+00	1.87E-01	1.34E+00	0.00E+00	0.00E+00	1.06E+01	1.82E-05	7.17E-03	1.26E-02	0.00E+00	2.14E-02	1.87E-09	7.78E-08	7.10E-02	3.06E+00	2.72E-05	0.00E+00	7.55E+00	7.22E-02	1.41E+01	0.00E+00	1.02E-07	5.58E-08	3.80E-03	4.30E-06	1.40E+00	0.00E+00	1.41E+01	2.06E-06	1.41E+01	1.48E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	2.93E+02
HHS025DC	1.33E-02	1.60E+00	1.88E-01	1.45E+00	0.00E+00	0.00E+00	1.08E+01	1.92E-05	7.58E-03	1.31E-02	0.00E+00	2.13E-02	1.93E-09	8.15E-08	7.14E-02	3.20E+00	2.72E-05	0.00E+00	7.90E+00	7.17E-02	1.46E+01	0.00E+00	1.12E-07	6.06E-08	4.10E-03	4.65E-06	1.50E+00	0.00E+00	1.46E+01	2.15E-06	1.46E+01	1.56E+01	1.50E+00	0.00E+00	0.00E+00	0.00E+00	3.10E+02
HHS025DR	1.51E-02	1.64E+00	2.45E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.72E-08	6.75E-02	3.64E+00	3.00E-05	0.00E+00	8.64E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.35E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	1.22E-08	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HHS026BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.89E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS026DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.11E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS026DR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.52E-06	2.24E+00	0.00E+00	1.99E+01	-5.97E-08	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HHS030EC	3.31E-03	5.02E-01	8.21E-02	3.70E-01	0.00E+00	0.00E+00	3.29E+00	5.76E-06	1.69E-03	3.79E-03	0.00E+00	1.28E-02	7.52E-10	2.21E-08	1.85E-02	8.17E-01	2.75E-05	0.00E+00	2.44E+00	1.11E-01	4.05E+00	0.00E+00	3.16E-08	1.53E-08	1.05E-03	3.00E-06	4.26E-01	0.00E+00	4.05E+00	-2.17E-07	4.05E+00	3.98E+00	4.26E-01	0.00E+00	0.00E+00	0.00E+00	9.39E+01
HHS038EC	3.11E-03	4.93E-01	8.09E-02	3.64E-01	0.00E+00	0.00E+00	3.07E+00	5.47E-06	1.60E-03	3.69E-03	0.00E+00	-7.67E-03	7.29E-10	2.04E-08	1.72E-02	7.76E-01	2.74E-05	0.00E+00	2.38E+00	1.10E-01	3.93E+00	0.00E+00	3.05E-08	1.49E-08	1.02E-03	2.93E-06	4.07E-01	0.00E+00	3.93E+00	-2.24E-07	3.93E+00	3.82E+00	4.07E-01	0.00E+00	0.00E+00	0.00E+00	9.00E+01
HHS040BC	1.25E-02	1.50E+00	1.87E-01	1.34E+00	0.00E+00	0.00E+00	1.06E+01	1.82E-05	7.20E-03	1.26E-02	0.00E+00	2.14E-02	1.87E-09	7.80E-08	7.10E-02	3.06E+00	2.72E-05	0.00E+00	7.55E+00	6.94E-02	1.41E+01	0.00E+00	1.02E-07	5.58E-08	3.80E-03	4.30E-06	1.40E+00	0.00E+00	1.41E+01	2.06E-06	1.41E+01	1.48E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	2.93E+02
HHS040DC	1.32E-02	1.58E+00	1.87E-01	1.43E+00	0.00E+00	0.00E+00	1.07E+01	1.92E-05	7.53E-03	1.30E-02	0.00E+00	2.14E-02	1.91E-09	8.25E-08	7.14E-02	3.18E+00	2.72E-05	0.00E+00	7.85E+00	6.78E-02	1.46E+01	0.00E+00	1.11E-07	5.98E-08	4.05E-03	4.29E-06	1.49E+00	0.00E+00	1.46E+01	2.15E-06	1.46E+01	1.55E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HHS040DR	1.51E-02	1.64E+00	2.45E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.24E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.72E-08	6.75E-02	3.64E+00	3.00E-05	0.00E+00	8.64E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.20E-08	4.35E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	1.42E-08	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.38E+02
HHS041BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.70E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.89E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	7.79E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS041DC	1.52E-02	1.77E+00	1.84E-01	1.60E+00	0.00E+00	0.00E+00	1.23E+01	2.09E-05	8.50E-03	1.57E-02	0.00E+00	2.14E-02	2.22E-09	1.01E-07	8.73E-02	3.56E+00	3.02E-05	0.00E+00	9.30E+00	7.94E-02	1.58E+01	0.00E+00	1.20E-07	6.54E-08	4.45E-03	4.28E-06	1.75E+00	0.00E+00	1.58E+01	2.14E-06	1.58E+01	1.74E+01	1.75E+00	0.00E+00	0.00E+00	0.00E+00	3.33E+02
HHS041DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.34E+01	2.84E-05	1.25E-02	1.96E-02	0.00E+00	1.54E-02	2.67E-09	1.43E-07	8.28E-02	5.06E+00	3.05E-05	0.00E+00	1.20E+01	2.92E-01	1.97E+01	0.00E+00	1.61E-07	8.24E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	1.07E-08	1.97E+01	2.21E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HHS048EC	3.11E-03	4.94E-01	8.09E-02	3.64E-01	0.00E+00	0.00E+00	3.08E+00	5.49E-06	1.60E-03	3.70E-03	0.00E+00	-7.66E-03	7.30E-10	2.03E-08	1.72E-02	7.77E-01	2.74E-05	0.00E+00	2.38E+00	1.10E-01	3.93E+00	0.00E+00	3.06E-08	1.49E-08	1.02E-03	2.93E-06	4.08E-01	0.00E+00	3.93E+00	-2.23E-07	3.93E+00	3.83E+00	4.08E-01	0.00E+00	0.00E+00	0.00E+00	9.02E+01
HHS050BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HHS051BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS061EC	3.14E-03	4.95E-01	8.12E-02	3.65E-01	0.00E+00	0.00E+00	3.10E+00	5.53E-06	1.62E-03	3.71E-03	0.00E+00	-7.66E-03	7.32E-10	2.06E-08	1.72E-02	7.84E-01	2.74E-05	0.00E+00	2.40E+00	1.10E-01	3.95E+00	0.00E+00	3.08E-08	1.50E-08	1.02E-03	2.94E-06	4.12E-01	0.00E+00	3.95E+00	-2.21E-07	3.95E+00	3.85E+00	4.12E-01	0.00E+00	0.00E+00	0.00E+00	9.08E+01
HHS063BC	1.34E-02	1.63E+00	1.89E-01	1.46E+00	0.00E+00	0.00E+00	1.09E+01	1.94E-05	7.67E-03	1.32E-02	0.00E+00	2.15E-02	1.96E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.16E-02	1.49E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.29E-06	1.52E+00	0.00E+00	1.49E+01	2.07E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HHS063DC	1.34E-02	1.63E+00	1.89E-01	1.46E+00	0.00E+00	0.00E+00	1.09E+01	1.94E-05	7.67E-03	1.33E-02	0.00E+00	2.17E-02	1.96E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.16E-02	1.49E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.29E-06	1.52E+00	0.00E+00	1.49E+01	2.16E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HHS063DR	1.51E-02	1.64E+00	2.45E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.23E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.75E-08	6.75E-02	3.64E+00	3.00E-05	0.00E+00	8.65E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.20E-08	4.36E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	-3.28E-09	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.38E+02
HHS064BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	7.89E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.31E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS064DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.93E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	7.97E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.31E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS064DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.97E-02	0.00E+00	1.42E-02	2.67E-09	1.44E-07	8.30E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.91E-01	1.97E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-1.50E-08	1.97E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HHS078EC	3.76E-03	5.62E-01	8.58E-02	4.24E-01	0.00E+00	0.00E+00	3.30E+00	6.37E-06	2.02E-03	4.14E-03	0.00E+00	-7.88E-03	7.63E-10	2.58E-08	1.84E-02	9.50E-01	2.74E-05	0.00E+00	2.89E+00	1.10E-01	4.41E+00	0.00E+00	3.58E-08	1.66E-08	1.14E-03	2.94E-06	4.84E-01	0.00E+00	4.41E+00	-2.50E-07	4.41E+00	4.41E+00	4.84E-01	0.00E+00	0.00E+00	0.00E+00	1.07E+02
HHS080BC	1.34E-02	1.63E+00	1.89E-01	1.46E+00	0.00E+00	0.00E+00	1.09E+01	1.94E-05	7.67E-03	1.32E-02	0.00E+00	2.16E-02	1.96E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.30E-02	1.49E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.34E-06	1.52E+00	0.00E+00	1.49E+01	2.07E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HHS080DC	1.34E-02	1.63E+00	1.90E-01	1.46E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.67E-03	1.32E-02	0.00E+00	2.18E-02	1.95E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.09E-02	1.48E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.37E-06	1.52E+00	0.00E+00	1.48E+01	2.33E-06	1.48E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HHS080DR	1.51E-02	1.64E+00	2.44E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.67E-08	6.75E-02	3.65E+00	3.00E-05	0.00E+00	8.66E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.36E-03	7.17E-06	1.62E+00	0.00E+00	1.48E+01	-3.28E-09	1.48E+01	1.63E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HHS081BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS081DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.96E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.11E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS081DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.97E-02	0.00E+00	1.42E-02	2.67E-09	1.44E-07	8.28E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.97E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-1.50E-08	1.97E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HHS098EC	3.39E-03	5.21E-01	8.75E-02	3.93E-01	0.00E+00	0.00E+00	3.25E+00	5.96E-06	1.83E-03	3.94E-03	0.00E+00	-7.52E-03	7.30E-10	2.23E-08	1.77E-02	8.46E-01	2.74E-05	0.00E+00	2.63E+00	1.10E-01	4.26E+00	0.00E+00	3.26E-08	1.62E-08	1.09E-03	2.94E-06	4.40E-01	0.00E+00	4.26E+00	-2.43E-07	4.26E+00	4.17E+00	4.40E-01	0.00E+00	0.00E+00	0.00E+00	9.77E+01
HHS100BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HHS100DC	1.34E-02	1.63E+00	1.90E-01	1.46E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.67E-03	1.32E-02	0.00E+00	2.18E-02	1.95E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.09E-02	1.48E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.37E-06	1.52E+00	0.00E+00	1.48E+01	2.33E-06	1.48E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HHS100DR	1.51E-02	1.64E+00	2.44E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.67E-08	6.75E-02	3.65E+00	3.00E-05	0.00E+00	8.66E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.36E-03	7.17E-06	1.62E+00	0.00E+00	1.48E+01	-3.28E-09	1.48E+01	1.63E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02

HHS101BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS101DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.93E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.11E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS101DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.97E-02	0.00E+00	1.42E-02	2.67E-09	1.44E-07	8.30E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.97E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-1.50E-08	1.97E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HHS102DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.14E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS123EC	3.64E-03	5.48E-01	9.87E-02	4.26E-01	0.00E+00	0.00E+00	3.43E+00	6.51E-06	2.00E-03	4.19E-03	0.00E+00	-7.35E-03	7.68E-10	2.47E-08	1.89E-02	9.06E-01	2.75E-05	0.00E+00	2.85E+00	1.10E-01	4.47E+00	0.00E+00	3.45E-08	1.71E-08	1.18E-03	2.98E-06	4.62E-01	0.00E+00	4.47E+00	-2.18E-07	4.47E+00	4.41E+00	4.62E-01	0.00E+00	0.00E+00	0.00E+00	1.04E+02
HHS125BC	1.34E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.69E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.22E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.37E-06	1.53E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HHS125DC	1.34E-02	1.63E+00	1.91E-01	1.46E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.70E-03	1.32E-02	0.00E+00	2.16E-02	1.95E-09	8.23E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.03E-02	1.48E+01	0.00E+00	1.13E-07	6.13E-08	4.17E-03	5.35E-06	1.52E+00	0.00E+00	1.48E+01	2.16E-06	1.48E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HHS125DR	1.52E-02	1.65E+00	2.44E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.26E-03	1.43E-02	0.00E+00	1.40E-02	1.90E-09	9.69E-08	6.75E-02	3.66E+00	3.00E-05	0.00E+00	8.67E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.22E-08	4.37E-03	7.17E-06	1.62E+00	0.00E+00	1.48E+01	-1.61E-09	1.48E+01	1.63E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HHS126BC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.73E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.93E-02	3.67E+00	3.03E-05	0.00E+00	9.53E+00	7.80E-02	1.63E+01	0.00E+00	1.27E-07	6.73E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HHS126DC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.73E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.96E-02	3.67E+00	3.03E-05	0.00E+00	9.53E+00	7.87E-02	1.63E+01	0.00E+00	1.27E-07	6.73E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HHS126DR	2.13E-02	2.29E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.36E+01	2.85E-05	1.25E-02	1.98E-02	0.00E+00	1.42E-02	2.67E-09	1.44E-07	8.31E-02	5.07E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.98E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.98E+01	-1.24E-08	1.98E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.39E+02
HHS127DC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.73E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.94E-02	3.67E+00	3.03E-05	0.00E+00	9.53E+00	7.87E-02	1.63E+01	0.00E+00	1.27E-07	6.73E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HHS160BC	1.35E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.71E-03	1.33E-02	0.00E+00	2.27E-02	1.96E-09	8.18E-08	7.14E-02	3.24E+00	2.74E-05	0.00E+00	8.03E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.38E-06	1.53E+00	0.00E+00	1.49E+01	2.25E-06	1.49E+01	1.59E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HHS160DC	1.35E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.71E-03	1.33E-02	0.00E+00	2.27E-02	1.96E-09	8.18E-08	7.14E-02	3.24E+00	2.74E-05	0.00E+00	8.03E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.38E-06	1.53E+00	0.00E+00	1.49E+01	2.25E-06	1.49E+01	1.59E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HHS160DR	1.52E-02	1.64E+00	2.38E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.18E-05	9.29E-03	1.42E-02	0.00E+00	1.40E-02	1.90E-09	9.75E-08	6.76E-02	3.66E+00	3.00E-05	0.00E+00	8.68E+00	2.83E-01	1.48E+01	0.00E+00	1.20E-07	6.22E-08	4.37E-03	7.16E-06	1.62E+00	0.00E+00	1.48E+01	-5.81E-07	1.48E+01	1.64E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HHS161BC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.93E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.80E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HHS161DC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.76E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.99E-02	3.68E+00	3.03E-05	0.00E+00	9.58E+00	7.87E-02	1.64E+01	0.00E+00	1.27E-07	6.80E-08	4.70E-03	5.38E-06	1.84E+00	0.00E+00	1.64E+01	2.27E-06	1.64E+01	1.81E+01	1.84E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HHS161DR	2.13E-02	2.29E+00	2.39E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.85E-05	1.25E-02	1.97E-02	0.00E+00	1.45E-02	2.68E-09	1.44E-07	8.29E-02	5.09E+00	3.03E-05	0.00E+00	1.20E+01	2.91E-01	1.98E+01	0.00E+00	1.62E-07	8.30E-08	6.01E-03	7.43E-06	2.20E+00	0.00E+00	1.98E+01	-5.49E-07	1.98E+01	2.22E+01	2.20E+00	0.00E+00	0.00E+00	0.00E+00	4.39E+02
HHS162DC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.93E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.87E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HHT050DR	2.27E-02	2.49E+00	2.40E-01	2.27E+00	0.00E+00	0.00E+00	1.54E+01	2.98E-05	1.31E-02	2.16E-02	0.00E+00	-1.33E-02	2.94E-09	1.50E-07	1.04E-01	5.22E+00	3.21E-05	0.00E+00	1.31E+01	2.39E-01	2.17E+01	0.00E+00	1.78E-07	9.13E-08	6.26E-03	6.66E-06	2.34E+00	0.00E+00	2.17E+01	2.55E-06	2.17E+01	2.36E+01	2.34E+00	0.00E+00	0.00E+00	0.00E+00	4.68E+02
HHT051DR	2.46E-02	2.79E+00	2.39E-01	2.55E+00	0.00E+00	0.00E+00	1.82E+01	3.33E-05	1.42E-02	2.48E-02	0.00E+00	-1.27E-02	3.26E-09	1.61E-07	1.07E-01	5.54E+00	3.21E-05	0.00E+00	1.46E+01	2.39E-01	2.47E+01	0.00E+00	1.98E-07	1.01E-07	6.98E-03	6.58E-06	2.59E+00	0.00E+00	2.47E+01	2.63E-06	2.47E+01	2.66E+01	2.59E+00	0.00E+00	0.00E+00	0.00E+00	5.22E+02
HHT063DR	2.27E-02	2.49E+00	2.40E-01	2.27E+00	0.00E+00	0.00E+00	1.54E+01	2.98E-05	1.31E-02	2.16E-02	0.00E+00	-1.33E-02	2.94E-09	1.50E-07	1.04E-01	5.22E+00	3.21E-05	0.00E+00	1.31E+01	2.39E-01	2.17E+01	0.00E+00	1.78E-07	9.13E-08	6.26E-03	6.66E-06	2.34E+00	0.00E+00	2.17E+01	2.55E-06	2.17E+01	2.36E+01	2.34E+00	0.00E+00	0.00E+00	0.00E+00	4.68E+02
HHT064DR	2.46E-02	2.78E+00	2.39E-01	2.54E+00	0.00E+00	0.00E+00	1.82E+01	3.32E-05	1.42E-02	2.47E-02	0.00E+00	-1.39E-02	3.26E-09	1.61E-07	1.06E-01	5.56E+00	3.19E-05	0.00E+00	1.46E+01	2.41E-01	2.46E+01	0.00E+00	1.97E-07	1.01E-07	6.95E-03	6.59E-06	2.59E+00	0.00E+00	2.46E+01	2.46E-06	2.46E+01	2.65E+01	2.59E+00	0.00E+00	0.00E+00	0.00E+00	5.22E+02
HHT100BR	2.54E-02	2.96E+00	2.77E-01	2.55E+00	0.00E+00	0.00E+00	1.74E+01	3.33E-05	1.43E-02	2.40E-02	0.00E+00	-2.14E-02	3.14E-09	1.76E-07	1.16E-01	5.98E+00	3.25E-05	0.00E+00	1.41E+01	3.30E-01	2.31E+01	0.00E+00	1.94E-07	1.05E-07	7.14E-03	7.70E-06	2.65E+00	0.00E+00	2.31E+01	2.55E-06	2.31E+01	2.52E+01	2.65E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HHT100DR	2.30E-02	2.57E+00	2.40E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.03E-05	1.34E-02	2.19E-02	0.00E+00	-1.36E-02	2.99E-09	1.53E-07	1.04E-01	5.31E+00	3.21E-05	0.00E+00	1.32E+01	2.49E-01	2.18E+01	0.00E+00	1.79E-07	9.27E-08	6.37E-03	6.66E-06	2.36E+00	0.00E+00	2.18E+01	2.55E-06	2.18E+01	2.37E+01	2.36E+00	0.00E+00	0.00E+00	0.00E+00	4.80E+02
HHT101BR	2.49E-02	2.86E+00	2.39E-01	2.59E+00	0.00E+00	0.00E+00	1.85E+01	3.42E-05	1.45E-02	2.53E-02	0.00E+00	-1.37E-02	3.39E-09	1.65E-07	1.07E-01	5.65E+00	3.21E-05	0.00E+00	1.49E+01	2.50E-01	2.48E+01	0.00E+00	2.00E-07	1.04E-07	7.13E-03	6.67E-06	2.63E+00	0.00E+00	2.48E+01	2.63E-06	2.48E+01	2.70E+01	2.63E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HHT101DR	2.46E-02	2.79E+00	2.39E-01	2.56E+00	0.00E+00	0.00E+00	1.83E+01	3.37E-05	1.42E-02	2.50E-02	0.00E+00	-1.34E-02	3.33E-09	1.62E-07	1.07E-01	5.56E+00	3.21E-05	0.00E+00	1.48E+01	2.40E-01	2.47E+01	0.00E+00	1.99E-07	1.03E-07	7.03E-03	6.67E-06	2.61E+00	0.00E+00	2.47E+01	2.63E-06	2.47E+01	2.68E+01	2.61E+00	0.00E+00	0.00E+00	0.00E+00	5.25E+02
HHT102DR	2.46E-02	2.92E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.01E+01	3.34E-05	1.40E-02	2.62E-02	0.00E+00	-2.15E-02	3.49E-09	1.71E-07	1.16E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.40E-01	2.40E+01	0.00E+00	1.96E-07	1.07E-07	6.96E-03	7.84E-06	2.73E+00	0.00E+00	2.40E+01	2.52E-06	2.40E+01	2.60E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.36E+02
HHT125BR	2.54E-02	2.96E+00	2.77E-01	2.55E+00	0.00E+00	0.00E+00	1.74E+01	3.33E-05	1.43E-02	2.40E-02	0.00E+00	-2.14E-02	3.14E-09	1.76E-07	1.16E-01	5.98E+00	3.25E-05	0.00E+00	1.41E+01	3.30E-01	2.31E+01	0.00E+00	1.94E-07	1.05E-07	7.14E-03	7.70E-06	2.65E+00	0.00E+00	2.31E+01	2.55E-06	2.31E+01	2.52E+01	2.65E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HHT125DR	2.15E-02	2.34E+00	2.42E-01	2.12E+00	0.00E+00	0.00E+00	1.51E+01	2.78E-05	1.25E-02	2.05E-02	0.00E+00	-1.42E-02	2.73E-09	1.41E-07	1.03E-01	5.00E+00	3.19E-05	0.00E+00	1.23E+01	2.40E-01	2.06E+01	0.00E+00	1.63E-07	8.41E-08	5.82E-03	6.51E-06	2.19E+00	0.00E+00	2.06E+01	2.35E-06	2.06E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.46E+02
HHT126BR	2.49E-02	2.86E+00	2.39E-01	2.59E+00	0.00E+00	0.00E+00	1.85E+01	3.42E-05	1.45E-02	2.53E-02	0.00E+00	-1.37E-02	3.39E-09	1.65E-07	1.07E-01	5.65E+00	3.21E-05	0.00E+00	1.49E+01	2.50E-01	2.48E+01	0.00E+00	2.00E-07	1.04E-07	7.13E-03	6.67E-06	2.63E+00	0.00E+00	2.48E+01	2.63E-06	2.48E+01	2.70E+01	2.63E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HHT126DR	2.46E-02	2.78E+00	2.39E-01	2.54E+00	0.00E+00	0.00E+00	1.82E+01	3.32E-05	1.42E-02	2.47E-02	0.00E+00	-1.39E-02	3.26E-09	1.61E-07	1.06E-01	5.56E+00	3.19E-05	0.00E+00	1.46E+01	2.41E-01	2.46E+01	0.00E+00	1.97E-07	1.01E-07	6.95E-03	6.59E-06	2.59E+00	0.00E+00	2.46E+01	2.46E-06	2.46E+01	2.65E+01	2.59E+00	0.00E+00	0.00E+00	0.00E+00	5.22E+02
HHT127DR	2.46E-02	2.92E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.01E+01	3.34E-05	1.40E-02	2.62E-02	0.00E+00	-2.15E-02	3.49E-09	1.71E-07	1.16E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.40E-01	2.40E+01	0.00E+00	1.96E-07	1.07E-07	6.96E-03	7.84E-06	2.73E+00	0.00E+00	2.40E+01	2.52E-06	2.40E+01	2.60E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.36E+02
HHT160BR	2.54E-02	2.96E+00	2.77E-01	2.55E+00	0.00E+00	0.00E+00	1.74E+01	3.33E-05	1.43E-02	2.41E-02	0.00E+00	-2.14E-02	3.14E-09	1.76E-07	1.16E-01	5.99E+00	3.25E-05	0.00E+00	1.41E+01	3.30E-01	2.32E+01	0.00E+00	1.94E-07	1.05E-07	7.15E-03	7.71E-06	2.65E+00	0.00E+00	2.32E+01	2.55E-06	2.32E+01	2.52E+01	2.65E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHT160DR	2.30E-02	2.57E+00	2.40E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.04E-05	1.34E-02	2.20E-02	0.00E+00	-1.36E-02	2.99E-09	1.54E-07	1.04E-01	5.32E+00	3.21E-05	0.00E+00	1.32E+01	2.49E-01	2.18E+01	0.00E+00	1.80E-07	9.28E-08	6.38E-03	6.66E-06	2.37E+00	0.00E+00	2.18E+01	2.55E-06	2.18E+01	2.37E+01	2.37E+00	0.00E+00	0.00E+00	0.00E+00	4.81E+02
HHT161BR	2.49E-02	2.86E+00	2.39E-01	2.59E+00	0.00E+00	0.00E+00	1.85E+01	3.42E-05	1.45E-02	2.53E-02	0.00E+00	-1.37E-02	3.39E-09	1.65E-07	1.07E-01	5.65E+00	3.21E-05	0.00E+00	1.49E+01	2.50E-01	2.48E+01	0.00E+00	2.00E-07	1.04E-07	7.13E-03	6.67E-06	2.63E+00	0.00E+00	2.48E+01	2.63E-06	2.48E+01	2.70E+01	2.63E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HHT161DR	2.34E-02	2.61E+00	2.42E-01	2.40E+00	0.00E+00	0.00E+00	1.78E+01	3.16E-05	1.37E-02	2.37E-02	0.00E+00	-1.43E-02	3.08E-09	1.53E-07	1.06E-01	5.35E+00	3.19E-05	0.00E+00	1.40E+01	2.40E-01	2.35E+01	0.00E+00	1.83E-07	9.46E-08	6.55E-03	6.51E-06	2.45E+00	0.00E+00	2.35E+01	2.45E-06	2.35E+01	2.53E+01	2.45E+00	0.00E+00	0.00E+00	0.00E+00	5.00E+02
HHT162DR	2.46E-02	2.92E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.01E+01	3.34E-05	1.40E-02	2.62E-02	0.00E+00	-2.15E-02	3.49E-09	1.71E-07	1.16E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.40E-01	2.40E+01	0.00E+00	1.96E-07	1.07E-07	6.96E-03	7.84E-06	2.73E+00	0.00E+00	2.40E+01	2.52E-06	2.40E+01	2.60E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.36E+02
HHT200BR	2.53E-02	2.96E+00	2.68E-01	2.55E+00	0.00E+00	0.00E+00	1.74E+01	3.33E-05	1.43E-02	2.41E-02	0.00E+00	-2.23E-02	3.14E-09	1.77E-07	1.16E-01	6.00E+00	3.16E-05	0.00E+00	1.41E+01	3.30E-01	2.32E+01	0.00E+00	1.93E-07	1.06E-07	7.16E-03	7.71E-06	2.66E+00	0.00E+00	2.32E+01	2.52E-06	2.32E+01	2.53E+01	2.66E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HHT200DR	2.31E-02	2.57E+00	2.30E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.04E-05	1.34E-02	2.20E-02	0.00E+00	-1.45E-02	2.99E-09	1.54E-07	1.03E-01	5.34E+00	3.16E-05	0.00E+00	1.32E+01	2.52E-01	2.18E+01	0.00E+00	1.80E-07	9.29E-08	6.39E-03	6.68E-06	2.37E+00	0.00E+00	2.18E+01	2.51E-06	2.18E+01	2.38E+01	2.37E+00	0.00E+00	0.00E+00	0.00E+00	4.81E+02
HHT201BR	2.48E-02	2.85E+00	2.30E-01	2.58E+00	0.00E+00	0.00E+00	1.85E+01	3.41E-05	1.46E-02	2.53E-02	0.00E+00	-1.46E-02	3.39E-09	1.65E-07	1.06E-01	5.67E+00	3.12E-05	0.00E+00	1.49E+01	2.52E-01	2.47E+01	0.00E+00	1.99E-07	1.04E-07	7.14E-03	6.69E-06	2.64E+00	0.00E+00	2.47E+01	2.60E-06	2.47E+01	2.70E+01	2.64E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HHT201DR	2.52E-02	2.83E+00	2.25E-01	2.61E+00	0.00E+00	0.00E+00	1.81E+01	3.52E-05	1.47E-02	2.50E-02	0.00E+00	-1.71E-02	3.27E-09	1.64E-07	1.10E-01	5.70E+00	3.35E-05	0.00E+00	1.49E+01	2.27E-01	2.58E+01	0.00E+00	2.05E-07	1.08E-07	7.39E-03	5.73E-06	2.64E+00	0.00E+00	2.58E+01	3.42E-06	2.58E+01	2.84E+01	2.64E+00	0.00E+00	0.00E+00	0.00E+00	5.42E+02
HHT202DR	2.47E-02	2.92E+00	2.68E-01	2.56E+00	0.00E+00	0.00E+00	2.01E+01	3.34E-05	1.40E-02	2.62E-02	0.00E+00	-2.24E-02	3.49E-09	1.71E-07	1.16E-01	5.58E+00	3.20E-05	0.00E+00	1.45E+01	3.41E-01	2.40E+01	0.00E+00	1.96E-07	1.07E-07	6.96E-03	7.85E-06	2.73E+00	0.00E+00	2.40E+01	2.51E-06	2.40E+01	2.61E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.36E+02
HHT250BR	2.54E-02	2.97E+00	2.66E-01	2.56E+00	0.00E+00	0.00E+00	1.74E+01	3.34E-05	1.43E-02	2.41E-02	0.00E+00	-2.13E-02	3.15E-09	1.76E-07	1.17E-01	6.00E+00	3.25E-05	0.00E+00	1.42E+01	3.27E-01	2.32E+01	0.00E+00	1.95E-07	1.06E-07	7.17E-03	7.63E-06	2.66E+00	0.00E+00	2.32E+01	2.57E-06	2.32E+01	2.54E+01	2.66E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02
HHT250DR	2.31E-02	2.58E+00	2.28E-01	2.31E+00	0.00E+00	0.00E+00	1.56E+01	3.05E-05	1.34E-02	2.20E-02	0.00E+00	-1.34E-02	3.00E-09	1.54E-07	1.04E-01	5.32E+00	3.21E-05	0.00E+00	1.32E+01	2.46E-01	2.19E+01	0.00E+00	1.81E-07	9.31E-08	6.41E-03	6.59E-06	2.37E+00	0.00E+00	2.19E+01	2.57E-06	2.19E+01	2.39E+01	2.37E+00	0.00E+00	0.00E+00	0.00E+00	4.82E+02
HHT251BR	2.49E-02	2.87E+00	2.28E-01	2.60E+00	0.00E+00	0.00E+00	1.85E+01	3.43E-05	1.45E-02	2.54E-02	0.00E+00	-1.35E-02	3.40E-09	1.65E-07	1.07E-01	5.63E+00	3.22E-05	0.00E+00	1.50E+01	2.47E-01	2.49E+01	0.00E+00	2.02E-07	1.05E-07	7.17E-03	6.60E-06	2.65E+00	0.00E+00	2.49E+01	2.65E-06	2.49E+01	2.71E+01	2.65E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02
HHT251DR	2.49E-02	2.83E+00	2.24E-01	2.61E+00	0.00E+00	0.00E+00	1.80E+01	3.44E-05	1.46E-02	2.48E-02	0.00E+00	-1.71E-02	3.26E-09	1.63E-07	1.07E-01	5.62E+00	3.27E-05	0.00E+00	1.47E+01	2.27E-01	2.49E+01	0.00E+00	1.98E-07	1.04E-07	7.26E-03	5.73E-06	2.60E+00	0.00E+00	2.49E+01	2.85E-06	2.49E+01	2.75E+01	2.60E+00	0.00E+00	0.00E+00	0.00E+00	5.33E+02
HHT252DR	2.47E-02	2.92E+00	2.66E-01	2.57E+00	0.00E+00	0.00E+00	2.01E+01	3.35E-05	1.40E-02	2.63E-02	0.00E+00	-2.13E-02	3.50E-09	1.71E-07	1.16E-01	5.57E+00	3.25E-05	0.00E+00	1.45E+01	3.37E-01	2.41E+01	0.00E+00	1.97E-07	1.07E-07	6.99E-03	7.77E-06	2.74E+00	0.00E+00	2.41E+01	2.53E-06	2.41E+01	2.62E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HHW250DR	6.32E-02	7.14E+00	9.79E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.82E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.58E+01	1.25E+00	5.58E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.14E-05	6.22E+00	0.00E+00	5.58E+01	-2.82E-06	5.58E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HHW251DR	8.06E-02	8.46E+00	1.25E+00	7.21E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.91E-02	6.99E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.66E+01	1.60E+00	7.45E+01	0.00E+00	5.88E-07	3.12E-07	2.11E-02	3.96E-05	8.04E+00	0.00E+00	7.45E+01	-2.17E-06	7.45E+01	8.17E+01	8.04E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HHW320DR	6.32E-02	7.14E+00	9.79E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.82E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.58E+01	1.25E+00	5.58E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.14E-05	6.22E+00	0.00E+00	5.58E+01	-2.82E-06	5.58E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HHW321DR	8.05E-02	8.48E+00	1.25E+00	7.22E+00	0.00E+00	0.00E+00	5.72E+01	1.09E-04	4.91E-02	6.99E-02	0.00E+00	-1.19E-01	1.03E-08	5.54E-07	3.29E-01	1.76E+01	7.68E-05	0.00E+00	4.66E+01	1.60E+00	7.42E+01	0.00E+00	5.87E-07	3.10E-07	2.11E-02	3.96E-05	8.03E+00	0.00E+00	7.42E+01	-2.22E-06	7.42E+01	8.13E+01	8.03E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HHW400DR	6.32E-02	7.13E+00	9.78E-01	6.13E+00	0.00E+00	0.00E+00	4.44E+01	8.20E-05	3.82E-02	5.79E-02	0.00E+00	-9.81E-02	8.17E-09	4.31E-07	2.54E-01	1.35E+01	7.50E-05	0.00E+00	3.56E+01	1.24E+00	5.56E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.11E-05	6.21E+00	0.00E+00	5.56E+01	-2.83E-06	5.56E+01	6.22E+01	6.21E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HHW401DR	8.06E-02	8.42E+00	1.25E+00	7.19E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.90E-02	6.96E-02	0.00E+00	-1.18E-01	1.03E-08	5.55E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.66E+01	1.60E+00	7.46E+01	0.00E+00	5.89E-07	3.13E-07	2.11E-02	3.98E-05	8.06E+00	0.00E+00	7.46E+01	-1.98E-06	7.46E+01	8.18E+01	8.06E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HMJ250DR	6.31E-02	7.11E+00	9.69E-01	6.11E+00	0.00E+00	0.00E+00	4.44E+01	8.17E-05	3.82E-02	5.78E-02	0.00E+00	-9.79E-02	8.20E-09	4.30E-07	2.55E-01	1.35E+01	7.51E-05	0.00E+00	3.57E+01	1.22E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.08E-05	6.20E+00	0.00E+00	5.57E+01	-1.89E-06	5.57E+01	6.24E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HMJ251DR	8.05E-02	8.44E+00	1.24E+00	7.20E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.89E-02	6.96E-02	0.00E+00	-1.18E-01	1.03E-08	5.53E-07	3.28E-01	1.76E+01	7.68E-05	0.00E+00	4.67E+01	1.58E+00	7.46E+01	0.00E+00	5.86E-07	3.13E-07	2.10E-02	3.89E-05	8.08E+00	0.00E+00	7.46E+01	-5.44E-07	7.46E+01	8.26E+01	8.08E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HMJ320BR	6.22E-02	7.03E+00	9.67E-01	6.07E+00	0.00E+00	0.00E+00	4.35E+01	8.06E-05	3.76E-02	5.62E-02	0.00E+00	-9.67E-02	8.07E-09	4.25E-07	2.51E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.23E+00	5.50E+01	0.00E+00	4.40E-07	2.33E-07	1.67E-02	3.07E-05	6.19E+00	0.00E+00	5.50E+01	-2.86E-06	5.50E+01	6.07E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HMJ320DR	6.31E-02	7.11E+00	9.69E-01	6.11E+00	0.00E+00	0.00E+00	4.44E+01	8.17E-05	3.82E-02	5.78E-02	0.00E+00	-9.79E-02	8.20E-09	4.30E-07	2.55E-01	1.35E+01	7.51E-05	0.00E+00	3.57E+01	1.22E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.08E-05	6.20E+00	0.00E+00	5.57E+01	-1.89E-06	5.57E+01	6.24E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HMJ321DR	8.05E-02	8.42E+00	1.24E+00	7.18E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.90E-02	6.95E-02	0.00E+00	-1.18E-01	1.03E-08	5.53E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.68E+01	1.58E+00	7.49E+01	0.00E+00	5.90E-07	3.12E-07	2.10E-02	3.89E-05	8.07E+00	0.00E+00	7.49E+01	-5.95E-07	7.49E+01	8.25E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HMJ400DR	6.10E-02	6.94E+00	9.25E-01	6.02E+00	0.00E+00	0.00E+00	4.31E+01	7.95E-05	3.73E-02	5.64E-02	0.00E+00	-8.92E-02	7.85E-09	4.18E-07	2.42E-01	1.32E+01	7.48E-05	0.00E+00	3.46E+01	1.18E+00	5.44E+01	0.00E+00	4.33E-07	2.31E-07	1.66E-02	2.91E-05	6.03E+00	0.00E+00	5.44E+01	-1.79E-06	5.44E+01	6.04E+01	6.03E+00	0.00E+00	0.00E+00	0.00E+00	1.26E+03
HMJ401DR	8.06E-02	8.37E+00	1.25E+00	7.14E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.88E-02	6.92E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.68E+01	1.58E+00	7.53E+01	0.00E+00	5.91E-07	3.15E-07	2.10E-02	3.91E-05	8.11E+00	0.00E+00	7.53E+01	-1.94E-07	7.53E+01	8.30E+01	8.11E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HMJ500BR	6.24E-02	7.06E+00	9.92E-01	6.09E+00	0.00E+00	0.00E+00	4.37E+01	8.10E-05	3.75E-02	5.62E-02	0.00E+00	-9.74E-02	8.04E-09	4.28E-07	2.50E-01	1.34E+01	7.39E-05	0.00E+00	3.49E+01	1.27E+00	5.51E+01	0.00E+00	4.41E-07	2.34E-07	1.68E-02	3.12E-05	6.19E+00	0.00E+00	5.51E+01	-2.65E-06	5.51E+01	6.10E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HMJ630DE	6.18E-02	7.13E+00	1.01E+00	6.12E+00	0.00E+00	0.00E+00	4.35E+01	8.02E-05	3.78E-02	5.73E-02	0.00E+00	-9.94E-02	7.92E-09	4.23E-07	2.45E-01	1.34E+01	7.48E-05	0.00E+00	3.49E+01	1.31E+00	5.49E+01	0.00E+00	4.37E-07	2.34E-07	1.68E-02	3.23E-05	6.08E+00	0.00E+00	5.49E+01	-2.91E-06	5.49E+01	6.10E+01	6.08E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HMS025BC	1.32E-02	1.58E+00	1.87E-01	1.43E+00	0.00E+00	0.00E+00	1.07E+01	1.92E-05	7.52E-03	1.30E-02	0.00E+00	2.14E-02	1.91E-09	8.25E-08	7.14E-02	3.18E+00	2.72E-05	0.00E+00	7.85E+00	7.06E-02	1.46E+01	0.00E+00	1.11E-07	5.98E-08	4.05E-03	4.28E-06	1.49E+00	0.00E+00	1.46E+01	2.06E-06	1.46E+01	1.55E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HMS025BR	1.50E-02	1.63E+00	2.44E-01	1.54E+00	0.00E+00	0.00E+00	1.09E+01	2.15E-05	9.18E-03	1.41E-02	0.00E+00	1.40E-02	1.88E-09	9.57E-08	6.73E-02	3.61E+00	3.00E-05	0.00E+00	8.50E+00	2.84E-01	1.46E+01	0.00E+00	1.18E-07	6.17E-08	4.29E-03	7.18E-06	1.59E+00	0.00E+00	1.46E+01	-5.85E-07	1.46E+01	1.60E+01	1.59E+00	0.00E+00	0.00E+00	0.00E+00	3.36E+02
HMS025DC	1.32E-02	1.58E+00	1.87E-01	1.43E+00	0.00E+00	0.00E+00	1.07E+01	1.92E-05	7.52E-03	1.30E-02	0.00E+00	2.14E-02	1.91E-09	8.25E-08	7.14E-02	3.18E+00	2.72E-05	0.00E+00	7.85E+00	7.06E-02	1.46E+01	0.00E+00	1.11E-07	5.98E-08	4.05E-03	4.29E-06	1.49E+00	0.00E+00	1.46E+01	2.15E-06	1.46E+01	1.55E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HMS025DR	1.51E-02	1.64E+00	2.45E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.72E-08	6.75E-02	3.64E+00	3.00E-05	0.00E+00	8.64E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.35E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	1.22E-08	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HMS026BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.86E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.07E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS026BR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.54E-06	2.24E+00	0.00E+00	1.99E+01	-5.86E-07	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HMS026DC	1.52E-02	1.77E+00	1.84E-01	1.60E+00	0.00E+00	0.00E+00	1.23E+01	2.09E-05	8.48E-03	1.56E-02	0.00E+00	2.14E-02	2.22E-09	1.01E-07	8.72E-02	3.56E+00	3.02E-05	0.00E+00	9.29E+00	8.08E-02	1.58E+01	0.00E+00	1.20E-07	6.53E-08	4.45E-03	4.28E-06	1.75E+00	0.00E+00	1.58E+01	2.14E-06	1.58E+01	1.74E+01	1.75E+00	0.00E+00	0.00E+00	0.00E+00	3.33E+02
HMS026DR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.52E-06	2.24E+00	0.00E+00	1.99E+01	-5.97E-08	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HMS040BC	1.25E-02	1.50E+00	1.87E-01	1.34E+00	0.00E+00	0.00E+00	1.06E+01	1.82E-05	7.20E-03	1.26E-02	0.00E+00	2.14E-02	1.87E-09	7.80E-08	7.10E-02	3.06E+00	2.72E-05	0.00E+00	7.55E+00	6.94E-02	1.41E+01	0.00E+00	1.02E-07	5.58E-08	3.80E-03	4.30E-06	1.40E+00	0.00E+00	1.41E+01	2.06E-06	1.41E+01	1.48E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	2.93E+02
HMS040BR	1.51E-02	1.64E+00	2.44E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.64E-08	6.73E-02	3.64E+00	3.00E-05	0.00E+00	8.63E+00	2.84E-01	1.47E+01	0.00E+00	1.19E-07	6.21E-08	4.33E-03	7.18E-06	1.61E+00	0.00E+00	1.47E+01	-5.84E-07	1.47E+01	1.62E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.38E+02
HMS040DC	1.32E-02	1.58E+00	1.87E-01	1.43E+00	0.00E+00	0.00E+00	1.07E+01	1.92E-05	7.53E-03	1.30E-02	0.00E+00	2.14E-02	1.91E-09	8.25E-08	7.14E-02	3.18E+00	2.72E-05	0.00E+00	7.85E+00	6.78E-02	1.46E+01	0.00E+00	1.11E-07	5.98E-08	4.05E-03	4.28E-06	1.49E+00	0.00E+00	1.46E+01	2.15E-06	1.46E+01	1.55E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HMS040DR	1.51E-02	1.64E+00	2.45E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.23E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.72E-08	6.75E-02	3.64E+00	3.00E-05	0.00E+00	8.64E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.35E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	1.42E-08	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HMS041BC	1.48E-02	1.68E+00	1.84E-01	1.53E+00	0.00E+00	0.00E+00	1.22E+01	2.03E-05	8.25E-03	1.54E-02	0.00E+00	2.14E-02	2.19E-09	9.75E-08	8.68E-02	3.47E+00	3.02E-05	0.00E+00	9.10E+00	7.84E-02	1.54E+01	0.00E+00	1.13E-07	6.27E-08	4.27E-03	4.28E-06	1.69E+00	0.00E+00	1.54E+01	2.06E-06	1.54E+01	1.69E+01	1.69E+00	0.00E+00	0.00E+00	0.00E+00	3.22E+02
HMS041BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.13E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.87E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HMS041DC	1.54E-02	1.77E+00	1.84E-01	1.62E+00	0.00E+00	0.00E+00	1.25E+01	2.11E-05	8.58E-03	1.59E-02	0.00E+00	2.13E-02	2.25E-09	1.01E-07	8.72E-02	3.59E+00	3.02E-05	0.00E+00	9.36E+00	7.94E-02	1.60E+01	0.00E+00	1.22E-07	6.61E-08	4.51E-03	4.65E-06	1.77E+00	0.00E+00	1.60E+01	2.15E-06	1.60E+01	1.77E+01	1.77E+00	0.00E+00	0.00E+00	0.00E+00	3.36E+02
HMS041DR	2.12E-02	2.27E+00	2.47E-01	2.12E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.96E-02	0.00E+00	1.42E-02	2.66E-09	1.43E-07	8.30E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.97E+01	0.00E+00	1.61E-07	8.24E-08	5.99E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-4.24E-10	1.97E+01	2.21E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HMS050BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HMS050BR	1.51E-02	1.64E+00	2.44E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.21E-03	1.43E-02	0.00E+00	1.40E-02	1.89E-09	9.67E-08	6.75E-02	3.65E+00	3.00E-05	0.00E+00	8.65E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.36E-03	7.18E-06	1.61E+00	0.00E+00	1.48E+01	-5.86E-07	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HMS051BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.89E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.07E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS051BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.12E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.90E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HMS063BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	6.94E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.32E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HMS063BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.83E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02

HMS063DC	1.34E-02	1.63E+00	1.89E-01	1.46E+00	0.00E+00	0.00E+00	1.09E+01	1.94E-05	7.67E-03	1.33E-02	0.00E+00	2.17E-02	1.96E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.16E-02	1.49E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.29E-06	1.52E+00	0.00E+00	1.49E+01	2.16E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HMS063DR	1.51E-02	1.64E+00	2.45E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.75E-08	6.75E-02	3.65E+00	3.00E-05	0.00E+00	8.66E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.36E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	-3.28E-09	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HMS064BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	7.89E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.31E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS064BR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.00E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.54E-06	2.24E+00	0.00E+00	1.99E+01	-5.90E-07	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HMS064DC	1.58E-02	1.83E+00	1.87E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.69E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.96E-02	3.66E+00	3.03E-05	0.00E+00	9.53E+00	7.97E-02	1.63E+01	0.00E+00	1.27E-07	6.75E-08	4.68E-03	5.31E-06	1.83E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS064DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.97E-02	0.00E+00	1.44E-02	2.67E-09	1.44E-07	8.28E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.91E-01	1.97E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-3.88E-09	1.97E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HMS080BC	1.34E-02	1.63E+00	1.89E-01	1.46E+00	0.00E+00	0.00E+00	1.09E+01	1.94E-05	7.67E-03	1.32E-02	0.00E+00	2.16E-02	1.96E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.30E-02	1.49E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.34E-06	1.52E+00	0.00E+00	1.49E+01	2.07E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HMS080BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HMS080DC	1.34E-02	1.63E+00	1.89E-01	1.46E+00	0.00E+00	0.00E+00	1.09E+01	1.94E-05	7.67E-03	1.33E-02	0.00E+00	2.16E-02	1.96E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.30E-02	1.49E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.34E-06	1.52E+00	0.00E+00	1.49E+01	2.16E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HMS080DR	1.51E-02	1.64E+00	2.44E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.67E-08	6.75E-02	3.65E+00	3.00E-05	0.00E+00	8.66E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.36E-03	7.17E-06	1.62E+00	0.00E+00	1.48E+01	-3.28E-09	1.48E+01	1.63E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HMS081BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS081BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.12E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.91E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HMS081DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.14E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS081DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.97E-02	0.00E+00	1.44E-02	2.67E-09	1.44E-07	8.28E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.97E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-3.88E-09	1.97E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HMS100BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HMS100BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HMS100DC	1.36E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.72E-03	1.33E-02	0.00E+00	2.27E-02	2.02E-09	8.25E-08	7.14E-02	3.26E+00	2.74E-05	0.00E+00	8.08E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.20E-03	5.37E-06	1.53E+00	0.00E+00	1.49E+01	2.33E-06	1.49E+01	1.58E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	3.16E+02
HMS100DR	1.51E-02	1.64E+00	2.44E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.67E-08	6.75E-02	3.65E+00	3.00E-05	0.00E+00	8.66E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.36E-03	7.17E-06	1.62E+00	0.00E+00	1.48E+01	-3.28E-09	1.48E+01	1.63E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HMS101BC	1.58E-02	1.83E+00	1.86E-01	1.65E+00	0.00E+00	0.00E+00	1.26E+01	2.14E-05	8.69E-03	1.63E-02	0.00E+00	2.16E-02	2.29E-09	1.04E-07	8.74E-02	3.66E+00	3.02E-05	0.00E+00	9.52E+00	8.28E-02	1.63E+01	0.00E+00	1.26E-07	6.70E-08	4.65E-03	5.34E-06	1.82E+00	0.00E+00	1.63E+01	2.07E-06	1.63E+01	1.79E+01	1.82E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS101BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.12E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.91E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HMS101DC	1.58E-02	1.83E+00	1.87E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.69E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.99E-02	3.66E+00	3.03E-05	0.00E+00	9.53E+00	8.12E-02	1.63E+01	0.00E+00	1.27E-07	6.75E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS101DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.97E-02	0.00E+00	1.42E-02	2.67E-09	1.44E-07	8.28E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.97E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-1.50E-08	1.97E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HMS102DC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.96E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.11E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS125BC	1.34E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.69E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.22E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.37E-06	1.53E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HMS125BR	1.56E-02	1.70E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.55E-03	1.45E-02	0.00E+00	1.55E-02	1.99E-09	9.97E-08	6.74E-02	3.74E+00	3.02E-05	0.00E+00	8.86E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.41E-08	4.50E-03	7.25E-06	1.66E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.66E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HMS125DC	1.36E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.95E-05	7.76E-03	1.33E-02	0.00E+00	2.27E-02	2.02E-09	8.26E-08	7.15E-02	3.26E+00	2.74E-05	0.00E+00	8.09E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.21E-03	5.37E-06	1.53E+00	0.00E+00	1.49E+01	2.36E-06	1.49E+01	1.59E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	3.16E+02
HMS125DR	1.52E-02	1.64E+00	2.45E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.18E-05	9.27E-03	1.42E-02	0.00E+00	1.40E-02	1.90E-09	9.77E-08	6.75E-02	3.66E+00	3.00E-05	0.00E+00	8.67E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.36E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	-1.61E-09	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HMS126BC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.73E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.93E-02	3.67E+00	3.03E-05	0.00E+00	9.53E+00	7.80E-02	1.63E+01	0.00E+00	1.27E-07	6.73E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HMS126BR	1.94E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.13E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.54E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.45E-07	7.68E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.91E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HMS126DC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.99E-02	3.67E+00	3.03E-05	0.00E+00	9.54E+00	7.87E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.37E-06	1.83E+00	0.00E+00	1.64E+01	2.35E-06	1.64E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HMS126DR	2.13E-02	2.29E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.36E+01	2.85E-05	1.25E-02	1.98E-02	0.00E+00	1.42E-02	2.67E-09	1.44E-07	8.31E-02	5.07E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.98E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.98E+01	-1.24E-08	1.98E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.39E+02
HMS127DC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.73E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.96E-02	3.67E+00	3.03E-05	0.00E+00	9.53E+00	7.87E-02	1.63E+01	0.00E+00	1.27E-07	6.73E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.32E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HMS160BC	1.35E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.71E-03	1.33E-02	0.00E+00	2.27E-02	1.96E-09	8.18E-08	7.14E-02	3.24E+00	2.74E-05	0.00E+00	8.03E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.38E-06	1.53E+00	0.00E+00	1.49E+01	2.25E-06	1.49E+01	1.59E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HMS160BR	1.52E-02	1.64E+00	2.36E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.18E-05	9.28E-03	1.42E-02	0.00E+00	1.40E-02	1.90E-09	9.66E-08	6.75E-02	3.67E+00	3.00E-05	0.00E+00	8.68E+00	2.83E-01	1.48E+01	0.00E+00	1.20E-07	6.24E-08	4.37E-03	7.16E-06	1.62E+00	0.00E+00	1.48E+01	-5.81E-07	1.48E+01	1.64E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS160DC	1.22E-02	1.64E+00	2.04E-01	1.44E+00	0.00E+00	0.00E+00	1.18E+01	1.87E-05	6.67E-03	1.45E-02	0.00E+00	8.72E-02	2.18E-09	7.56E-08	9.20E-02	2.82E+00	3.27E-05	0.00E+00	8.31E+00	1.31E-02	1.46E+01	0.00E+00	1.05E-07	5.82E-08	4.06E-03	5.34E-06	1.53E+00	0.00E+00	1.46E+01	2.85E-06	1.46E+01	1.61E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HMS160DR	1.52E-02	1.64E+00	2.38E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.18E-05	9.29E-03	1.42E-02	0.00E+00	1.40E-02	1.90E-09	9.75E-08	6.76E-02	3.66E+00	3.00E-05	0.00E+00	8.68E+00	2.83E-01	1.48E+01	0.00E+00	1.20E-07	6.24E-08	4.37E-03	7.15E-06	1.62E+00	0.00E+00	1.48E+01	-5.81E-07	1.48E+01	1.64E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HMS161BC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.93E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.80E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HMS161BR	1.94E-02	2.05E+00	2.39E-01	1.96E+00	0.00E+00	0.00E+00	1.36E+01	2.67E-05	1.13E-02	1.92E-02	0.00E+00	1.44E-02	2.63E-09	1.32E-07	8.08E-02	4.55E+00	3.04E-05	0.00E+00	1.13E+01	3.01E-01	1.79E+01	0.00E+00	1.45E-07	7.71E-08	5.36E-03	7.53E-06	2.09E+00	0.00E+00	1.79E+01	-6.96E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HMS161DC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.96E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.87E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HMS161DR	2.13E-02	2.29E+00	2.39E-01	2.13E+00	0.00E+00	0.00E+00	1.36E+01	2.85E-05	1.25E-02	1.98E-02	0.00E+00	1.43E-02	2.68E-09	1.44E-07	8.31E-02	5.09E+00	3.03E-05	0.00E+00	1.20E+01	2.91E-01	1.98E+01	0.00E+00	1.62E-07	8.30E-08	6.01E-03	7.43E-06	2.20E+00	0.00E+00	1.98E+01	-5.60E-07	1.98E+01	2.22E+01	2.20E+00	0.00E+00	0.00E+00	0.00E+00	4.39E+02
HMS162DC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.96E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.87E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HMT050DR	2.54E-02	2.96E+00	2.77E-01	2.55E+00	0.00E+00	0.00E+00	1.74E+01	3.33E-05	1.43E-02	2.40E-02	0.00E+00	-2.14E-02	3.14E-09	1.76E-07	1.16E-01	5.98E+00	3.25E-05	0.00E+00	1.41E+01	3.30E-01	2.31E+01	0.00E+00	1.94E-07	1.05E-07	7.14E-03	7.70E-06	2.65E+00	0.00E+00	2.31E+01	2.55E-06	2.31E+01	2.52E+01	2.65E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HMT051DR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.82E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.79E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-7.10E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HMT063DR	2.54E-02	2.96E+00	2.77E-01	2.55E+00	0.00E+00	0.00E+00	1.74E+01	3.33E-05	1.43E-02	2.40E-02	0.00E+00	-2.14E-02	3.14E-09	1.76E-07	1.16E-01	5.98E+00	3.25E-05	0.00E+00	1.41E+01	3.30E-01	2.31E+01	0.00E+00	1.94E-07	1.05E-07	7.14E-03	7.70E-06	2.65E+00	0.00E+00	2.31E+01	2.55E-06	2.31E+01	2.52E+01	2.65E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HMT064DR	2.74E-02	3.23E+00	2.77E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.15E-02	3.67E-09	1.88E-07	1.19E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.39E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.88E-03	7.83E-06	2.91E+00	0.00E+00	2.63E+01	2.63E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HMT100BR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.46E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.89E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HMT100DR	2.23E-02	2.30E+00	2.96E-01	2.43E+00	0.00E+00	0.00E+00	1.55E+01	2.96E-05	1.33E-02	2.30E-02	0.00E+00	-1.48E-02	2.86E-09	1.47E-07	9.62E-02	5.54E+00	3.38E-05	0.00E+00	1.24E+01	3.59E-01	2.10E+01	0.00E+00	1.79E-07	8.12E-08	6.18E-03	8.97E-06	2.39E+00	0.00E+00	2.10E+01	-7.35E-07	2.10E+01	2.30E+01	2.39E+00	0.00E+00	0.00E+00	0.00E+00	4.73E+02
HMT101BR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.40E+01	-7.38E-07	2.40E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HMT101DR	2.74E-02	3.23E+00	2.77E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.15E-02	3.67E-09	1.88E-07	1.19E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.39E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.88E-03	7.83E-06	2.91E+00	0.00E+00	2.63E+01	2.63E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HMT102DR	2.47E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.16E-02	3.48E-09	1.72E-07	1.17E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.96E-07	1.07E-07	6.99E-03	7.93E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02
HMT125BR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.88E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HMT125DR	2.23E-02	2.29E+00	2.96E-01	2.43E+00	0.00E+00	0.00E+00	1.56E+01	2.96E-05	1.33E-02	2.30E-02	0.00E+00	-1.60E-02	2.86E-09	1.47E-07	9.61E-02	5.54E+00	3.36E-05	0.00E+00	1.24E+01	3.59E-01	2.10E+01	0.00E+00	1.79E-07	8.12E-08	6.17E-03	8.97E-06	2.38E+00	0.00E+00	2.10E+01	-7.44E-07	2.10E+01	2.30E+01	2.38E+00	0.00E+00	0.00E+00	0.00E+00	4.73E+02
HMT126BR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.79E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-7.10E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HMT126DR	2.74E-02	3.23E+00	2.77E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.15E-02	3.67E-09	1.88E-07	1.19E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.39E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.88E-03	7.83E-06	2.91E+00	0.00E+00	2.63E+01	2.63E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HMT127DR	2.47E-02	2.94E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.16E-02	3.48E-09	1.72E-07	1.17E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.96E-07	1.07E-07	6.99E-03	7.93E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02
HMT160BR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.36E-02	3.19E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.89E-08	7.13E-03	1.01E-05	2.73E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HMT160DR	2.54E-02	2.96E+00	2.77E-01	2.55E+00	0.00E+00	0.00E+00	1.74E+01	3.33E-05	1.43E-02	2.41E-02	0.00E+00	-2.14E-02	3.14E-09	1.76E-07	1.16E-01	5.99E+00	3.25E-05	0.00E+00	1.41E+01	3.30E-01	2.32E+01	0.00E+00	1.94E-07	1.05E-07	7.15E-03	7.71E-06	2.65E+00	0.00E+00	2.32E+01	2.55E-06	2.32E+01	2.52E+01	2.65E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HMT161BR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.52E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.41E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.41E+01	-7.38E-07	2.41E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HMT161DR	2.74E-02	3.23E+00	2.77E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.15E-02	3.67E-09	1.88E-07	1.19E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.39E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.88E-03	7.83E-06	2.91E+00	0.00E+00	2.63E+01	2.63E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HMT162DR	2.47E-02	2.94E+00	2.77E-01	2.57E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.16E-02	3.48E-09	1.72E-07	1.17E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.96E-07	1.07E-07	6.99E-03	7.93E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02
HMT200BR	2.52E-02	2.82E+00	3.26E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.44E-02	3.18E-09	1.75E-07	1.10E-01	6.42E+00	3.33E-05	0.00E+00	1.39E+01	4.48E-01	2.27E+01	0.00E+00	1.97E-07	9.90E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-2.37E-07	2.27E+01	2.55E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HMT200DR	2.24E-02	2.30E+00	2.88E-01	2.43E+00	0.00E+00	0.00E+00	1.56E+01	2.97E-05	1.34E-02	2.30E-02	0.00E+00	-1.67E-02	2.86E-09	1.48E-07	9.59E-02	5.55E+00	3.32E-05	0.00E+00	1.24E+01	3.60E-01	2.10E+01	0.00E+00	1.79E-07	8.13E-08	6.17E-03	8.96E-06	2.38E+00	0.00E+00	2.10E+01	-1.98E-07	2.10E+01	2.30E+01	2.38E+00	0.00E+00	0.00E+00	0.00E+00	4.73E+02
HMT201BR	2.60E-02	2.95E+00	3.27E-01	2.82E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.72E-02	0.00E+00	-2.54E-02	3.48E-09	1.83E-07	1.12E-01	6.52E+00	3.34E-05	0.00E+00	1.45E+01	4.77E-01	2.40E+01	0.00E+00	2.08E-07	1.06E-07	7.44E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-1.07E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HMT201DR	2.74E-02	3.22E+00	2.68E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.24E-02	3.67E-09	1.88E-07	1.19E-01	6.30E+00	3.21E-05	0.00E+00	1.58E+01	3.40E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.89E-03	7.84E-06	2.91E+00	0.00E+00	2.63E+01	2.59E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HMT202DR	2.47E-02	2.94E+00	2.68E-01	2.56E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.25E-02	3.48E-09	1.72E-07	1.16E-01	5.58E+00	3.20E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.96E-07	1.08E-07	6.99E-03	7.94E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.62E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+02
HMT250BR	2.54E-02	2.82E+00	3.24E-01	2.75E+00	0.00E+00	0.00E+00	1.77E+01	3.43E-05	1.47E-02	2.58E-02	0.00E+00	-2.35E-02	3.19E-09	1.75E-07	1.11E-01	6.42E+00	3.42E-05	0.00E+00	1.39E+01	4.47E-01	2.28E+01	0.00E+00	1.99E-07	9.93E-08	7.15E-03	1.00E-05	2.73E+00	0.00E+00	2.28E+01	-7.76E-07	2.28E+01	2.55E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.56E+02
HMT250DR	1.90E-02	2.21E+00	2.14E-01	1.99E+00	0.00E+00	0.00E+00	1.38E+01	2.66E-05	1.11E-02	1.90E-02	0.00E+00	-1.84E-02	2.50E-09	1.24E-07	8.26E-02	4.29E+00	3.35E-05	0.00E+00	1.13E+01	2.43E-01	1.93E+01	0.00E+00	1.53E-07	8.05E-08	5.58E-03	6.08E-06	1.98E+00	0.00E+00	1.93E+01	1.78E-06	1.93E+01	2.12E+01	1.98E+00	0.00E+00	0.00E+00	0.00E+00	4.09E+02
HMT251BR	2.62E-02	2.95E+00	3.24E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.57E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.49E-09	1.83E-07	1.12E-01	6.51E+00	3.43E-05	0.00E+00	1.45E+01	4.76E-01	2.41E+01	0.00E+00	2.10E-07	1.06E-07	7.47E-03	1.06E-05	2.83E+00	0.00E+00	2.41E+01	-7.11E-07	2.41E+01	2.70E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	5.81E+02
HMT251DR	2.74E-02	3.24E+00	2.66E-01	2.82E+00	0.00E+00	0.00E+00	2.05E+01	3.73E-05	1.56E-02	2.77E-02	0.00E+00	-2.13E-02	3.68E-09	1.88E-07	1.19E-01	6.27E+00	3.26E-05	0.00E+00	1.59E+01	3.36E-01	2.64E+01	0.00E+00	2.19E-07	1.19E-07	7.92E-03	7.75E-06	2.92E+00	0.00E+00	2.64E+01	2.65E-06	2.64E+01	2.89E+01	2.92E+00	0.00E+00	0.00E+00	0.00E+00	5.96E+02
HMT252DR	2.47E-02	2.94E+00	2.66E-01	2.57E+00	0.00E+00	0.00E+00	2.02E+01	3.35E-05	1.40E-02	2.64E-02	0.00E+00	-2.14E-02	3.50E-09	1.72E-07	1.17E-01	5.56E+00	3.25E-05	0.00E+00	1.45E+01	3.39E-01	2.42E+01	0.00E+00	1.97E-07	1.08E-07	7.02E-03	7.85E-06	2.75E+00	0.00E+00	2.42E+01	2.48E-06	2.42E+01	2.63E+01	2.75E+00	0.00E+00	0.00E+00	0.00E+00	5.40E+02
HMW250DR	6.31E-02	7.13E+00	9.76E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.79E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.24E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.13E-05	6.22E+00	0.00E+00	5.57E+01	-2.79E-06	5.57E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HMW251DR	8.04E-02	8.48E+00	1.24E+00	7.23E+00	0.00E+00	0.00E+00	5.71E+01	1.08E-04	4.90E-02	6.99E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.27E-01	1.76E+01	7.68E-05	0.00E+00	4.65E+01	1.59E+00	7.39E+01	0.00E+00	5.83E-07	3.11E-07	2.11E-02	3.94E-05	8.03E+00	0.00E+00	7.39E+01	-2.18E-06	7.39E+01	8.14E+01	8.03E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HMW320BR	6.22E-02	7.03E+00	9.67E-01	6.07E+00	0.00E+00	0.00E+00	4.35E+01	8.06E-05	3.76E-02	5.62E-02	0.00E+00	-9.67E-02	8.07E-09	4.25E-07	2.51E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.23E+00	5.50E+01	0.00E+00	4.40E-07	2.33E-07	1.67E-02	3.07E-05	6.19E+00	0.00E+00	5.50E+01	-2.85E-06	5.50E+01	6.07E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HMW320DR	6.31E-02	7.13E+00	9.76E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.79E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.24E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.13E-05	6.22E+00	0.00E+00	5.57E+01	-2.79E-06	5.57E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HMW321BR	7.74E-02	8.45E+00	1.19E+00	7.26E+00	0.00E+00	0.00E+00	5.49E+01	1.02E-04	4.75E-02	6.77E-02	0.00E+00	-1.15E-01	9.85E-09	5.37E-07	3.12E-01	1.68E+01	7.55E-05	0.00E+00	4.40E+01	1.54E+00	6.91E+01	0.00E+00	5.50E-07	2.90E-07	2.05E-02	3.78E-05	7.76E+00	0.00E+00	6.91E+01	-2.56E-06	6.91E+01	7.57E+01	7.76E+00	0.00E+00	0.00E+00	0.00E+00	1.59E+03
HMW321DR	8.05E-02	8.47E+00	1.24E+00	7.22E+00	0.00E+00	0.00E+00	5.72E+01	1.09E-04	4.90E-02	6.99E-02	0.00E+00	-1.19E-01	1.03E-08	5.53E-07	3.29E-01	1.76E+01	7.68E-05	0.00E+00	4.66E+01	1.59E+00	7.42E+01	0.00E+00	5.87E-07	3.10E-07	2.11E-02	3.94E-05	8.03E+00	0.00E+00	7.42E+01	-2.23E-06	7.42E+01	8.13E+01	8.03E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HMW400DR	6.31E-02	7.12E+00	9.75E-01	6.12E+00	0.00E+00	0.00E+00	4.44E+01	8.20E-05	3.82E-02	5.79E-02	0.00E+00	-9.79E-02	8.17E-09	4.31E-07	2.54E-01	1.35E+01	7.50E-05	0.00E+00	3.56E+01	1.24E+00	5.55E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.09E-05	6.21E+00	0.00E+00	5.55E+01	-2.81E-06	5.55E+01	6.22E+01	6.21E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HMW401DR	8.05E-02	8.42E+00	1.25E+00	7.18E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.89E-02	6.95E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.66E+01	1.59E+00	7.46E+01	0.00E+00	5.88E-07	3.13E-07	2.11E-02	3.96E-05	8.06E+00	0.00E+00	7.46E+01	-1.99E-06	7.46E+01	8.18E+01	8.06E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HMW500BR	6.24E-02	7.07E+00	9.92E-01	6.10E+00	0.00E+00	0.00E+00	4.37E+01	8.10E-05	3.75E-02	5.63E-02	0.00E+00	-9.74E-02	8.04E-09	4.27E-07	2.50E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.27E+00	5.50E+01	0.00E+00	4.41E-07	2.34E-07	1.69E-02	3.12E-05	6.20E+00	0.00E+00	5.50E+01	-2.98E-06	5.50E+01	6.09E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HMW501BR	7.76E-02	8.45E+00	1.23E+00	7.24E+00	0.00E+00	0.00E+00	5.50E+01	1.03E-04	4.74E-02	6.76E-02	0.00E+00	-1.15E-01	9.82E-09	5.41E-07	3.12E-01	1.69E+01	7.55E-05	0.00E+00	4.41E+01	1.60E+00	6.94E+01	0.00E+00	5.53E-07	2.91E-07	2.07E-02	3.91E-05	7.79E+00	0.00E+00	6.94E+01	-2.61E-06	6.94E+01	7.62E+01	7.79E+00	0.00E+00	0.00E+00	0.00E+00	1.60E+03
HNA016M	7.59E-03	9.59E-01	1.66E-01	8.12E-01	0.00E+00	0.00E+00	7.06E+00	1.18E-05	4.17E-03	7.70E-03	0.00E+00	-1.96E-02	1.41E-09	4.96E-08	4.48E-02	1.73E+00	2.69E-05	0.00E+00	5.00E+00	2.59E-01	8.28E+00	0.00E+00	6.23E-08	3.30E-08	2.30E-03	6.41E-06	8.65E-01	0.00E+00	8.28E+00	-1.55E-07	8.28E+00	8.90E+00	8.65E-01	0.00E+00	0.00E+00	0.00E+00	1.86E+02
HNA016Z	8.02E-03	1.03E+00	1.75E-01	8.36E-01	0.00E+00	0.00E+00	6.96E+00	1.29E-05	4.57E-03	7.91E-03	0.00E+00	-1.96E-02	1.52E-09	5.51E-08	3.87E-02	1.90E+00	2.67E-05	0.00E+00	5.55E+00	2.66E-01	8.25E+00	0.00E+00	6.47E-08	3.43E-08	2.34E-03	6.53E-06	9.41E-01	0.00E+00	8.25E+00	-6.13E-07	8.25E+00	9.24E+00	9.41E-01	0.00E+00	0.00E+00	0.00E+00	2.06E+02
HNA017M	1.05E-02	1.26E+00	2.22E-01	1.08E+00	0.00E+00	0.00E+00	8.61E+00	1.57E-05	5.84E-03	1.03E-02	0.00E+00	-2.46E-02	1.88E-09	6.89E-08	5.41E-02	2.39E+00	2.69E-05	0.00E+00	6.76E+00	3.31E-01	1.10E+01	0.00E+00	8.22E-08	4.28E-08	2.95E-03	8.13E-06	1.14E+00	0.00E+00	1.10E+01	-1.48E-07	1.10E+01	1.20E+01	1.14E+00	0.00E+00	0.00E+00	0.00E+00	2.48E+02
HNA017Z	1.11E-02	1.29E+00	2.16E-01	1.08E+00	0.00E+00	0.00E+00	8.90E+00	1.70E-05	6.35E-03	1.03E-02	0.00E+00	-2.26E-02	1.95E-09	7.59E-08	5.19E-02	2.55E+00	2.67E-05	0.00E+00	7.17E+00	3.04E-01	1.13E+01	0.00E+00	8.81E-08	4.58E-08	3.05E-03	7.45E-06	1.26E+00	0.00E+00	1.13E+01	-4.85E-07	1.13E+01	1.25E+01	1.26E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HNA020M	7.60E-03	9.47E-01	1.65E-01	8.01E-01	0.00E+00	0.00E+00	7.02E+00	1.17E-05	4.19E-03	7.57E-03	0.00E+00	-1.97E-02	1.40E-09	4.98E-08	4.44E-02	1.73E+00	2.69E-05	0.00E+00	4.98E+00	2.59E-01	8.16E+00	0.00E+00	6.13E-08	3.26E-08	2.28E-03	6.41E-06	8.59E-01	0.00E+00	8.16E+00	-1.62E-07	8.16E+00	8.77E+00	8.59E-01	0.00E+00	0.00E+00	0.00E+00	1.85E+02

HNA020Z	8.29E-03	1.07E+00	1.84E-01	8.62E-01	0.00E+00	0.00E+00	7.15E+00	1.34E-05	4.77E-03	8.17E-03	0.00E+00	-1.96E-02	1.54E-09	5.68E-08	3.91E-02	1.96E+00	2.67E-05	0.00E+00	5.76E+00	2.66E-01	8.55E+00	0.00E+00	6.66E-08	3.56E-08	2.41E-03	6.53E-06	9.77E-01	0.00E+00	8.55E+00	-6.13E-07	8.55E+00	9.55E+00	9.77E-01	0.00E+00	0.00E+00	0.00E+00	2.15E+02
HNA021M	1.05E-02	1.26E+00	2.22E-01	1.08E+00	0.00E+00	0.00E+00	8.61E+00	1.57E-05	5.81E-03	1.03E-02	0.00E+00	-2.46E-02	1.90E-09	6.87E-08	5.40E-02	2.38E+00	2.69E-05	0.00E+00	6.77E+00	3.31E-01	1.10E+01	0.00E+00	8.22E-08	4.26E-08	2.94E-03	8.13E-06	1.14E+00	0.00E+00	1.10E+01	-1.84E-07	1.10E+01	1.20E+01	1.14E+00	0.00E+00	0.00E+00	0.00E+00	2.48E+02
HNA021Z	1.13E-02	1.40E+00	2.32E-01	1.16E+00	0.00E+00	0.00E+00	9.13E+00	1.74E-05	6.51E-03	1.09E-02	0.00E+00	-2.31E-02	2.00E-09	7.77E-08	5.20E-02	2.61E+00	2.67E-05	0.00E+00	7.46E+00	3.23E-01	1.15E+01	0.00E+00	8.99E-08	4.71E-08	3.17E-03	7.96E-06	1.29E+00	0.00E+00	1.15E+01	-5.38E-07	1.15E+01	1.28E+01	1.29E+00	0.00E+00	0.00E+00	0.00E+00	2.85E+02
HNA025H	8.57E-03	1.14E+00	1.96E-01	9.51E-01	0.00E+00	0.00E+00	7.39E+00	1.44E-05	4.92E-03	8.98E-03	0.00E+00	-1.95E-02	1.58E-09	5.89E-08	4.14E-02	2.07E+00	2.67E-05	0.00E+00	6.19E+00	2.66E-01	9.42E+00	0.00E+00	7.36E-08	3.83E-08	2.60E-03	6.54E-06	1.03E+00	0.00E+00	9.42E+00	-4.74E-07	9.42E+00	1.04E+01	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.27E+02
HNA025M	8.22E-03	1.03E+00	1.72E-01	8.75E-01	0.00E+00	0.00E+00	7.26E+00	1.27E-05	4.54E-03	8.16E-03	0.00E+00	-1.95E-02	1.45E-09	5.47E-08	4.58E-02	1.90E+00	2.69E-05	0.00E+00	5.48E+00	2.59E-01	8.69E+00	0.00E+00	6.77E-08	3.46E-08	2.42E-03	6.41E-06	9.39E-01	0.00E+00	8.69E+00	-1.53E-07	8.69E+00	9.44E+00	9.39E-01	0.00E+00	0.00E+00	0.00E+00	2.03E+02
HNA025U	8.47E-03	1.09E+00	1.95E-01	8.94E-01	0.00E+00	0.00E+00	7.21E+00	1.38E-05	4.91E-03	8.44E-03	0.00E+00	-1.97E-02	1.57E-09	5.85E-08	3.94E-02	2.01E+00	2.67E-05	0.00E+00	6.03E+00	2.66E-01	8.75E+00	0.00E+00	6.82E-08	3.64E-08	2.47E-03	6.54E-06	9.96E-01	0.00E+00	8.75E+00	-5.94E-07	8.75E+00	9.75E+00	9.96E-01	0.00E+00	0.00E+00	0.00E+00	2.23E+02
HNA025Z	8.43E-03	1.09E+00	1.95E-01	8.91E-01	0.00E+00	0.00E+00	7.21E+00	1.38E-05	4.88E-03	8.41E-03	0.00E+00	-1.96E-02	1.56E-09	5.82E-08	3.92E-02	2.00E+00	2.67E-05	0.00E+00	5.96E+00	2.66E-01	8.71E+00	0.00E+00	6.79E-08	3.64E-08	2.49E-03	6.53E-06	9.92E-01	0.00E+00	8.71E+00	-6.36E-07	8.71E+00	9.71E+00	9.92E-01	0.00E+00	0.00E+00	0.00E+00	2.19E+02
HNA026H	1.16E-02	1.38E+00	2.52E-01	1.16E+00	0.00E+00	0.00E+00	9.20E+00	1.78E-05	6.78E-03	1.13E-02	0.00E+00	-2.50E-02	2.00E-09	7.79E-08	5.14E-02	2.70E+00	2.67E-05	0.00E+00	7.85E+00	3.40E-01	1.20E+01	0.00E+00	9.02E-08	4.81E-08	3.28E-03	8.31E-06	1.27E+00	0.00E+00	1.20E+01	-4.85E-07	1.20E+01	1.33E+01	1.27E+00	0.00E+00	0.00E+00	0.00E+00	2.84E+02
HNA026M	1.05E-02	1.26E+00	2.22E-01	1.08E+00	0.00E+00	0.00E+00	8.61E+00	1.57E-05	5.82E-03	1.03E-02	0.00E+00	-2.46E-02	1.88E-09	6.87E-08	5.40E-02	2.38E+00	2.69E-05	0.00E+00	6.75E+00	3.31E-01	1.10E+01	0.00E+00	8.22E-08	4.27E-08	2.94E-03	8.13E-06	1.14E+00	0.00E+00	1.10E+01	-1.49E-07	1.10E+01	1.20E+01	1.14E+00	0.00E+00	0.00E+00	0.00E+00	2.47E+02
HNA026U	1.29E-02	1.65E+00	2.71E-01	1.38E+00	0.00E+00	0.00E+00	1.11E+01	1.92E-05	7.28E-03	1.51E-02	0.00E+00	-2.14E-02	2.04E-09	8.13E-08	6.18E-02	3.11E+00	2.89E-05	0.00E+00	8.00E+00	3.63E-01	1.33E+01	0.00E+00	1.03E-07	6.08E-08	3.90E-03	9.05E-06	1.43E+00	0.00E+00	1.33E+01	-7.33E-07	1.33E+01	1.52E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HNA026Z	1.29E-02	1.66E+00	2.71E-01	1.37E+00	0.00E+00	0.00E+00	1.12E+01	1.96E-05	7.39E-03	1.50E-02	0.00E+00	-1.96E-02	2.04E-09	8.26E-08	6.18E-02	3.18E+00	2.87E-05	0.00E+00	8.09E+00	3.62E-01	1.33E+01	0.00E+00	1.03E-07	6.05E-08	3.99E-03	9.02E-06	1.42E+00	0.00E+00	1.33E+01	-7.34E-07	1.33E+01	1.55E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HNA032M	7.59E-03	9.46E-01	1.65E-01	8.02E-01	0.00E+00	0.00E+00	7.02E+00	1.17E-05	4.18E-03	7.56E-03	0.00E+00	-1.97E-02	1.40E-09	4.98E-08	4.42E-02	1.72E+00	2.69E-05	0.00E+00	4.99E+00	2.59E-01	8.13E+00	0.00E+00	6.11E-08	3.25E-08	2.27E-03	6.41E-06	8.59E-01	0.00E+00	8.13E+00	-1.63E-07	8.13E+00	8.72E+00	8.59E-01	0.00E+00	0.00E+00	0.00E+00	1.86E+02
HNA032Z	1.04E-02	1.37E+00	2.09E-01	1.08E+00	0.00E+00	0.00E+00	9.38E+00	1.58E-05	5.95E-03	1.24E-02	0.00E+00	-1.62E-02	1.65E-09	6.49E-08	4.89E-02	2.60E+00	2.86E-05	0.00E+00	6.51E+00	2.95E-01	1.05E+01	0.00E+00	8.09E-08	4.92E-08	3.18E-03	7.46E-06	1.11E+00	0.00E+00	1.05E+01	-6.84E-07	1.05E+01	1.24E+01	1.11E+00	0.00E+00	0.00E+00	0.00E+00	2.67E+02
HNA033M	1.05E-02	1.26E+00	2.22E-01	1.08E+00	0.00E+00	0.00E+00	8.61E+00	1.58E-05	5.82E-03	1.03E-02	0.00E+00	-2.46E-02	1.88E-09	6.88E-08	5.40E-02	2.39E+00	2.69E-05	0.00E+00	6.77E+00	3.31E-01	1.10E+01	0.00E+00	8.22E-08	4.27E-08	2.95E-03	8.13E-06	1.14E+00	0.00E+00	1.10E+01	-1.49E-07	1.10E+01	1.20E+01	1.14E+00	0.00E+00	0.00E+00	0.00E+00	2.48E+02
HNA033Z	1.20E-02	1.50E+00	2.54E-01	1.23E+00	0.00E+00	0.00E+00	1.06E+01	1.81E-05	6.82E-03	1.40E-02	0.00E+00	-1.89E-02	1.93E-09	7.59E-08	5.87E-02	2.98E+00	2.87E-05	0.00E+00	7.50E+00	3.38E-01	1.27E+01	0.00E+00	9.46E-08	5.55E-08	3.69E-03	8.42E-06	1.30E+00	0.00E+00	1.27E+01	-6.31E-07	1.27E+01	1.48E+01	1.30E+00	0.00E+00	0.00E+00	0.00E+00	3.01E+02
HNA040H	7.96E-03	1.10E+00	1.91E-01	9.23E-01	0.00E+00	0.00E+00	6.95E+00	1.34E-05	4.47E-03	8.71E-03	0.00E+00	-1.99E-02	1.52E-09	5.40E-08	4.06E-02	1.93E+00	2.67E-05	0.00E+00	5.84E+00	2.66E-01	9.17E+00	0.00E+00	7.16E-08	3.67E-08	2.52E-03	6.53E-06	9.60E-01	0.00E+00	9.17E+00	-4.67E-07	9.17E+00	1.01E+01	9.60E-01	0.00E+00	0.00E+00	0.00E+00	2.16E+02
HNA040M	8.42E-03	1.05E+00	1.77E-01	8.99E-01	0.00E+00	0.00E+00	7.35E+00	1.30E-05	4.66E-03	8.34E-03	0.00E+00	-1.96E-02	1.46E-09	5.59E-08	4.61E-02	1.95E+00	2.69E-05	0.00E+00	5.61E+00	2.59E-01	8.92E+00	0.00E+00	6.91E-08	3.58E-08	2.48E-03	6.41E-06	9.62E-01	0.00E+00	8.92E+00	-1.54E-07	8.92E+00	9.69E+00	9.62E-01	0.00E+00	0.00E+00	0.00E+00	2.08E+02
HNA040U	1.06E-02	1.37E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.36E+00	1.59E-05	6.00E-03	1.26E-02	0.00E+00	-1.90E-02	1.69E-09	6.56E-08	4.92E-02	2.58E+00	2.86E-05	0.00E+00	6.63E+00	2.92E-01	1.07E+01	0.00E+00	8.16E-08	5.02E-08	3.16E-03	7.46E-06	1.13E+00	0.00E+00	1.07E+01	-6.73E-07	1.07E+01	1.23E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HNA040Z	1.06E-02	1.39E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.48E+00	1.63E-05	6.11E-03	1.26E-02	0.00E+00	-1.62E-02	1.68E-09	6.68E-08	4.91E-02	2.66E+00	2.86E-05	0.00E+00	6.73E+00	2.95E-01	1.07E+01	0.00E+00	8.28E-08	5.02E-08	3.27E-03	7.46E-06	1.13E+00	0.00E+00	1.07E+01	-6.80E-07	1.07E+01	1.26E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HNA041H	1.54E-02	2.06E+00	2.91E-01	1.60E+00	0.00E+00	0.00E+00	1.23E+01	2.37E-05	8.73E-03	1.53E-02	0.00E+00	-3.12E-02	2.50E-09	1.13E-07	7.08E-02	3.78E+00	2.73E-05	0.00E+00	9.57E+00	4.29E-01	1.46E+01	0.00E+00	1.24E-07	7.40E-08	4.59E-03	9.49E-06	1.77E+00	0.00E+00	1.46E+01	-5.62E-07	1.46E+01	1.64E+01	1.77E+00	0.00E+00	0.00E+00	0.00E+00	3.87E+02
HNA041M	1.08E-02	1.29E+00	2.29E-01	1.10E+00	0.00E+00	0.00E+00	8.72E+00	1.61E-05	5.96E-03	1.05E-02	0.00E+00	-2.46E-02	1.89E-09	7.06E-08	5.44E-02	2.45E+00	2.69E-05	0.00E+00	6.92E+00	3.31E-01	1.13E+01	0.00E+00	8.40E-08	4.40E-08	3.03E-03	8.13E-06	1.17E+00	0.00E+00	1.13E+01	-1.49E-07	1.13E+01	1.23E+01	1.17E+00	0.00E+00	0.00E+00	0.00E+00	2.55E+02
HNA041U	1.30E-02	1.61E+00	2.68E-01	1.35E+00	0.00E+00	0.00E+00	1.11E+01	1.93E-05	7.31E-03	1.48E-02	0.00E+00	-2.17E-02	2.03E-09	8.17E-08	6.22E-02	3.13E+00	2.87E-05	0.00E+00	8.03E+00	3.42E-01	1.34E+01	0.00E+00	1.03E-07	6.09E-08	3.88E-03	8.60E-06	1.43E+00	0.00E+00	1.34E+01	-6.30E-07	1.34E+01	1.53E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.26E+02
HNA041Z	1.30E-02	1.62E+00	2.67E-01	1.34E+00	0.00E+00	0.00E+00	1.12E+01	1.98E-05	7.42E-03	1.48E-02	0.00E+00	-1.86E-02	2.03E-09	8.29E-08	6.22E-02	3.20E+00	2.87E-05	0.00E+00	8.12E+00	3.41E-01	1.34E+01	0.00E+00	1.04E-07	6.09E-08	3.98E-03	8.50E-06	1.43E+00	0.00E+00	1.34E+01	-6.34E-07	1.34E+01	1.56E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.26E+02
HNA050M	8.46E-03	1.06E+00	1.80E-01	9.03E-01	0.00E+00	0.00E+00	7.40E+00	1.31E-05	4.70E-03	8.40E-03	0.00E+00	-1.96E-02	1.47E-09	5.61E-08	4.61E-02	1.97E+00	2.69E-05	0.00E+00	5.69E+00	2.59E-01	9.00E+00	0.00E+00	7.01E-08	3.58E-08	2.50E-03	6.41E-06	9.71E-01	0.00E+00	9.00E+00	-1.54E-07	9.00E+00	9.76E+00	9.71E-01	0.00E+00	0.00E+00	0.00E+00	2.11E+02
HNA050Z	1.06E-02	1.39E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.48E+00	1.63E-05	6.11E-03	1.26E-02	0.00E+00	-1.62E-02	1.68E-09	6.68E-08	4.91E-02	2.66E+00	2.86E-05	0.00E+00	6.73E+00	2.95E-01	1.07E+01	0.00E+00	8.28E-08	5.02E-08	3.27E-03	7.46E-06	1.13E+00	0.00E+00	1.07E+01	-6.81E-07	1.07E+01	1.26E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HNA051M	1.08E-02	1.30E+00	2.34E-01	1.11E+00	0.00E+00	0.00E+00	8.78E+00	1.63E-05	5.99E-03	1.06E-02	0.00E+00	-2.46E-02	1.93E-09	7.08E-08	5.44E-02	2.47E+00	2.69E-05	0.00E+00	7.05E+00	3.31E-01	1.14E+01	0.00E+00	8.54E-08	4.39E-08	3.04E-03	8.13E-06	1.18E+00	0.00E+00	1.14E+01	-1.84E-07	1.14E+01	1.23E+01	1.18E+00	0.00E+00	0.00E+00	0.00E+00	2.59E+02
HNA051Z	1.30E-02	1.62E+00	2.67E-01	1.34E+00	0.00E+00	0.00E+00	1.12E+01	1.98E-05	7.42E-03	1.48E-02	0.00E+00	-1.86E-02	2.03E-09	8.29E-08	6.22E-02	3.20E+00	2.87E-05	0.00E+00	8.12E+00	3.41E-01	1.34E+01	0.00E+00	1.04E-07	6.09E-08	3.98E-03	8.50E-06	1.43E+00	0.00E+00	1.34E+01	-6.34E-07	1.34E+01	1.56E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.26E+02
HNA063H	7.40E-03	1.03E+00	1.85E-01	8.58E-01	0.00E+00	0.00E+00	6.74E+00	1.25E-05	4.16E-03	8.24E-03	0.00E+00	-2.00E-02	1.47E-09	4.94E-08	3.95E-02	1.77E+00	2.67E-05	0.00E+00	5.37E+00	2.66E-01	8.69E+00	0.00E+00	6.61E-08	3.51E-08	2.40E-03	6.52E-06	8.86E-01	0.00E+00	8.69E+00	-4.66E-07	8.69E+00	9.47E+00	8.86E-01	0.00E+00	0.00E+00	0.00E+00	2.00E+02
HNA063M	8.69E-03	1.08E+00	1.92E-01	9.36E-01	0.00E+00	0.00E+00	7.49E+00	1.36E-05	4.87E-03	8.67E-03	0.00E+00	-1.96E-02	1.49E-09	5.79E-08	4.63E-02	2.02E+00	2.69E-05	0.00E+00	5.89E+00	2.59E-01	9.17E+00	0.00E+00	7.16E-08	3.68E-08	2.59E-03	6.41E-06	9.90E-01	0.00E+00	9.17E+00	-1.55E-07	9.17E+00	9.98E+00	9.90E-01	0.00E+00	0.00E+00	0.00E+00	2.16E+02
HNA063U	1.06E-02	1.37E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.37E+00	1.59E-05	6.04E-03	1.26E-02	0.00E+00	-1.90E-02	1.69E-09	6.62E-08	4.92E-02	2.59E+00	2.86E-05	0.00E+00	6.64E+00	2.92E-01	1.07E+01	0.00E+00	8.16E-08	5.03E-08	3.16E-03	7.46E-06	1.14E+00	0.00E+00	1.07E+01	-6.73E-07	1.07E+01	1.23E+01	1.14E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HNA063Z	1.06E-02	1.39E+00	2.20E-01	1.11E+00	0.00E+00	0.00E+00	9.47E+00	1.63E-05	6.11E-03	1.26E-02	0.00E+00	-1.62E-02	1.68E-09	6.68E-08	4.91E-02	2.65E+00	2.86E-05	0.00E+00	6.72E+00	2.95E-01	1.07E+01	0.00E+00	8.28E-08	5.01E-08	3.27E-03	7.46E-06	1.13E+00	0.00E+00	1.07E+01	-6.82E-07	1.07E+01	1.26E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.72E+02
HNA064H	1.11E-02	1.38E+00	2.54E-01	1.16E+00	0.00E+00	0.00E+00	9.02E+00	1.75E-05	6.43E-03	1.13E-02	0.00E+00	-2.54E-02	1.94E-09	7.49E-08	5.12E-02	2.62E+00	2.67E-05	0.00E+00	7.62E+00	3.38E-01	1.20E+01	0.00E+00	9.00E-08	4.76E-08	3.21E-03	8.27E-06	1.24E+00	0.00E+00	1.20E+01	-3.08E-07	1.20E+01	1.32E+01	1.24E+00	0.00E+00	0.00E+00	0.00E+00	2.74E+02
HNA064M	1.11E-02	1.33E+00	2.50E-01	1.15E+00	0.00E+00	0.00E+00	8.90E+00	1.69E-05	6.19E-03	1.09E-02	0.00E+00	-2.46E-02	1.92E-09	7.31E-08	5.48E-02	2.55E+00	2.69E-05	0.00E+00	7.30E+00	3.31E-01	1.16E+01	0.00E+00	8.75E-08	4.53E-08	3.17E-03	8.13E-06	1.20E+00	0.00E+00	1.16E+01	-1.51E-07	1.16E+01	1.27E+01	1.20E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+02
HNA064U	1.29E-02	1.64E+00	2.71E-01	1.37E+00	0.00E+00	0.00E+00	1.11E+01	1.92E-05	7.31E-03	1.50E-02	0.00E+00	-2.26E-02	2.03E-09	8.16E-08	6.18E-02	3.11E+00	2.87E-05	0.00E+00	8.00E+00	3.60E-01	1.33E+01	0.00E+00	1.02E-07	6.06E-08	3.89E-03	9.02E-06	1.42E+00	0.00E+00	1.33E+01	-7.28E-07	1.33E+01	1.52E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HNA064Z	1.29E-02	1.67E+00	2.71E-01	1.38E+00	0.00E+00	0.00E+00	1.12E+01	1.96E-05	7.38E-03	1.51E-02	0.00E+00	-1.84E-02	2.04E-09	8.25E-08	6.18E-02	3.18E+00	2.89E-05	0.00E+00	8.09E+00	3.65E-01	1.33E+01	0.00E+00	1.03E-07	6.08E-08	4.01E-03	9.04E-06	1.43E+00	0.00E+00	1.33E+01	-7.38E-07	1.33E+01	1.55E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HNA080H	7.41E-03	1.03E+00	1.85E-01	8.58E-01	0.00E+00	0.00E+00	6.74E+00	1.25E-05	4.17E-03	8.24E-03	0.00E+00	-2.00E-02	1.47E-09	4.94E-08	3.95E-02	1.77E+00	2.67E-05	0.00E+00	5.37E+00	2.66E-01	8.69E+00	0.00E+00	6.61E-08	3.51E-08	2.40E-03	6.52E-06	8.86E-01	0.00E+00	8.69E+00	-4.67E-07	8.69E+00	9.46E+00	8.86E-01	0.00E+00	0.00E+00	0.00E+00	2.00E+02
HNA080M	8.05E-03	1.01E+00	1.85E-01	8.72E-01	0.00E+00	0.00E+00	7.28E+00	1.28E-05	4.49E-03	8.20E-03	0.00E+00	-1.96E-02	1.44E-09	5.27E-08	4.53E-02	1.85E+00	2.69E-05	0.00E+00	5.41E+00	2.59E-01	8.76E+00	0.00E+00	6.61E-08	3.52E-08	2.47E-03	6.41E-06	9.16E-01	0.00E+00	8.76E+00	-1.57E-07	8.76E+00	9.42E+00	9.16E-01	0.00E+00	0.00E+00	0.00E+00	2.00E+02
HNA080U	7.98E-03	1.08E+00	1.93E-01	8.85E-01	0.00E+00	0.00E+00	6.90E+00	1.34E-05	4.54E-03	8.29E-03	0.00E+00	-2.01E-02	1.57E-09	5.47E-08	3.86E-02	1.92E+00	2.67E-05	0.00E+00	5.88E+00	2.65E-01	8.57E+00	0.00E+00	6.68E-08	3.55E-08	2.42E-03	6.52E-06	9.61E-01	0.00E+00	8.57E+00	-6.06E-07	8.57E+00	9.53E+00	9.61E-01	0.00E+00	0.00E+00	0.00E+00	2.18E+02
HNA080Z	1.04E-02	1.35E+00	2.20E-01	1.09E+00	0.00E+00	0.00E+00	9.11E+00	1.61E-05	6.11E-03	1.23E-02	0.00E+00	-1.62E-02	1.68E-09	6.56E-08	4.90E-02	2.47E+00	2.86E-05	0.00E+00	6.53E+00	2.92E-01	1.05E+01	0.00E+00	8.03E-08	4.73E-08	3.22E-03	7.34E-06	1.12E+00	0.00E+00	1.05E+01	-6.43E-07	1.05E+01	1.24E+01	1.12E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+02
HNA081H	1.11E-02	1.38E+00	2.54E-01	1.16E+00	0.00E+00	0.00E+00	9.02E+00	1.75E-05	6.44E-03	1.13E-02	0.00E+00	-2.54E-02	1.94E-09	7.49E-08	5.12E-02	2.62E+00	2.67E-05	0.00E+00	7.62E+00	3.38E-01	1.20E+01	0.00E+00	9.00E-08	4.76E-08	3.21E-03	8.27E-06	1.24E+00	0.00E+00	1.20E+01	-3.08E-07	1.20E+01	1.32E+01	1.24E+00	0.00E+00	0.00E+00	0.00E+00	2.74E+02
HNA081M	1.11E-02	1.33E+00	2.50E-01	1.15E+00	0.00E+00	0.00E+00	8.90E+00	1.69E-05	6.21E-03	1.09E-02	0.00E+00	-2.46E-02	1.92E-09	7.32E-08	5.48E-02	2.55E+00	2.69E-05	0.00E+00	7.30E+00	3.31E-01	1.16E+01	0.00E+00	8.75E-08	4.54E-08	3.17E-03	8.13E-06	1.20E+00	0.00E+00	1.16E+01	-1.50E-07	1.16E+01	1.27E+01	1.20E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+02
HNA081U	1.30E-02	1.60E+00	2.67E-01	1.34E+00	0.00E+00	0.00E+00	1.11E+01	1.94E-05	7.35E-03	1.48E-02	0.00E+00	-2.16E-02	2.03E-09	8.20E-08	6.23E-02	3.13E+00	2.87E-05	0.00E+00	8.03E+00	3.38E-01	1.34E+01	0.00E+00	1.03E-07	6.10E-08	3.88E-03	8.50E-06	1.43E+00	0.00E+00	1.34E+01	-6.29E-07	1.34E+01	1.53E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.26E+02
HNA081Z	1.28E-02	1.58E+00	2.67E-01	1.32E+00	0.00E+00	0.00E+00	1.08E+01	1.96E-05	7.41E-03	1.45E-02	0.00E+00	-1.86E-02	2.03E-09	8.17E-08	6.22E-02	3.02E+00	2.87E-05	0.00E+00	7.93E+00	3.37E-01	1.32E+01	0.00E+00	1.02E-07	5.83E-08	3.94E-03	8.38E-06	1.42E+00	0.00E+00	1.32E+01	-5.83E-07	1.32E+01	1.55E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+02
HNA100H	7.50E-03	1.02E+00	1.84E-01	8.46E-01	0.00E+00	0.00E+00	6.72E+00	1.24E-05	4.25E-03	8.12E-03	0.00E+00	-2.01E-02	1.38E-09	4.99E-08	3.91E-02	1.78E+00	2.67E-05	0.00E+00	5.28E+00	2.66E-01	8.59E+00	0.00E+00	6.52E-08	3.47E-08	2.39E-03	6.52E-06	8.81E-01	0.00E+00	8.59E+00	-4.76E-07	8.59E+00	9.32E+00	8.81E-01	0.00E+00	0.00E+00	0.00E+00	1.95E+02
HNA100M	9.05E-03	1.12E+00	1.95E-01	9.61E-01	0.00E+00	0.00E+00	7.62E+00	1.42E-05	5.09E-03	8.88E-03	0.00E+00	-1.95E-02	1.55E-09	6.09E-08	4.68E-02	2.11E+00	2.69E-05	0.00E+00	6.08E+00	2.59E-01	9.38E+00	0.00E+00	7.32E-08	3.78E-08	2.64E-03	6.41E-06	1.02E+00	0.00E+00	9.38E+00	-1.64E-07	9.38E+00	1.02E+01	1.02E+00	0.00E+00	0.00E+00	0.00E+00	2.22E+02
HNA100U	1.07E-02	1.33E+00	2.20E-01	1.09E+00	0.00E+00	0.00E+00	9.00E+00	1.56E-05	6.23E-03	1.23E-02	0.00E+00	-1.90E-02	1.67E-09	6.63E-08	4.90E-02	2.42E+00	2.86E-05	0.00E+00	6.46E+00	2.89E-01	1.05E+01	0.00E+00	7.90E-08	4.74E-08	3.13E-03	7.34E-06	1.12E+00	0.00E+00	1.05E+01	-6.52E-07	1.05E+01	1.21E+01	1.12E+00	0.00E+00	0.00E+00	0.00E+00	2.66E+02
HNA100Z	1.07E-02	1.35E+00	2.20E-01	1.09E+00	0.00E+00	0.00E+00	9.13E+00	1.60E-05	6.34E-03	1.23E-02	0.00E+00	-1.62E-02	1.65E-09	6.76E-08	4.89E-02	2.50E+00	2.86E-05	0.00E+00	6.55E+00	2.92E-01	1.05E+01	0.00E+00	8.02E-08	4.74E-08	3.23E-03	7.34E-06	1.12E+00	0.00E+00	1.05E+01	-6.61E-07	1.05E+01	1.24E+01	1.12E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+02
HNA101H	1.17E-02	1.47E+00	2.43E-01	1.22E+00	0.00E+00	0.00E+00	9.46E+00	1.86E-05	6.78E-03	1.16E-02	0.00E+00	-2.54E-02	1.99E-09	7.93E-08	5.41E-02	2.76E+00	2.67E-05	0.00E+00	7.99E+00	3.37E-01	1.23E+01	0.00E+00	9.64E-08	5.08E-08	3.38E-03	8.26E-06	1.34E+00	0.00E+00	1.23E+01	-3.31E-07	1.23E+01	1.37E+01	1.34E+00	0.00E+00	0.00E+00	0.00E+00	2.94E+02
HNA101M	1.11E-02	1.33E+00	2.50E-01	1.15E+00	0.00E+00	0.00E+00	8.90E+00	1.69E-05	6.21E-03	1.09E-02	0.00E+00	-2.46E-02	1.92E-09	7.31E-08	5.48E-02	2.55E+00	2.69E-05	0.00E+00	7.30E+00	3.31E-01	1.16E+01	0.00E+00	8.75E-08	4.53E-08	3.17E-03	8.13E-06	1.20E+00	0.00E+00	1.16E+01	-1.50E-07	1.16E+01	1.27E+01	1.20E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+02
HNA101U	1.29E-02	1.56E+00	2.59E-01	1.32E+00	0.00E+00	0.00E+00	1.07E+01	1.92E-05	7.37E-03	1.45E-02	0.00E+00	-2.15E-02	2.03E-09	8.05E-08	6.22E-02	2.96E+00	2.87E-05	0.00E+00	7.85E+00	3.33E-01	1.32E+01	0.00E+00	1.01E-07	5.83E-08	3.84E-03	8.34E-06	1.42E+00	0.00E+00	1.32E+01	-5.81E-07	1.32E+01	1.52E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+02
HNA101Z	1.29E-02	1.58E+00	2.58E-01	1.32E+00	0.00E+00	0.00E+00	1.08E+01	1.96E-05	7.48E-03	1.44E-02	0.00E+00	-1.85E-02	2.03E-09	8.17E-08	6.22E-02	3.03E+00	2.87E-05	0.00E+00	7.94E+00	3.35E-01	1.32E+01	0.00E+00	1.02E-07	5.84E-08	3.94E-03	8.33E-06	1.42E+00	0.00E+00	1.32E+01	-5.84E-07	1.32E+01	1.55E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+02
HNA125H	8.20E-03	1.03E+00	1.86E-01	8.61E-01	0.00E+00	0.00E+00	7.07E+00	1.30E-05	4.79E-03	8.29E-03	0.00E+00	-1.99E-02	1.46E-09	5.52E-08	4.00E-02	1.88E+00	2.67E-05	0.00E+00	5.60E+00	2.66E-01	8.75E+00	0.00E+00	6.64E-08	3.59E-08	2.44E-03	6.53E-06	9.31E-01	0.00E+00	8.75E+00	-4.94E-07	8.75E+00	9.57E+00	9.31E-01	0.00E+00	0.00E+00	0.00E+00	2.07E+02
HNA125M	8.19E-03	1.01E+00	1.85E-01	8.73E-01	0.00E+00	0.00E+00	7.29E+00	1.28E-05	4.60E-03	8.21E-03	0.00E+00	-1.96E-02	1.44E-09	5.41E-08	4.53E-02	1.88E+00	2.69E-05	0.00E+00	5.43E+00	2.59E-01	8.77E+00	0.00E+00	6.62E-08	3.53E-08	2.48E-03	6.41E-06	9.20E-01	0.00E+00	8.77E+00	-1.68E-07	8.77E+00	9.44E+00	9.20E-01	0.00E+00	0.00E+00	0.00E+00	2.01E+02
HNA125U	1.07E-02	1.33E+00	2.21E-01	1.10E+00	0.00E+00	0.00E+00	9.01E+00	1.57E-05	6.24E-03	1.23E-02	0.00E+00	-1.90E-02	1.68E-09	6.64E-08	4.92E-02	2.43E+00	2.86E-05	0.00E+00	6.48E+00	2.89E-01	1.06E+01	0.00E+00	7.93E-08	4.76E-08	3.13E-03	7.34E-06	1.13E+00	0.00E+00	1.06E+01	-6.69E-07	1.06E+01	1.21E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.68E+02
HNA125Z	1.07E-02	1.35E+00	2.21E-01	1.10E+00	0.00E+00	0.00E+00	9.13E+00	1.61E-05	6.35E-03	1.23E-02	0.00E+00	-1.62E-02	1.68E-09	6.76E-08	4.92E-02	2.50E+00	2.86E-05	0.00E+00	6.58E+00	2.92E-01	1.06E+01	0.00E+00	8.05E-08	4.76E-08	3.24E-03	7.34E-06	1.13E+00	0.00E+00	1.06E+01	-6.73E-07	1.06E+01	1.25E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.68E+02
HNA126H	1.57E-02	2.07E+00	2.92E-01	1.61E+00	0.00E+00	0.00E+00	1.24E+01	2.38E-05	8.88E-03	1.53E-02	0.00E+00	-3.13E-02	2.55E-09	1.14E-07	7.09E-02	3.81E+00	2.73E-05	0.00E+00	9.70E+00	4.32E-01	1.46E+01	0.00E+00	1.24E-07	7.41E-08	4.63E-03	9.58E-06	1.79E+00	0.00E+00	1.46E+01	-6.16E-07	1.46E+01	1.64E+01	1.79E+00	0.00E+00	0.00E+00	0.00E+00	3.92E+02
HNA126M	1.11E-02	1.33E+00	2.50E-01	1.15E+00	0.00E+00	0.00E+00	8.90E+00	1.69E-05	6.19E-03	1.09E-02	0.00E+00	-2.46E-02	1.92E-09	7.31E-08	5.48E-02	2.55E+00	2.69E-05	0.00E+00	7.30E+00	3.31E-01	1.16E+01	0.00E+00	8.75E-08	4.53E-08	3.17E-03	8.13E-06	1.20E+00	0.00E+00	1.16E+01	-1.53E-07	1.16E+01	1.27E+01	1.20E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+02
HNA126U	1.28E-02	1.61E+00	2.71E-01	1.36E+00	0.00E+00	0.00E+00	1.07E+01	1.90E-05	7.35E-03	1.47E-02	0.00E+00	-2.26E-02	2.04E-09	8.05E-08	6.19E-02	2.93E+00	2.87E-05	0.00E+00	7.82E+00	3.57E-01	1.31E+01	0.00E+00	1.00E-07	5.80E-08	3.84E-03	8.91E-06	1.41E+00	0.00E+00	1.31E+01	-6.95E-07	1.31E+01	1.50E+01	1.41E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HNA126Z	1.28E-02	1.63E+00	2.71E-01	1.36E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.45E-03	1.47E-02	0.00E+00	-1.96E-02	2.03E-09	8.17E-08	6.18E-02	3.00E+00	2.87E-05	0.00E+00	7.91E+00	3.60E-01	1.31E+01	0.00E+00	1.01E-07	5.80E-08	3.95E-03	8.90E-06	1.41E+00	0.00E+00	1.31E+01	-6.99E-07	1.31E+01	1.53E+01	1.41E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HNA160H	9.25E-03	1.15E+00	1.97E-01	9.57E-01	0.00E+00	0.00E+00	7.48E+00	1.45E-05	5.39E-03	9.05E-03	0.00E+00	-1.98E-02	1.55E-09	6.34E-08	4.19E-02	2.15E+00	2.67E-05	0.00E+00	6.26E+00	2.66E-01	9.51E+00	0.00E+00	7.41E-08	3.89E-08	2.63E-03	6.52E-06	1.04E+00	0.00E+00	9.51E+00	-4.14E-07	9.51E+00	1.05E+01	1.04E+00	0.00E+00	0.00E+00	0.00E+00	2.29E+02
HNA160M	8.85E-03	1.08E+00	1.92E-01	9.37E-01	0.00E+00	0.00E+00	7.50E+00	1.36E-05	5.01E-03	8.67E-03	0.00E+00	-1.96E-02	1.49E-09	5.96E-08	4.64E-02	2.06E+00	2.69E-05	0.00E+00	5.92E+00	2.59E-01	9.18E+00	0.00E+00	7.17E-08	3.70E-08	2.61E-03	6.41E-06	9.96E-01	0.00E+00	9.18E+00	-1.65E-07	9.18E+00	9.99E+00	9.96E-01	0.00E+00	0.00E+00	0.00E+00	2.18E+02
HNA160U	1.07E-02	1.33E+00	2.21E-01	1.10E+00	0.00E+00	0.00E+00	9.02E+00	1.57E-05	6.26E-03	1.23E-02	0.00E+00	-1.89E-02	1.67E-09	6.66E-08	4.91E-02	2.43E+00	2.86E-05	0.00E+00	6.47E+00	2.89E-01	1.06E+01	0.00E+00	7.93E-08	4.75E-08	3.14E-03	7.33E-06	1.13E+00	0.00E+00	1.06E+01	-6.65E-07	1.06E+01	1.22E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.67E+02
HNA160Z	1.07E-02	1.35E+00	2.21E-01	1.10E+00	0.00E+00	0.00E+00	9.14E+00	1.61E-05	6.36E-03	1.23E-02	0.00E+00	-1.62E-02	1.65E-09	6.78E-08	4.91E-02	2.51E+00	2.86E-05	0.00E+00	6.55E+00	2.92E-01	1.06E+01	0.00E+00	8.04E-08	4.75E-08	3.24E-03	7.33E-06	1.12E+00	0.00E+00	1.06E+01	-6.79E-07	1.06E+01	1.25E+01	1.12E+00	0.00E+00	0.00E+00	0.00E+00	2.66E+02
HNA161H	1.24E-02	1.51E+00	2.57E-01	1.25E+00	0.00E+00	0.00E+00	9.70E+00	1.87E-05	7.32E-03	1.18E-02	0.00E+00	-2.63E-02	2.02E-09	8.48E-08	5.45E-02	2.84E+00	2.67E-05	0.00E+00	8.14E+00	3.48E-01	1.23E+01	0.00E+00	9.59E-08	5.11E-08	3.48E-03	8.55E-06	1.36E+00	0.00E+00	1.23E+01	-6.92E-07	1.23E+01	1.36E+01	1.36E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+02
HNA161M	1.00E-02	1.20E+00	2.34E-01	1.04E+00	0.00E+00	0.00E+00	8.48E+00	1.51E-05	5.58E-03	9.99E-03	0.00E+00	-2.46E-02	1.79E-09	6.48E-08	5.22E-02	2.24E+00	2.69E-05	0.00E+00	6.54E+00	3.29E-01	1.10E+01	0.00E+00	7.85E-08	4.23E-08	2.97E-03	8.12E-06	1.08E+00	0.00E+00	1.10E+01	-1.24E-07	1.10E+01	1.18E+01	1.08E+00	0.00E+00	0.00E+00	0.00E+00	2.37E+02
HNA161U	1.28E-02	1.60E+00	2.62E-01	1.35E+00	0.00E+00	0.00E+00	1.07E+01	1.91E-05	7.38E-03	1.46E-02	0.00E+00	-2.25E-02	2.03E-09	8.09E-08	6.18E-02	2.94E+00	2.87E-05	0.00E+00	7.82E+00	3.54E-01	1.32E+01	0.00E+00	1.00E-07	5.81E-08	3.84E-03	8.84E-06	1.41E+00	0.00E+00	1.32E+01	-7.01E-07	1.32E+01	1.51E+01	1.41E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HNA161Z	1.18E-02	1.36E+00	2.33E-01	1.14E+00	0.00E+00	0.00E+00	9.20E+00	1.84E-05	6.83E-03	1.09E-02	0.00E+00	-2.27E-02	1.97E-09	8.05E-08	5.29E-02	2.72E+00	2.67E-05	0.00E+00	7.79E+00	2.98E-01	1.21E+01	0.00E+00	9.51E-08	4.92E-08	3.29E-03	7.34E-06	1.33E+00	0.00E+00	1.21E+01	-2.47E-07	1.21E+01	1.34E+01	1.33E+00	0.00E+00	0.00E+00	0.00E+00	2.93E+02
HNB100H	2.07E-02	2.17E+00	1.62E-01	2.01E+00	0.00E+00	0.00E+00	1.46E+01	2.63E-05	1.26E-02	1.91E-02	0.00E+00	-1.13E-02	2.61E-09	1.40E-07	1.02E-01	4.95E+00	8.85E-07	0.00E+00	1.16E+01	1.50E-01	1.92E+01	0.00E+00	1.51E-07	8.09E-08	5.63E-03	3.80E-06	2.08E+00	0.00E+00	1.92E+01	1.59E-06	1.92E+01	2.13E+01	2.08E+00	0.00E+00	0.00E+00	0.00E+00	4.23E+02
HNB100U	2.47E-02	2.78E+00	2.06E-01	2.39E+00	0.00E+00	0.00E+00	1.71E+01	3.17E-05	1.45E-02	2.25E-02	0.00E+00	-1.91E-02	3.11E-09	1.75E-07	1.14E-01	5.92E+00	1.62E-06	0.00E+00	1.33E+01	2.58E-01	2.17E+01	0.00E+00	1.82E-07	1.05E-07	6.85E-03	5.91E-06	2.55E+00	0.00E+00	2.17E+01	1.82E-06	2.17E+01	2.43E+01	2.55E+00	0.00E+00	0.00E+00	0.00E+00	5.14E+02
HNB100Z	2.08E-02	2.22E+00	1.69E-01	2.01E+00	0.00E+00	0.00E+00	1.44E+01	2.70E-05	1.28E-02	1.89E-02	0.00E+00	-6.66E-03	2.64E-09	1.44E-07	9.96E-02	5.03E+00	1.30E-06	0.00E+00	1.19E+01	1.64E-01	1.96E+01	0.00E+00	1.57E-07	8.15E-08	5.79E-03	4.82E-06	2.13E+00	0.00E+00	1.96E+01	1.57E-06	1.96E+01	2.19E+01	2.13E+00	0.00E+00	0.00E+00	0.00E+00	4.23E+02
HNB101H	2.84E-02	3.18E+00	2.41E-01	2.78E+00	0.00E+00	0.00E+00	2.05E+01	3.68E-05	1.68E-02	2.65E-02	0.00E+00	-2.12E-02	3.64E-09	1.98E-07	1.39E-01	6.77E+00	1.62E-06	0.00E+00	1.56E+01	2.90E-01	2.57E+01	0.00E+00	2.09E-07	1.18E-07	7.89E-03	6.22E-06	2.92E+00	0.00E+00	2.57E+01	2.06E-06	2.57E+01	2.88E+01	2.92E+00	0.00E+00	0.00E+00	0.00E+00	5.99E+02
HNB101U	2.84E-02	3.18E+00	2.41E-01	2.78E+00	0.00E+00	0.00E+00	2.05E+01	3.68E-05	1.68E-02	2.65E-02	0.00E+00	-2.12E-02	3.64E-09	1.98E-07	1.39E-01	6.77E+00	1.62E-06	0.00E+00	1.56E+01	2.90E-01	2.57E+01	0.00E+00	2.09E-07	1.18E-07	7.89E-03	6.22E-06	2.92E+00	0.00E+00	2.57E+01	2.06E-06	2.57E+01	2.88E+01	2.92E+00	0.00E+00	0.00E+00	0.00E+00	5.99E+02
HNB101Z	2.26E-02	2.42E+00	1.89E-01	2.21E+00	0.00E+00	0.00E+00	1.59E+01	2.90E-05	1.38E-02	2.14E-02	0.00E+00	-1.30E-02	2.83E-09	1.51E-07	1.24E-01	5.47E+00	1.05E-06	0.00E+00	1.29E+01	1.75E-01	2.13E+01	0.00E+00	1.63E-07	8.72E-08	6.23E-03	3.94E-06	2.26E+00	0.00E+00	2.13E+01	1.82E-06	2.13E+01	2.37E+01	2.26E+00	0.00E+00	0.00E+00	0.00E+00	4.67E+02
HNB102H	2.84E-02	3.18E+00	2.41E-01	2.78E+00	0.00E+00	0.00E+00	2.05E+01	3.68E-05	1.68E-02	2.65E-02	0.00E+00	-2.12E-02	3.64E-09	1.98E-07	1.39E-01	6.77E+00	1.62E-06	0.00E+00	1.56E+01	2.90E-01	2.57E+01	0.00E+00	2.09E-07	1.18E-07	7.89E-03	6.22E-06	2.92E+00	0.00E+00	2.57E+01	2.06E-06	2.57E+01	2.88E+01	2.92E+00	0.00E+00	0.00E+00	0.00E+00	5.99E+02
HNB125H	2.46E-02	2.76E+00	2.06E-01	2.38E+00	0.00E+00	0.00E+00	1.69E+01	3.16E-05	1.45E-02	2.24E-02	0.00E+00	-1.89E-02	3.11E-09	1.75E-07	1.13E-01	5.91E+00	1.62E-06	0.00E+00	1.33E+01	2.57E-01	2.16E+01	0.00E+00	1.81E-07	1.04E-07	6.80E-03	5.82E-06	2.53E+00	0.00E+00	2.16E+01	1.82E-06	2.16E+01	2.42E+01	2.53E+00	0.00E+00	0.00E+00	0.00E+00	5.11E+02
HNB125Z	2.39E-02	2.69E+00	2.09E-01	2.32E+00	0.00E+00	0.00E+00	1.60E+01	3.06E-05	1.39E-02	2.16E-02	0.00E+00	-1.88E-02	2.89E-09	1.68E-07	1.11E-01	5.80E+00	1.82E-06	0.00E+00	1.31E+01	2.44E-01	2.08E+01	0.00E+00	1.72E-07	9.91E-08	6.65E-03	5.67E-06	2.45E+00	0.00E+00	2.08E+01	1.80E-06	2.08E+01	2.33E+01	2.45E+00	0.00E+00	0.00E+00	0.00E+00	4.96E+02
HNB126H	2.55E-02	2.76E+00	2.01E-01	2.54E+00	0.00E+00	0.00E+00	1.84E+01	3.35E-05	1.56E-02	2.41E-02	0.00E+00	-1.36E-02	3.36E-09	1.74E-07	1.26E-01	6.16E+00	8.85E-07	0.00E+00	1.48E+01	1.97E-01	2.40E+01	0.00E+00	1.89E-07	1.03E-07	7.09E-03	4.92E-06	2.62E+00	0.00E+00	2.40E+01	2.08E-06	2.40E+01	2.68E+01	2.62E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02
HNB126U	2.79E-02	3.14E+00	2.39E-01	2.74E+00	0.00E+00	0.00E+00	2.02E+01	3.64E-05	1.65E-02	2.62E-02	0.00E+00	-2.12E-02	3.60E-09	1.95E-07	1.36E-01	6.69E+00	1.62E-06	0.00E+00	1.54E+01	2.88E-01	2.54E+01	0.00E+00	2.06E-07	1.17E-07	7.79E-03	6.16E-06	2.88E+00	0.00E+00	2.54E+01	2.03E-06	2.54E+01	2.84E+01	2.88E+00	0.00E+00	0.00E+00	0.00E+00	5.92E+02
HNB126Z	2.79E-02	3.16E+00	2.42E-01	2.74E+00	0.00E+00	0.00E+00	2.01E+01	3.62E-05	1.66E-02	2.64E-02	0.00E+00	-2.12E-02	3.59E-09	1.94E-07	1.38E-01	6.70E+00	1.88E-06	0.00E+00	1.55E+01	2.88E-01	2.54E+01	0.00E+00	2.05E-07	1.17E-07	7.84E-03	6.20E-06	2.87E+00	0.00E+00	2.54E+01	2.05E-06	2.54E+01	2.84E+01	2.87E+00	0.00E+00	0.00E+00	0.00E+00	5.89E+02
HNB127H	2.83E-02	3.18E+00	2.41E-01	2.78E+00	0.00E+00	0.00E+00	2.05E+01	3.68E-05	1.68E-02	2.65E-02	0.00E+00	-2.12E-02	3.64E-09	1.98E-07	1.38E-01	6.77E+00	1.62E-06	0.00E+00	1.56E+01	2.90E-01	2.57E+01	0.00E+00	2.09E-07	1.18E-07	7.88E-03	6.22E-06	2.91E+00	0.00E+00	2.57E+01	2.06E-06	2.57E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.99E+02
HNB160H	2.04E-02	2.14E+00	1.60E-01	1.98E+00	0.00E+00	0.00E+00	1.44E+01	2.61E-05	1.24E-02	1.88E-02	0.00E+00	-1.12E-02	2.58E-09	1.38E-07	1.01E-01	4.89E+00	8.85E-07	0.00E+00	1.15E+01	1.48E-01	1.90E+01	0.00E+00	1.49E-07	7.99E-08	5.56E-03	3.75E-06	2.06E+00	0.00E+00	1.90E+01	1.58E-06	1.90E+01	2.11E+01	2.06E+00	0.00E+00	0.00E+00	0.00E+00	4.18E+02
HNB160U	2.04E-02	2.14E+00	1.60E-01	1.98E+00	0.00E+00	0.00E+00	1.44E+01	2.61E-05	1.24E-02	1.88E-02	0.00E+00	-1.12E-02	2.58E-09	1.38E-07	1.01E-01	4.89E+00	0.00E+00	0.00E+00	1.15E+01	1.48E-01	1.90E+01	0.00E+00	1.49E-07	7.99E-08	5.56E-03	3.75E-06	2.06E+00	0.00E+00	1.90E+01	1.58E-06	1.90E+01	2.11E+01	2.06E+00	0.00E+00	0.00E+00	0.00E+00	4.18E+02
HNB160Z	2.39E-02	2.70E+00	2.10E-01	2.32E+00	0.00E+00	0.00E+00	1.60E+01	3.07E-05	1.39E-02	2.16E-02	0.00E+00	-1.89E-02	2.89E-09	1.69E-07	1.11E-01	5.81E+00	1.85E-06	0.00E+00	1.31E+01	2.45E-01	2.09E+01	0.00E+00	1.73E-07	9.93E-08	6.67E-03	5.68E-06	2.46E+00	0.00E+00	2.09E+01	1.80E-06	2.09E+01	2.34E+01	2.46E+00	0.00E+00	0.00E+00	0.00E+00	4.97E+02
HNB161H	2.83E-02	3.18E+00	2.42E-01	2.78E+00	0.00E+00	0.00E+00	2.05E+01	3.68E-05	1.68E-02	2.65E-02	0.00E+00	-2.12E-02	3.64E-09	1.98E-07	1.38E-01	6.77E+00	1.62E-06	0.00E+00	1.56E+01	2.90E-01	2.57E+01	0.00E+00	2.09E-07	1.18E-07	7.88E-03	6.22E-06	2.91E+00	0.00E+00	2.57E+01	2.06E-06	2.57E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.99E+02
HNB161Z	2.75E-02	3.14E+00	2.41E-01	2.73E+00	0.00E+00	0.00E+00	2.00E+01	3.60E-05	1.64E-02	2.62E-02	0.00E+00	-2.12E-02	3.59E-09	1.92E-07	1.37E-01	6.66E+00	1.88E-06	0.00E+00	1.55E+01	2.87E-01	2.53E+01	0.00E+00	2.04E-07	1.16E-07	7.81E-03	6.17E-06	2.86E+00	0.00E+00	2.53E+01	2.04E-06	2.53E+01	2.83E+01	2.86E+00	0.00E+00	0.00E+00	0.00E+00	5.89E+02

HNB162H	2.83E-02	3.18E+00	2.42E-01	2.78E+00	0.00E+00	0.00E+00	2.05E+01	3.68E-05	1.68E-02	2.65E-02	0.00E+00	-2.12E-02	3.64E-09	1.98E-07	1.38E-01	6.77E+00	1.62E-06	0.00E+00	1.56E+01	2.90E-01	2.57E+01	0.00E+00	2.09E-07	1.18E-07	7.88E-03	6.22E-06	2.91E+00	0.00E+00	2.57E+01	2.06E-06	2.57E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.99E+02
HNB200H	1.96E-02	2.06E+00	1.54E-01	1.91E+00	0.00E+00	0.00E+00	1.39E+01	2.51E-05	1.19E-02	1.81E-02	0.00E+00	-1.08E-02	2.49E-09	1.33E-07	9.72E-02	4.70E+00	8.85E-07	0.00E+00	1.11E+01	1.43E-01	1.83E+01	0.00E+00	1.43E-07	7.69E-08	5.35E-03	3.62E-06	1.98E+00	0.00E+00	1.83E+01	1.52E-06	1.83E+01	2.03E+01	1.98E+00	0.00E+00	0.00E+00	0.00E+00	4.03E+02
HNB200U	1.96E-02	2.06E+00	1.54E-01	1.91E+00	0.00E+00	0.00E+00	1.39E+01	2.51E-05	1.19E-02	1.81E-02	0.00E+00	-1.08E-02	2.49E-09	1.33E-07	9.72E-02	4.70E+00	0.00E+00	0.00E+00	1.11E+01	1.43E-01	1.83E+01	0.00E+00	1.43E-07	7.69E-08	5.35E-03	3.62E-06	1.98E+00	0.00E+00	1.83E+01	1.52E-06	1.83E+01	2.03E+01	1.98E+00	0.00E+00	0.00E+00	0.00E+00	4.03E+02
HNB200Z	2.42E-02	2.72E+00	2.11E-01	2.33E+00	0.00E+00	0.00E+00	1.65E+01	3.11E-05	1.42E-02	2.20E-02	0.00E+00	-1.89E-02	3.06E-09	1.70E-07	1.12E-01	5.83E+00	1.87E-06	0.00E+00	1.32E+01	2.54E-01	2.13E+01	0.00E+00	1.79E-07	1.02E-07	6.73E-03	5.80E-06	2.48E+00	0.00E+00	2.13E+01	1.80E-06	2.13E+01	2.38E+01	2.48E+00	0.00E+00	0.00E+00	0.00E+00	5.02E+02
HNB201H	2.59E-02	2.72E+00	2.05E-01	2.51E+00	0.00E+00	0.00E+00	1.83E+01	3.30E-05	1.57E-02	2.38E-02	0.00E+00	-1.45E-02	3.27E-09	1.75E-07	1.28E-01	6.19E+00	8.85E-07	0.00E+00	1.46E+01	1.92E-01	2.41E+01	0.00E+00	1.89E-07	1.01E-07	7.04E-03	4.87E-06	2.61E+00	0.00E+00	2.41E+01	1.96E-06	2.41E+01	2.67E+01	2.61E+00	0.00E+00	0.00E+00	0.00E+00	5.30E+02
HNB201U	2.83E-02	3.18E+00	2.41E-01	2.78E+00	0.00E+00	0.00E+00	2.05E+01	3.68E-05	1.68E-02	2.65E-02	0.00E+00	-2.12E-02	3.64E-09	1.98E-07	1.39E-01	6.77E+00	1.62E-06	0.00E+00	1.56E+01	2.90E-01	2.57E+01	0.00E+00	2.09E-07	1.18E-07	7.89E-03	6.22E-06	2.92E+00	0.00E+00	2.57E+01	2.06E-06	2.57E+01	2.88E+01	2.92E+00	0.00E+00	0.00E+00	0.00E+00	5.99E+02
HNB201Z	2.76E-02	3.15E+00	2.41E-01	2.73E+00	0.00E+00	0.00E+00	2.00E+01	3.60E-05	1.64E-02	2.62E-02	0.00E+00	-2.12E-02	3.59E-09	1.92E-07	1.37E-01	6.67E+00	1.88E-06	0.00E+00	1.55E+01	2.87E-01	2.53E+01	0.00E+00	2.05E-07	1.16E-07	7.82E-03	6.17E-06	2.86E+00	0.00E+00	2.53E+01	2.04E-06	2.53E+01	2.83E+01	2.86E+00	0.00E+00	0.00E+00	0.00E+00	5.89E+02
HNB202H	2.44E-02	2.57E+00	1.88E-01	2.39E+00	0.00E+00	0.00E+00	1.78E+01	3.14E-05	1.48E-02	2.28E-02	0.00E+00	-1.36E-02	3.07E-09	1.64E-07	1.27E-01	5.85E+00	8.23E-07	0.00E+00	1.39E+01	1.83E-01	2.30E+01	0.00E+00	1.77E-07	9.51E-08	6.67E-03	4.04E-06	2.45E+00	0.00E+00	2.30E+01	1.89E-06	2.30E+01	2.55E+01	2.45E+00	0.00E+00	0.00E+00	0.00E+00	5.07E+02
HNB250H	2.05E-02	2.15E+00	1.60E-01	1.99E+00	0.00E+00	0.00E+00	1.44E+01	2.61E-05	1.24E-02	1.88E-02	0.00E+00	-1.12E-02	2.59E-09	1.38E-07	1.01E-01	4.89E+00	8.85E-07	0.00E+00	1.15E+01	1.48E-01	1.90E+01	0.00E+00	1.49E-07	8.00E-08	5.57E-03	3.75E-06	2.06E+00	0.00E+00	1.90E+01	1.58E-06	1.90E+01	2.11E+01	2.06E+00	0.00E+00	0.00E+00	0.00E+00	4.19E+02
HNB250U	2.05E-02	2.15E+00	1.60E-01	1.99E+00	0.00E+00	0.00E+00	1.44E+01	2.61E-05	1.24E-02	1.88E-02	0.00E+00	-1.12E-02	2.58E-09	1.38E-07	1.01E-01	4.89E+00	0.00E+00	0.00E+00	1.15E+01	1.48E-01	1.90E+01	0.00E+00	1.49E-07	8.00E-08	5.57E-03	3.75E-06	2.06E+00	0.00E+00	1.90E+01	1.58E-06	1.90E+01	2.11E+01	2.06E+00	0.00E+00	0.00E+00	0.00E+00	4.19E+02
HNB250Z	2.41E-02	2.72E+00	2.11E-01	2.33E+00	0.00E+00	0.00E+00	1.65E+01	3.11E-05	1.42E-02	2.20E-02	0.00E+00	-1.89E-02	3.07E-09	1.70E-07	1.11E-01	5.83E+00	1.85E-06	0.00E+00	1.32E+01	2.54E-01	2.13E+01	0.00E+00	1.79E-07	1.02E-07	6.73E-03	5.80E-06	2.48E+00	0.00E+00	2.13E+01	1.80E-06	2.13E+01	2.38E+01	2.48E+00	0.00E+00	0.00E+00	0.00E+00	5.02E+02
HNB251H	2.58E-02	2.72E+00	2.05E-01	2.51E+00	0.00E+00	0.00E+00	1.83E+01	3.30E-05	1.57E-02	2.38E-02	0.00E+00	-1.45E-02	3.27E-09	1.75E-07	1.28E-01	6.18E+00	8.85E-07	0.00E+00	1.46E+01	1.92E-01	2.41E+01	0.00E+00	1.89E-07	1.01E-07	7.04E-03	4.87E-06	2.61E+00	0.00E+00	2.41E+01	1.96E-06	2.41E+01	2.67E+01	2.61E+00	0.00E+00	0.00E+00	0.00E+00	5.29E+02
HNB251U	2.84E-02	3.18E+00	2.42E-01	2.78E+00	0.00E+00	0.00E+00	2.05E+01	3.69E-05	1.69E-02	2.66E-02	0.00E+00	-2.13E-02	3.66E-09	1.98E-07	1.39E-01	6.80E+00	1.62E-06	0.00E+00	1.57E+01	2.91E-01	2.58E+01	0.00E+00	2.10E-07	1.19E-07	7.91E-03	6.23E-06	2.93E+00	0.00E+00	2.58E+01	2.06E-06	2.58E+01	2.89E+01	2.93E+00	0.00E+00	0.00E+00	0.00E+00	6.00E+02
HNB251Z	2.26E-02	2.43E+00	1.89E-01	2.22E+00	0.00E+00	0.00E+00	1.60E+01	2.91E-05	1.38E-02	2.15E-02	0.00E+00	-1.31E-02	2.84E-09	1.51E-07	1.25E-01	5.51E+00	1.05E-06	0.00E+00	1.29E+01	1.75E-01	2.14E+01	0.00E+00	1.64E-07	8.75E-08	6.26E-03	3.96E-06	2.27E+00	0.00E+00	2.14E+01	1.82E-06	2.14E+01	2.38E+01	2.27E+00	0.00E+00	0.00E+00	0.00E+00	4.68E+02
HNB252H	2.58E-02	2.71E+00	2.05E-01	2.51E+00	0.00E+00	0.00E+00	1.82E+01	3.29E-05	1.56E-02	2.38E-02	0.00E+00	-1.45E-02	3.26E-09	1.74E-07	1.28E-01	6.17E+00	8.85E-07	0.00E+00	1.45E+01	1.92E-01	2.40E+01	0.00E+00	1.88E-07	1.01E-07	7.02E-03	4.86E-06	2.60E+00	0.00E+00	2.40E+01	1.95E-06	2.40E+01	2.66E+01	2.60E+00	0.00E+00	0.00E+00	0.00E+00	5.28E+02
HNJ250DR	6.31E-02	7.11E+00	9.69E-01	6.11E+00	0.00E+00	0.00E+00	4.44E+01	8.17E-05	3.82E-02	5.78E-02	0.00E+00	-9.79E-02	8.20E-09	4.30E-07	2.55E-01	1.35E+01	7.51E-05	0.00E+00	3.57E+01	1.22E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.08E-05	6.20E+00	0.00E+00	5.57E+01	-1.89E-06	5.57E+01	6.24E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HNJ251DR	8.05E-02	8.44E+00	1.24E+00	7.20E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.89E-02	6.96E-02	0.00E+00	-1.18E-01	1.03E-08	5.53E-07	3.28E-01	1.76E+01	7.68E-05	0.00E+00	4.67E+01	1.58E+00	7.46E+01	0.00E+00	5.86E-07	3.13E-07	2.10E-02	3.89E-05	8.08E+00	0.00E+00	7.46E+01	-5.44E-07	7.46E+01	8.26E+01	8.08E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HNJ320BR	6.22E-02	7.03E+00	9.67E-01	6.07E+00	0.00E+00	0.00E+00	4.35E+01	8.06E-05	3.76E-02	5.62E-02	0.00E+00	-9.67E-02	8.07E-09	4.25E-07	2.51E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.23E+00	5.50E+01	0.00E+00	4.40E-07	2.33E-07	1.67E-02	3.07E-05	6.19E+00	0.00E+00	5.50E+01	-2.86E-06	5.50E+01	6.07E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HNJ320DR	6.31E-02	7.11E+00	9.69E-01	6.11E+00	0.00E+00	0.00E+00	4.44E+01	8.17E-05	3.82E-02	5.78E-02	0.00E+00	-9.79E-02	8.20E-09	4.30E-07	2.55E-01	1.35E+01	7.51E-05	0.00E+00	3.57E+01	1.22E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.08E-05	6.20E+00	0.00E+00	5.57E+01	-1.89E-06	5.57E+01	6.24E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HNJ321DR	8.05E-02	8.42E+00	1.24E+00	7.18E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.90E-02	6.95E-02	0.00E+00	-1.18E-01	1.03E-08	5.53E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.68E+01	1.58E+00	7.49E+01	0.00E+00	5.90E-07	3.12E-07	2.10E-02	3.89E-05	8.07E+00	0.00E+00	7.49E+01	-5.95E-07	7.49E+01	8.25E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HNJ400DR	6.10E-02	6.94E+00	9.25E-01	6.02E+00	0.00E+00	0.00E+00	4.31E+01	7.95E-05	3.73E-02	5.64E-02	0.00E+00	-8.92E-02	7.85E-09	4.18E-07	2.42E-01	1.32E+01	7.48E-05	0.00E+00	3.46E+01	1.18E+00	5.44E+01	0.00E+00	4.33E-07	2.31E-07	1.66E-02	2.91E-05	6.03E+00	0.00E+00	5.44E+01	-1.79E-06	5.44E+01	6.04E+01	6.03E+00	0.00E+00	0.00E+00	0.00E+00	1.26E+03
HNJ401DR	8.13E-02	8.34E+00	1.24E+00	7.11E+00	0.00E+00	0.00E+00	5.80E+01	1.12E-04	4.92E-02	6.93E-02	0.00E+00	-1.19E-01	1.04E-08	5.58E-07	3.33E-01	1.79E+01	7.68E-05	0.00E+00	4.75E+01	1.58E+00	7.67E+01	0.00E+00	6.00E-07	3.20E-07	2.12E-02	3.88E-05	8.22E+00	0.00E+00	7.67E+01	1.18E-06	7.67E+01	8.49E+01	8.22E+00	0.00E+00	0.00E+00	0.00E+00	1.73E+03
HNJ500BR	6.24E-02	7.07E+00	9.95E-01	6.09E+00	0.00E+00	0.00E+00	4.37E+01	8.10E-05	3.75E-02	5.63E-02	0.00E+00	-9.77E-02	8.04E-09	4.28E-07	2.50E-01	1.34E+01	7.39E-05	0.00E+00	3.49E+01	1.28E+00	5.51E+01	0.00E+00	4.41E-07	2.34E-07	1.68E-02	3.14E-05	6.19E+00	0.00E+00	5.51E+01	-2.68E-06	5.51E+01	6.11E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HNJ630DE	6.18E-02	7.13E+00	1.01E+00	6.12E+00	0.00E+00	0.00E+00	4.35E+01	8.02E-05	3.78E-02	5.73E-02	0.00E+00	-9.94E-02	7.92E-09	4.23E-07	2.45E-01	1.34E+01	7.48E-05	0.00E+00	3.49E+01	1.31E+00	5.49E+01	0.00E+00	4.37E-07	2.34E-07	1.68E-02	3.23E-05	6.08E+00	0.00E+00	5.49E+01	-2.91E-06	5.49E+01	6.10E+01	6.08E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HNJ631DE	8.23E-02	8.59E+00	1.35E+00	7.24E+00	0.00E+00	0.00E+00	5.85E+01	1.13E-04	4.99E-02	7.04E-02	0.00E+00	-1.33E-01	1.05E-08	5.65E-07	3.36E-01	1.81E+01	7.68E-05	0.00E+00	4.79E+01	1.75E+00	7.74E+01	0.00E+00	6.06E-07	3.22E-07	2.15E-02	4.32E-05	8.28E+00	0.00E+00	7.74E+01	-3.23E-07	7.74E+01	8.56E+01	8.28E+00	0.00E+00	0.00E+00	0.00E+00	1.75E+03
HNS025BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HNS025BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.50E-03	1.45E-02	0.00E+00	1.56E-02	1.98E-09	9.94E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.84E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.61E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HNS025DC	1.34E-02	1.63E+00	1.89E-01	1.46E+00	0.00E+00	0.00E+00	1.09E+01	1.94E-05	7.67E-03	1.32E-02	0.00E+00	2.16E-02	1.96E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.30E-02	1.49E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.34E-06	1.52E+00	0.00E+00	1.49E+01	2.16E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HNS025DR	1.51E-02	1.64E+00	2.45E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.72E-08	6.75E-02	3.64E+00	3.00E-05	0.00E+00	8.64E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.35E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	1.22E-08	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HNS026BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.89E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS026BR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.01E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.54E-06	2.24E+00	0.00E+00	1.99E+01	-5.86E-07	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HNS026DC	1.58E-02	1.83E+00	1.87E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.73E-02	3.66E+00	3.03E-05	0.00E+00	9.53E+00	8.13E-02	1.63E+01	0.00E+00	1.27E-07	6.75E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS026DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.34E+01	2.84E-05	1.25E-02	1.96E-02	0.00E+00	1.42E-02	2.67E-09	1.43E-07	8.28E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.97E+01	0.00E+00	1.61E-07	8.24E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-2.43E-09	1.97E+01	2.21E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HNS040BC	1.32E-02	1.58E+00	1.87E-01	1.43E+00	0.00E+00	0.00E+00	1.08E+01	1.92E-05	7.54E-03	1.31E-02	0.00E+00	2.14E-02	1.91E-09	8.25E-08	7.14E-02	3.18E+00	2.72E-05	0.00E+00	7.85E+00	6.92E-02	1.46E+01	0.00E+00	1.11E-07	5.98E-08	4.05E-03	4.30E-06	1.49E+00	0.00E+00	1.46E+01	2.06E-06	1.46E+01	1.55E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HNS040BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.52E-03	1.45E-02	0.00E+00	1.56E-02	1.98E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.84E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.60E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HNS040DC	1.32E-02	1.58E+00	1.87E-01	1.43E+00	0.00E+00	0.00E+00	1.08E+01	1.92E-05	7.54E-03	1.31E-02	0.00E+00	2.14E-02	1.91E-09	8.25E-08	7.14E-02	3.18E+00	2.72E-05	0.00E+00	7.85E+00	6.92E-02	1.46E+01	0.00E+00	1.11E-07	5.98E-08	4.05E-03	4.30E-06	1.49E+00	0.00E+00	1.46E+01	2.15E-06	1.46E+01	1.55E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+02
HNS040DR	1.51E-02	1.64E+00	2.44E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.23E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.65E-08	6.75E-02	3.65E+00	3.00E-05	0.00E+00	8.64E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.35E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	1.42E-08	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HNS041BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.70E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.89E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	7.79E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS041BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.13E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.87E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HNS041DC	1.58E-02	1.83E+00	1.87E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.70E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.79E-02	3.66E+00	3.03E-05	0.00E+00	9.53E+00	7.88E-02	1.63E+01	0.00E+00	1.27E-07	6.75E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS041DR	2.09E-02	2.26E+00	2.47E-01	2.11E+00	0.00E+00	0.00E+00	1.34E+01	2.81E-05	1.23E-02	1.95E-02	0.00E+00	1.42E-02	2.64E-09	1.41E-07	8.29E-02	5.01E+00	3.03E-05	0.00E+00	1.19E+01	2.92E-01	1.97E+01	0.00E+00	1.60E-07	8.17E-08	5.90E-03	7.44E-06	2.16E+00	0.00E+00	1.97E+01	-4.24E-10	1.97E+01	2.20E+01	2.16E+00	0.00E+00	0.00E+00	0.00E+00	4.37E+02
HNS050BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HNS050BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.66E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HNS051BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS051BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.12E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.90E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HNS063BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	6.94E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.32E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HNS063BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.83E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HNS063DC	1.34E-02	1.63E+00	1.89E-01	1.46E+00	0.00E+00	0.00E+00	1.09E+01	1.94E-05	7.67E-03	1.32E-02	0.00E+00	2.17E-02	1.96E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.16E-02	1.49E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.29E-06	1.52E+00	0.00E+00	1.49E+01	2.16E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HNS063DR	1.51E-02	1.64E+00	2.45E-01	1.56E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.23E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.75E-08	6.75E-02	3.64E+00	3.00E-05	0.00E+00	8.65E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.20E-08	4.36E-03	7.17E-06	1.61E+00	0.00E+00	1.48E+01	-3.28E-09	1.48E+01	1.63E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	3.38E+02
HNS064BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	7.89E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.31E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS064BR	2.16E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E+00	1.38E+01	2.96E-05	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-09	1.48E-07	8.31E-02	5.18E+00	3.05E-05	0.00E+00	1.24E+01	3.00E-01	1.99E+01	0.00E+00	1.64E-07	8.62E-08	6.14E-03	7.54E-06	2.24E+00	0.00E+00	1.99E+01	-5.90E-07	1.99E+01	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
HNS064DC	1.58E-02	1.83E+00	1.87E-01	1.67E+00	0.00E+00	0.00E+00	1.25E+01	2.19E-05	8.69E-03	1.65E-02	0.00E+00	2.21E-02	2.38E-09	1.05E-07	8.97E-02	3.70E+00	3.03E-05	0.00E+00	9.83E+00	7.99E-02	1.63E+01	0.00E+00	1.29E-07	6.91E-08	4.72E-03	5.41E-06	1.84E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.83E+01	1.84E+00	0.00E+00	0.00E+00	0.00E+00	3.43E+02
HNS064DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.97E-02	0.00E+00	1.42E-02	2.67E-09	1.44E-07	8.28E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.91E-01	1.97E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-1.50E-08	1.97E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HNS080BC	1.25E-02	1.50E+00	1.87E-01	1.34E+00	0.00E+00	0.00E+00	1.06E+01	1.82E-05	7.17E-03	1.26E-02	0.00E+00	2.14E-02	1.87E-09	7.78E-08	7.10E-02	3.06E+00	2.72E-05	0.00E+00	7.55E+00	7.22E-02	1.41E+01	0.00E+00	1.02E-07	5.58E-08	3.80E-03	4.30E-06	1.40E+00	0.00E+00	1.41E+01	2.06E-06	1.41E+01	1.48E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	2.93E+02
HNS080BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HNS080DC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.33E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HNS080DR	1.51E-02	1.64E+00	2.44E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.67E-08	6.75E-02	3.65E+00	3.00E-05	0.00E+00	8.66E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.36E-03	7.17E-06	1.62E+00	0.00E+00	1.48E+01	-3.28E-09	1.48E+01	1.63E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HNS081BC	1.58E-02	1.83E+00	1.86E-01	1.65E+00	0.00E+00	0.00E+00	1.26E+01	2.14E-05	8.69E-03	1.63E-02	0.00E+00	2.16E-02	2.29E-09	1.04E-07	8.74E-02	3.66E+00	3.02E-05	0.00E+00	9.52E+00	8.28E-02	1.63E+01	0.00E+00	1.26E-07	6.70E-08	4.65E-03	5.34E-06	1.82E+00	0.00E+00	1.63E+01	2.07E-06	1.63E+01	1.79E+01	1.82E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS081BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.12E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.91E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HNS081DC	1.58E-02	1.83E+00	1.87E-01	1.67E+00	0.00E+00	0.00E+00	1.25E+01	2.19E-05	8.69E-03	1.65E-02	0.00E+00	2.20E-02	2.38E-09	1.05E-07	8.97E-02	3.70E+00	3.03E-05	0.00E+00	9.83E+00	8.14E-02	1.63E+01	0.00E+00	1.29E-07	6.91E-08	4.72E-03	5.47E-06	1.84E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.83E+01	1.84E+00	0.00E+00	0.00E+00	0.00E+00	3.43E+02
HNS081DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.97E-02	0.00E+00	1.42E-02	2.67E-09	1.44E-07	8.28E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.97E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-1.50E-08	1.97E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HNS100BC	1.34E-02	1.63E+00	1.90E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.21E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	7.09E-02	1.49E+01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-06	1.52E+00	0.00E+00	1.49E+01	2.24E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HNS100BR	1.56E-02	1.69E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.95E-08	6.74E-02	3.73E+00	3.02E-05	0.00E+00	8.85E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-06	1.65E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HNS100DC	1.34E-02	1.63E+00	1.89E-01	1.46E+00	0.00E+00	0.00E+00	1.09E+01	1.94E-05	7.67E-03	1.33E-02	0.00E+00	2.16E-02	1.96E-09	8.22E-08	7.14E-02	3.23E+00	2.72E-05	0.00E+00	8.00E+00	7.30E-02	1.49E+01	0.00E+00	1.13E-07	6.12E-08	4.17E-03	5.34E-06	1.52E+00	0.00E+00	1.49E+01	2.16E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.13E+02
HNS100DR	1.51E-02	1.64E+00	2.44E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.17E-05	9.22E-03	1.42E-02	0.00E+00	1.40E-02	1.89E-09	9.67E-08	6.75E-02	3.65E+00	3.00E-05	0.00E+00	8.66E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.21E-08	4.36E-03	7.17E-06	1.62E+00	0.00E+00	1.48E+01	-3.28E-09	1.48E+01	1.63E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HNS101BC	1.58E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E+00	1.24E+01	2.14E-05	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.92E-02	3.66E+00	3.03E-05	0.00E+00	9.52E+00	8.04E-02	1.63E+01	0.00E+00	1.27E-07	6.72E-08	4.67E-03	5.36E-06	1.83E+00	0.00E+00	1.63E+01	2.24E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS101BR	1.93E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.12E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.53E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.91E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HNS101DC	1.58E-02	1.83E+00	1.87E-01	1.67E+00	0.00E+00	0.00E+00	1.25E+01	2.19E-05	8.69E-03	1.65E-02	0.00E+00	2.20E-02	2.38E-09	1.05E-07	8.97E-02	3.70E+00	3.03E-05	0.00E+00	9.83E+00	8.14E-02	1.63E+01	0.00E+00	1.29E-07	6.91E-08	4.72E-03	5.47E-06	1.84E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.83E+01	1.84E+00	0.00E+00	0.00E+00	0.00E+00	3.43E+02
HNS101DR	2.12E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.84E-05	1.25E-02	1.97E-02	0.00E+00	1.42E-02	2.67E-09	1.44E-07	8.28E-02	5.06E+00	3.03E-05	0.00E+00	1.20E+01	2.92E-01	1.97E+01	0.00E+00	1.61E-07	8.27E-08	6.00E-03	7.44E-06	2.19E+00	0.00E+00	1.97E+01	-1.50E-08	1.97E+01	2.22E+01	2.19E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+02
HNS102DC	1.58E-02	1.83E+00	1.87E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.69E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.99E-02	3.66E+00	3.03E-05	0.00E+00	9.53E+00	8.12E-02	1.63E+01	0.00E+00	1.27E-07	6.75E-08	4.68E-03	5.37E-06	1.83E+00	0.00E+00	1.63E+01	2.35E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS125BC	1.26E-02	1.50E+00	1.87E-01	1.34E+00	0.00E+00	0.00E+00	1.06E+01	1.82E-05	7.22E-03	1.26E-02	0.00E+00	2.14E-02	1.87E-09	7.81E-08	7.11E-02	3.07E+00	2.72E-05	0.00E+00	7.55E+00	6.95E-02	1.41E+01	0.00E+00	1.02E-07	5.59E-08	3.81E-03	4.31E-06	1.40E+00	0.00E+00	1.41E+01	2.07E-06	1.41E+01	1.48E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	2.93E+02
HNS125BR	1.56E-02	1.70E+00	2.44E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.55E-03	1.45E-02	0.00E+00	1.55E-02	1.99E-09	9.97E-08	6.74E-02	3.74E+00	3.02E-05	0.00E+00	8.86E+00	2.84E-01	1.52E+01	0.00E+00	1.23E-07	6.41E-08	4.50E-03	7.25E-06	1.66E+00	0.00E+00	1.52E+01	-5.68E-07	1.52E+01	1.67E+01	1.66E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HNS125DC	1.34E-02	1.63E+00	1.91E-01	1.47E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.69E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-09	8.22E-08	7.14E-02	3.23E+00	2.74E-05	0.00E+00	8.00E+00	6.81E-02	1.49E+01	0.00E+00	1.14E-07	6.16E-08	4.20E-03	5.37E-06	1.53E+00	0.00E+00	1.49E+01	2.33E-06	1.49E+01	1.58E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HNS125DR	1.52E-02	1.65E+00	2.45E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.18E-05	9.27E-03	1.43E-02	0.00E+00	1.40E-02	1.90E-09	9.78E-08	6.75E-02	3.66E+00	3.00E-05	0.00E+00	8.67E+00	2.84E-01	1.48E+01	0.00E+00	1.19E-07	6.22E-08	4.37E-03	7.17E-06	1.62E+00	0.00E+00	1.48E+01	-1.61E-09	1.48E+01	1.63E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+02
HNS126BC	1.58E-02	1.83E+00	1.86E-01	1.65E+00	0.00E+00	0.00E+00	1.26E+01	2.15E-05	8.73E-03	1.63E-02	0.00E+00	2.16E-02	2.29E-09	1.04E-07	8.76E-02	3.67E+00	3.02E-05	0.00E+00	9.53E+00	8.04E-02	1.63E+01	0.00E+00	1.26E-07	6.71E-08	4.66E-03	5.34E-06	1.83E+00	0.00E+00	1.63E+01	2.07E-06	1.63E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HNS126BR	1.94E-02	2.05E+00	2.47E-01	1.96E+00	0.00E+00	0.00E+00	1.35E+01	2.66E-05	1.13E-02	1.92E-02	0.00E+00	1.43E-02	2.62E-09	1.32E-07	8.07E-02	4.54E+00	3.04E-05	0.00E+00	1.13E+01	3.02E-01	1.79E+01	0.00E+00	1.45E-07	7.68E-08	5.35E-03	7.54E-06	2.09E+00	0.00E+00	1.79E+01	-6.91E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02
HNS126DC	1.62E-02	1.91E+00	1.88E-01	1.71E+00	0.00E+00	0.00E+00	1.27E+01	2.25E-05	9.04E-03	1.68E-02	0.00E+00	2.16E-02	2.43E-09	1.09E-07	8.99E-02	3.81E+00	3.03E-05	0.00E+00	9.92E+00	9.08E-02	1.65E+01	0.00E+00	1.30E-07	7.09E-08	4.84E-03	5.46E-06	1.88E+00	0.00E+00	1.65E+01	2.35E-06	1.65E+01	1.85E+01	1.88E+00	0.00E+00	0.00E+00	0.00E+00	3.56E+02
HNS126DR	2.13E-02	2.28E+00	2.47E-01	2.13E+00	0.00E+00	0.00E+00	1.35E+01	2.85E-05	1.25E-02	1.97E-02	0.00E+00	1.54E-02	2.67E-09	1.44E-07	8.29E-02	5.07E+00	3.05E-05	0.00E+00	1.20E+01	2.91E-01	1.97E+01	0.00E+00	1.61E-07	8.28E-08	6.01E-03	7.43E-06	2.20E+00	0.00E+00	1.97E+01	-1.31E-09	1.97E+01	2.22E+01	2.20E+00	0.00E+00	0.00E+00	0.00E+00	4.39E+02
HNS127DC	1.58E-02	1.83E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-09	1.04E-07	8.99E-02	3.67E+00	3.03E-05	0.00E+00	9.54E+00	7.87E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.37E-06	1.83E+00	0.00E+00	1.64E+01	2.35E-06	1.64E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HNS160BC	1.34E-02	1.60E+00	1.89E-01	1.45E+00	0.00E+00	0.00E+00	1.08E+01	1.93E-05	7.63E-03	1.31E-02	0.00E+00	2.13E-02	1.94E-09	8.11E-08	7.15E-02	3.21E+00	2.72E-05	0.00E+00	7.93E+00	6.90E-02	1.47E+01	0.00E+00	1.12E-07	6.07E-08	4.11E-03	4.67E-06	1.50E+00	0.00E+00	1.47E+01	2.07E-06	1.47E+01	1.56E+01	1.50E+00	0.00E+00	0.00E+00	0.00E+00	3.11E+02
HNS160BR	1.56E-02	1.70E+00	2.36E-01	1.62E+00	0.00E+00	0.00E+00	1.11E+01	2.24E-05	9.57E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-09	9.94E-08	6.74E-02	3.74E+00	3.02E-05	0.00E+00	8.87E+00	2.83E-01	1.52E+01	0.00E+00	1.23E-07	6.43E-08	4.50E-03	7.23E-06	1.66E+00	0.00E+00	1.52E+01	-5.60E-07	1.52E+01	1.67E+01	1.66E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HNS160DC	1.35E-02	1.63E+00	1.91E-01	1.46E+00	0.00E+00	0.00E+00	1.08E+01	1.94E-05	7.72E-03	1.32E-02	0.00E+00	2.16E-02	1.96E-09	8.19E-08	7.14E-02	3.24E+00	2.72E-05	0.00E+00	8.03E+00	7.03E-02	1.49E+01	0.00E+00	1.13E-07	6.13E-08	4.18E-03	5.36E-06	1.52E+00	0.00E+00	1.49E+01	2.08E-06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HNS160DR	1.52E-02	1.64E+00	2.38E-01	1.57E+00	0.00E+00	0.00E+00	1.10E+01	2.18E-05	9.29E-03	1.42E-02	0.00E+00	1.40E-02	1.90E-09	9.75E-08	6.76E-02	3.66E+00	3.00E-05	0.00E+00	8.68E+00	2.83E-01	1.48E+01	0.00E+00	1.20E-07	6.22E-08	4.37E-03	7.16E-06	1.62E+00	0.00E+00	1.48E+01	-5.81E-07	1.48E+01	1.64E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HNS161BC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.93E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.80E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HNS161BR	1.94E-02	2.05E+00	2.39E-01	1.96E+00	0.00E+00	0.00E+00	1.36E+01	2.67E-05	1.13E-02	1.92E-02	0.00E+00	1.44E-02	2.63E-09	1.32E-07	8.08E-02	4.55E+00	3.04E-05	0.00E+00	1.13E+01	3.01E-01	1.79E+01	0.00E+00	1.45E-07	7.71E-08	5.36E-03	7.53E-06	2.09E+00	0.00E+00	1.79E+01	-6.96E-07	1.79E+01	2.05E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+02

HNS161DC	1.59E-02	1.84E+00	1.88E-01	1.68E+00	0.00E+00	0.00E+00	1.25E+01	2.19E-05	8.75E-03	1.65E-02	0.00E+00	2.20E-02	2.39E-09	1.05E-07	8.97E-02	3.72E+00	3.03E-05	0.00E+00	9.88E+00	7.90E-02	1.64E+01	0.00E+00	1.29E-07	6.95E-08	4.74E-03	5.48E-06	1.85E+00	0.00E+00	1.64E+01	2.27E-06	1.64E+01	1.84E+01	1.85E+00	0.00E+00	0.00E+00	0.00E+00	3.44E+02
HNS161DR	2.13E-02	2.29E+00	2.39E-01	2.13E+00	0.00E+00	0.00E+00	1.36E+01	2.85E-05	1.25E-02	1.98E-02	0.00E+00	1.43E-02	2.68E-09	1.44E-07	8.31E-02	5.09E+00	3.03E-05	0.00E+00	1.20E+01	2.91E-01	1.98E+01	0.00E+00	1.62E-07	8.30E-08	6.01E-03	7.43E-06	2.20E+00	0.00E+00	1.98E+01	-5.60E-07	1.98E+01	2.22E+01	2.20E+00	0.00E+00	0.00E+00	0.00E+00	4.39E+02
HNS162DC	1.59E-02	1.84E+00	1.88E-01	1.66E+00	0.00E+00	0.00E+00	1.24E+01	2.15E-05	8.74E-03	1.62E-02	0.00E+00	2.27E-02	2.29E-09	1.04E-07	8.96E-02	3.68E+00	3.03E-05	0.00E+00	9.57E+00	7.87E-02	1.64E+01	0.00E+00	1.27E-07	6.76E-08	4.69E-03	5.38E-06	1.83E+00	0.00E+00	1.64E+01	2.25E-06	1.64E+01	1.81E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HNT050DR	2.30E-02	2.57E+00	2.40E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.03E-05	1.34E-02	2.19E-02	0.00E+00	-1.36E-02	2.99E-09	1.53E-07	1.04E-01	5.31E+00	3.21E-05	0.00E+00	1.32E+01	2.49E-01	2.18E+01	0.00E+00	1.79E-07	9.27E-08	6.37E-03	6.66E-06	2.36E+00	0.00E+00	2.18E+01	2.55E-06	2.18E+01	2.37E+01	2.36E+00	0.00E+00	0.00E+00	0.00E+00	4.80E+02
HNT051DR	2.74E-02	3.23E+00	2.77E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.15E-02	3.67E-09	1.88E-07	1.19E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.39E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.88E-03	7.83E-06	2.91E+00	0.00E+00	2.63E+01	2.63E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HNT063DR	2.30E-02	2.57E+00	2.40E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.03E-05	1.34E-02	2.19E-02	0.00E+00	-1.36E-02	2.99E-09	1.53E-07	1.04E-01	5.31E+00	3.21E-05	0.00E+00	1.32E+01	2.49E-01	2.18E+01	0.00E+00	1.79E-07	9.27E-08	6.37E-03	6.66E-06	2.36E+00	0.00E+00	2.18E+01	2.55E-06	2.18E+01	2.37E+01	2.36E+00	0.00E+00	0.00E+00	0.00E+00	4.80E+02
HNT064DR	2.74E-02	3.23E+00	2.77E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.15E-02	3.67E-09	1.88E-07	1.19E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.39E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.88E-03	7.83E-06	2.91E+00	0.00E+00	2.63E+01	2.63E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HNT100BR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.46E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.89E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HNT100DR	2.23E-02	2.30E+00	2.96E-01	2.43E+00	0.00E+00	0.00E+00	1.56E+01	2.96E-05	1.33E-02	2.30E-02	0.00E+00	-1.60E-02	2.86E-09	1.47E-07	9.62E-02	5.54E+00	3.36E-05	0.00E+00	1.24E+01	3.59E-01	2.10E+01	0.00E+00	1.79E-07	8.12E-08	6.17E-03	8.97E-06	2.38E+00	0.00E+00	2.10E+01	-7.45E-07	2.10E+01	2.30E+01	2.38E+00	0.00E+00	0.00E+00	0.00E+00	4.73E+02
HNT101BR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.40E+01	-7.38E-07	2.40E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HNT101DR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.40E+01	-7.38E-07	2.40E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HNT102DR	2.46E-02	2.92E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.01E+01	3.34E-05	1.40E-02	2.62E-02	0.00E+00	-2.15E-02	3.49E-09	1.71E-07	1.16E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.40E-01	2.40E+01	0.00E+00	1.96E-07	1.07E-07	6.96E-03	7.84E-06	2.73E+00	0.00E+00	2.40E+01	2.52E-06	2.40E+01	2.60E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.36E+02
HNT125BR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.36E-02	3.18E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.88E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HNT125DR	2.23E-02	2.29E+00	2.96E-01	2.43E+00	0.00E+00	0.00E+00	1.56E+01	2.96E-05	1.33E-02	2.30E-02	0.00E+00	-1.60E-02	2.86E-09	1.47E-07	9.61E-02	5.54E+00	3.36E-05	0.00E+00	1.24E+01	3.59E-01	2.10E+01	0.00E+00	1.79E-07	8.12E-08	6.17E-03	8.97E-06	2.38E+00	0.00E+00	2.10E+01	-7.44E-07	2.10E+01	2.30E+01	2.38E+00	0.00E+00	0.00E+00	0.00E+00	4.73E+02
HNT126BR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.79E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-7.10E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HNT126DR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.51E+00	3.42E-05	0.00E+00	1.45E+01	4.79E-01	2.40E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-7.10E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HNT127DR	2.46E-02	2.92E+00	2.77E-01	2.56E+00	0.00E+00	0.00E+00	2.01E+01	3.34E-05	1.40E-02	2.62E-02	0.00E+00	-2.15E-02	3.49E-09	1.71E-07	1.16E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.40E-01	2.40E+01	0.00E+00	1.96E-07	1.07E-07	6.96E-03	7.84E-06	2.73E+00	0.00E+00	2.40E+01	2.52E-06	2.40E+01	2.60E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.36E+02
HNT160BR	2.53E-02	2.82E+00	3.33E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.36E-02	3.19E-09	1.75E-07	1.11E-01	6.41E+00	3.42E-05	0.00E+00	1.39E+01	4.49E-01	2.27E+01	0.00E+00	1.98E-07	9.89E-08	7.13E-03	1.01E-05	2.73E+00	0.00E+00	2.27E+01	-7.76E-07	2.27E+01	2.54E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HNT160DR	2.23E-02	2.30E+00	2.96E-01	2.43E+00	0.00E+00	0.00E+00	1.56E+01	2.96E-05	1.34E-02	2.30E-02	0.00E+00	-1.60E-02	2.86E-09	1.48E-07	9.62E-02	5.55E+00	3.36E-05	0.00E+00	1.24E+01	3.59E-01	2.10E+01	0.00E+00	1.79E-07	8.12E-08	6.18E-03	8.97E-06	2.39E+00	0.00E+00	2.10E+01	-7.44E-07	2.10E+01	2.30E+01	2.39E+00	0.00E+00	0.00E+00	0.00E+00	4.74E+02
HNT161BR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.52E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.41E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.41E+01	-7.38E-07	2.41E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HNT161DR	2.62E-02	2.95E+00	3.34E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.48E-09	1.83E-07	1.12E-01	6.52E+00	3.42E-05	0.00E+00	1.45E+01	4.80E-01	2.41E+01	0.00E+00	2.10E-07	1.06E-07	7.45E-03	1.07E-05	2.83E+00	0.00E+00	2.41E+01	-7.38E-07	2.41E+01	2.69E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HNT162DR	2.47E-02	2.94E+00	2.77E-01	2.57E+00	0.00E+00	0.00E+00	2.02E+01	3.34E-05	1.40E-02	2.63E-02	0.00E+00	-2.16E-02	3.48E-09	1.72E-07	1.17E-01	5.57E+00	3.24E-05	0.00E+00	1.45E+01	3.42E-01	2.41E+01	0.00E+00	1.96E-07	1.07E-07	6.99E-03	7.93E-06	2.74E+00	0.00E+00	2.41E+01	2.47E-06	2.41E+01	2.61E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.39E+02
HNT200BR	2.52E-02	2.82E+00	3.26E-01	2.74E+00	0.00E+00	0.00E+00	1.76E+01	3.42E-05	1.47E-02	2.58E-02	0.00E+00	-2.44E-02	3.18E-09	1.75E-07	1.10E-01	6.42E+00	3.33E-05	0.00E+00	1.39E+01	4.48E-01	2.27E+01	0.00E+00	1.97E-07	9.90E-08	7.13E-03	1.01E-05	2.72E+00	0.00E+00	2.27E+01	-2.37E-07	2.27E+01	2.55E+01	2.72E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HNT200DR	2.24E-02	2.30E+00	2.88E-01	2.43E+00	0.00E+00	0.00E+00	1.56E+01	2.97E-05	1.34E-02	2.30E-02	0.00E+00	-1.67E-02	2.86E-09	1.48E-07	9.59E-02	5.55E+00	3.32E-05	0.00E+00	1.24E+01	3.60E-01	2.10E+01	0.00E+00	1.79E-07	8.13E-08	6.17E-03	8.96E-06	2.38E+00	0.00E+00	2.10E+01	-1.98E-07	2.10E+01	2.30E+01	2.38E+00	0.00E+00	0.00E+00	0.00E+00	4.73E+02
HNT201BR	2.60E-02	2.95E+00	3.27E-01	2.82E+00	0.00E+00	0.00E+00	1.91E+01	3.56E-05	1.53E-02	2.72E-02	0.00E+00	-2.54E-02	3.48E-09	1.83E-07	1.12E-01	6.52E+00	3.34E-05	0.00E+00	1.45E+01	4.77E-01	2.40E+01	0.00E+00	2.08E-07	1.06E-07	7.44E-03	1.07E-05	2.82E+00	0.00E+00	2.40E+01	-1.07E-07	2.40E+01	2.69E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	5.79E+02
HNT201DR	2.74E-02	3.22E+00	2.68E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.24E-02	3.67E-09	1.88E-07	1.19E-01	6.30E+00	3.21E-05	0.00E+00	1.58E+01	3.40E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.89E-03	7.84E-06	2.91E+00	0.00E+00	2.63E+01	2.59E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HNT202DR	2.47E-02	2.92E+00	2.68E-01	2.56E+00	0.00E+00	0.00E+00	2.01E+01	3.34E-05	1.40E-02	2.62E-02	0.00E+00	-2.24E-02	3.49E-09	1.71E-07	1.16E-01	5.58E+00	3.20E-05	0.00E+00	1.45E+01	3.41E-01	2.40E+01	0.00E+00	1.96E-07	1.07E-07	6.96E-03	7.85E-06	2.73E+00	0.00E+00	2.40E+01	2.51E-06	2.40E+01	2.61E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.36E+02
HNT250BR	2.54E-02	2.82E+00	3.24E-01	2.75E+00	0.00E+00	0.00E+00	1.77E+01	3.43E-05	1.47E-02	2.58E-02	0.00E+00	-2.35E-02	3.19E-09	1.75E-07	1.11E-01	6.42E+00	3.42E-05	0.00E+00	1.39E+01	4.47E-01	2.28E+01	0.00E+00	1.99E-07	9.93E-08	7.15E-03	1.00E-05	2.73E+00	0.00E+00	2.28E+01	-7.76E-07	2.28E+01	2.55E+01	2.73E+00	0.00E+00	0.00E+00	0.00E+00	5.56E+02
HNT250DR	1.92E-02	2.24E+00	2.15E-01	2.02E+00	0.00E+00	0.00E+00	1.39E+01	2.71E-05	1.11E-02	1.93E-02	0.00E+00	-1.84E-02	2.52E-09	1.25E-07	8.43E-02	4.35E+00	3.35E-05	0.00E+00	1.14E+01	2.43E-01	1.97E+01	0.00E+00	1.57E-07	8.23E-08	5.68E-03	6.08E-06	2.01E+00	0.00E+00	1.97E+01	2.01E-06	1.97E+01	2.18E+01	2.01E+00	0.00E+00	0.00E+00	0.00E+00	4.15E+02
HNT251BR	2.62E-02	2.95E+00	3.24E-01	2.83E+00	0.00E+00	0.00E+00	1.91E+01	3.57E-05	1.53E-02	2.73E-02	0.00E+00	-2.46E-02	3.49E-09	1.83E-07	1.12E-01	6.51E+00	3.43E-05	0.00E+00	1.45E+01	4.76E-01	2.41E+01	0.00E+00	2.10E-07	1.06E-07	7.47E-03	1.06E-05	2.83E+00	0.00E+00	2.41E+01	-7.11E-07	2.41E+01	2.70E+01	2.83E+00	0.00E+00	0.00E+00	0.00E+00	5.81E+02
HNT251DR	2.49E-02	2.83E+00	2.24E-01	2.61E+00	0.00E+00	0.00E+00	1.80E+01	3.44E-05	1.46E-02	2.48E-02	0.00E+00	-1.71E-02	3.26E-09	1.63E-07	1.07E-01	5.62E+00	3.27E-05	0.00E+00	1.47E+01	2.27E-01	2.49E+01	0.00E+00	1.98E-07	1.04E-07	7.26E-03	5.73E-06	2.60E+00	0.00E+00	2.49E+01	2.85E-06	2.49E+01	2.75E+01	2.60E+00	0.00E+00	0.00E+00	0.00E+00	5.33E+02
HNT252DR	2.47E-02	2.92E+00	2.66E-01	2.57E+00	0.00E+00	0.00E+00	2.01E+01	3.35E-05	1.40E-02	2.63E-02	0.00E+00	-2.13E-02	3.50E-09	1.71E-07	1.16E-01	5.57E+00	3.25E-05	0.00E+00	1.45E+01	3.37E-01	2.41E+01	0.00E+00	1.97E-07	1.07E-07	6.99E-03	7.77E-06	2.74E+00	0.00E+00	2.41E+01	2.53E-06	2.41E+01	2.62E+01	2.74E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HNW250DR	6.31E-02	7.13E+00	9.76E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.79E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.24E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.13E-05	6.22E+00	0.00E+00	5.57E+01	-2.79E-06	5.57E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HNW251DR	8.04E-02	8.48E+00	1.24E+00	7.23E+00	0.00E+00	0.00E+00	5.71E+01	1.08E-04	4.90E-02	6.99E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.27E-01	1.76E+01	7.68E-05	0.00E+00	4.65E+01	1.59E+00	7.39E+01	0.00E+00	5.83E-07	3.11E-07	2.11E-02	3.94E-05	8.03E+00	0.00E+00	7.39E+01	-2.18E-06	7.39E+01	8.14E+01	8.03E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HNW320BR	6.22E-02	7.03E+00	9.67E-01	6.07E+00	0.00E+00	0.00E+00	4.35E+01	8.06E-05	3.76E-02	5.62E-02	0.00E+00	-9.67E-02	8.07E-09	4.25E-07	2.51E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.23E+00	5.50E+01	0.00E+00	4.40E-07	2.33E-07	1.67E-02	3.07E-05	6.19E+00	0.00E+00	5.50E+01	-2.85E-06	5.50E+01	6.07E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HNW320DR	6.31E-02	7.13E+00	9.76E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.79E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.24E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.13E-05	6.22E+00	0.00E+00	5.57E+01	-2.79E-06	5.57E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HNW321BR	7.74E-02	8.45E+00	1.19E+00	7.26E+00	0.00E+00	0.00E+00	5.49E+01	1.02E-04	4.75E-02	6.77E-02	0.00E+00	-1.15E-01	9.85E-09	5.37E-07	3.12E-01	1.68E+01	7.55E-05	0.00E+00	4.40E+01	1.54E+00	6.91E+01	0.00E+00	5.50E-07	2.90E-07	2.05E-02	3.78E-05	7.76E+00	0.00E+00	6.91E+01	-2.56E-06	6.91E+01	7.57E+01	7.76E+00	0.00E+00	0.00E+00	0.00E+00	1.59E+03
HNW321DR	8.05E-02	8.47E+00	1.24E+00	7.22E+00	0.00E+00	0.00E+00	5.72E+01	1.09E-04	4.90E-02	6.99E-02	0.00E+00	-1.19E-01	1.03E-08	5.53E-07	3.29E-01	1.76E+01	7.68E-05	0.00E+00	4.66E+01	1.59E+00	7.42E+01	0.00E+00	5.87E-07	3.10E-07	2.11E-02	3.94E-05	8.03E+00	0.00E+00	7.42E+01	-2.23E-06	7.42E+01	8.13E+01	8.03E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HNW400DR	6.31E-02	7.12E+00	9.75E-01	6.12E+00	0.00E+00	0.00E+00	4.44E+01	8.20E-05	3.82E-02	5.79E-02	0.00E+00	-9.79E-02	8.17E-09	4.31E-07	2.54E-01	1.35E+01	7.50E-05	0.00E+00	3.56E+01	1.24E+00	5.55E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.09E-05	6.21E+00	0.00E+00	5.55E+01	-2.81E-06	5.55E+01	6.22E+01	6.21E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HNW401DR	8.05E-02	8.42E+00	1.25E+00	7.18E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.89E-02	6.95E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.66E+01	1.59E+00	7.46E+01	0.00E+00	5.88E-07	3.13E-07	2.11E-02	3.96E-05	8.06E+00	0.00E+00	7.46E+01	-1.99E-06	7.46E+01	8.18E+01	8.06E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HNW500BR	6.24E-02	7.08E+00	9.95E-01	6.10E+00	0.00E+00	0.00E+00	4.37E+01	8.10E-05	3.76E-02	5.64E-02	0.00E+00	-9.77E-02	8.04E-09	4.28E-07	2.50E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.28E+00	5.50E+01	0.00E+00	4.41E-07	2.34E-07	1.69E-02	3.14E-05	6.20E+00	0.00E+00	5.50E+01	-3.01E-06	5.50E+01	6.09E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HNW501BR	7.76E-02	8.45E+00	1.23E+00	7.24E+00	0.00E+00	0.00E+00	5.50E+01	1.03E-04	4.74E-02	6.76E-02	0.00E+00	-1.15E-01	9.82E-09	5.41E-07	3.12E-01	1.69E+01	7.55E-05	0.00E+00	4.41E+01	1.60E+00	6.94E+01	0.00E+00	5.53E-07	2.91E-07	2.07E-02	3.91E-05	7.79E+00	0.00E+00	6.94E+01	-2.61E-06	6.94E+01	7.62E+01	7.79E+00	0.00E+00	0.00E+00	0.00E+00	1.60E+03
HPW250DR	6.31E-02	7.13E+00	9.76E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.79E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.24E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.13E-05	6.22E+00	0.00E+00	5.57E+01	-2.79E-06	5.57E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HPW251DR	8.04E-02	8.48E+00	1.24E+00	7.23E+00	0.00E+00	0.00E+00	5.71E+01	1.08E-04	4.90E-02	6.99E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.27E-01	1.76E+01	7.68E-05	0.00E+00	4.65E+01	1.59E+00	7.39E+01	0.00E+00	5.83E-07	3.11E-07	2.11E-02	3.94E-05	8.03E+00	0.00E+00	7.39E+01	-2.18E-06	7.39E+01	8.14E+01	8.03E+00	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HPW320BR	6.22E-02	7.03E+00	9.67E-01	6.07E+00	0.00E+00	0.00E+00	4.35E+01	8.06E-05	3.76E-02	5.62E-02	0.00E+00	-9.67E-02	8.07E-09	4.25E-07	2.51E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.23E+00	5.50E+01	0.00E+00	4.40E-07	2.33E-07	1.67E-02	3.07E-05	6.19E+00	0.00E+00	5.50E+01	-2.85E-06	5.50E+01	6.07E+01	6.19E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HPW320DR	6.31E-02	7.13E+00	9.76E-01	6.13E+00	0.00E+00	0.00E+00	4.45E+01	8.18E-05	3.83E-02	5.80E-02	0.00E+00	-9.79E-02	8.21E-09	4.31E-07	2.55E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.24E+00	5.57E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.13E-05	6.22E+00	0.00E+00	5.57E+01	-2.79E-06	5.57E+01	6.23E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HPW321BR	7.74E-02	8.45E+00	1.19E+00	7.26E+00	0.00E+00	0.00E+00	5.49E+01	1.02E-04	4.75E-02	6.77E-02	0.00E+00	-1.15E-01	9.85E-09	5.37E-07	3.12E-01	1.68E+01	7.55E-05	0.00E+00	4.40E+01	1.54E+00	6.91E+01	0.00E+00	5.50E-07	2.90E-07	2.05E-02	3.78E-05	7.76E+00	0.00E+00	6.91E+01	-2.56E-06	6.91E+01	7.57E+01	7.76E+00	0.00E+00	0.00E+00	0.00E+00	1.59E+03
HPW321DR	8.04E-02	8.50E+00	1.24E+00	7.24E+00	0.00E+00	0.00E+00	5.71E+01	1.08E-04	4.90E-02	7.00E-02	0.00E+00	-1.18E-01	1.03E-08	5.53E-07	3.27E-01	1.76E+01	7.68E-05	0.00E+00	4.64E+01	1.59E+00	7.37E+01	0.00E+00	5.82E-07	3.09E-07	2.11E-02	3.94E-05	8.02E+00	0.00E+00	7.37E+01	-2.23E-06	7.37E+01	8.10E+01	8.02E+00	0.00E+00	0.00E+00	0.00E+00	1.68E+03
HPW400DR	6.31E-02	7.12E+00	9.75E-01	6.12E+00	0.00E+00	0.00E+00	4.44E+01	8.20E-05	3.82E-02	5.79E-02	0.00E+00	-9.79E-02	8.17E-09	4.31E-07	2.54E-01	1.35E+01	7.50E-05	0.00E+00	3.56E+01	1.24E+00	5.55E+01	0.00E+00	4.45E-07	2.41E-07	1.69E-02	3.09E-05	6.21E+00	0.00E+00	5.55E+01	-2.81E-06	5.55E+01	6.22E+01	6.21E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HPW401DR	8.05E-02	8.42E+00	1.25E+00	7.18E+00	0.00E+00	0.00E+00	5.73E+01	1.09E-04	4.89E-02	6.95E-02	0.00E+00	-1.18E-01	1.03E-08	5.54E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.66E+01	1.59E+00	7.46E+01	0.00E+00	5.88E-07	3.13E-07	2.11E-02	3.96E-05	8.06E+00	0.00E+00	7.46E+01	-1.99E-06	7.46E+01	8.18E+01	8.06E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HPW500BR	6.24E-02	7.08E+00	9.95E-01	6.10E+00	0.00E+00	0.00E+00	4.37E+01	8.10E-05	3.76E-02	5.64E-02	0.00E+00	-9.77E-02	8.04E-09	4.28E-07	2.50E-01	1.34E+01	7.39E-05	0.00E+00	3.50E+01	1.28E+00	5.50E+01	0.00E+00	4.41E-07	2.34E-07	1.69E-02	3.14E-05	6.20E+00	0.00E+00	5.50E+01	-3.01E-06	5.50E+01	6.09E+01	6.20E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HPW501BR	7.76E-02	8.45E+00	1.23E+00	7.24E+00	0.00E+00	0.00E+00	5.50E+01	1.03E-04	4.74E-02	6.76E-02	0.00E+00	-1.15E-01	9.82E-09	5.41E-07	3.12E-01	1.69E+01	7.55E-05	0.00E+00	4.41E+01	1.60E+00	6.94E+01	0.00E+00	5.53E-07	2.91E-07	2.07E-02	3.91E-05	7.79E+00	0.00E+00	6.94E+01	-2.61E-06	6.94E+01	7.62E+01	7.79E+00	0.00E+00	0.00E+00	0.00E+00	1.60E+03
HST050DR	2.27E-02	2.49E+00	2.40E-01	2.25E+00	0.00E+00	0.00E+00	1.53E+01	2.93E-05	1.31E-02	2.13E-02	0.00E+00	-1.27E-02	2.86E-09	1.49E-07	1.03E-01	5.20E+00	3.21E-05	0.00E+00	1.28E+01	2.39E-01	2.17E+01	0.00E+00	1.76E-07	8.94E-08	6.20E-03	6.57E-06	2.32E+00	0.00E+00	2.17E+01	2.52E-06	2.17E+01	2.33E+01	2.32E+00	0.00E+00	0.00E+00	0.00E+00	4.65E+02
HST051DR	2.74E-02	3.25E+00	2.77E-01	2.82E+00	0.00E+00	0.00E+00	2.06E+01	3.72E-05	1.56E-02	2.78E-02	0.00E+00	-2.16E-02	3.67E-09	1.89E-07	1.20E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.40E-01	2.64E+01	0.00E+00	2.18E-07	1.19E-07	7.91E-03	7.91E-06	2.93E+00	0.00E+00	2.64E+01	2.58E-06	2.64E+01	2.88E+01	2.93E+00	0.00E+00	0.00E+00	0.00E+00	5.96E+02
HST063DR	2.30E-02	2.57E+00	2.40E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.03E-05	1.34E-02	2.19E-02	0.00E+00	-1.36E-02	2.99E-09	1.53E-07	1.04E-01	5.31E+00	3.21E-05	0.00E+00	1.32E+01	2.49E-01	2.18E+01	0.00E+00	1.79E-07	9.27E-08	6.37E-03	6.66E-06	2.36E+00	0.00E+00	2.18E+01	2.55E-06	2.18E+01	2.37E+01	2.36E+00	0.00E+00	0.00E+00	0.00E+00	4.80E+02
HST064DR	2.74E-02	3.25E+00	2.77E-01	2.82E+00	0.00E+00	0.00E+00	2.06E+01	3.72E-05	1.56E-02	2.78E-02	0.00E+00	-2.16E-02	3.67E-09	1.89E-07	1.20E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.40E-01	2.64E+01	0.00E+00	2.18E-07	1.19E-07	7.91E-03	7.91E-06	2.93E+00	0.00E+00	2.64E+01	2.58E-06	2.64E+01	2.88E+01	2.93E+00	0.00E+00	0.00E+00	0.00E+00	5.96E+02
HST100DR	2.30E-02	2.57E+00	2.40E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.03E-05	1.34E-02	2.19E-02	0.00E+00	-1.36E-02	2.99E-09	1.53E-07	1.04E-01	5.31E+00	3.21E-05	0.00E+00	1.32E+01	2.49E-01	2.18E+01	0.00E+00	1.79E-07	9.27E-08	6.37E-03	6.66E-06	2.36E+00	0.00E+00	2.18E+01	2.55E-06	2.18E+01	2.37E+01	2.36E+00	0.00E+00	0.00E+00	0.00E+00	4.80E+02
HST101DR	2.74E-02	3.25E+00	2.77E-01	2.82E+00	0.00E+00	0.00E+00	2.06E+01	3.72E-05	1.56E-02	2.78E-02	0.00E+00	-2.16E-02	3.67E-09	1.89E-07	1.20E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.41E-01	2.64E+01	0.00E+00	2.18E-07	1.19E-07	7.91E-03	7.91E-06	2.93E+00	0.00E+00	2.64E+01	2.58E-06	2.64E+01	2.88E+01	2.93E+00	0.00E+00	0.00E+00	0.00E+00	5.96E+02
HST125DR	2.30E-02	2.57E+00	2.40E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.03E-05	1.34E-02	2.19E-02	0.00E+00	-1.36E-02	2.99E-09	1.53E-07	1.03E-01	5.31E+00	3.21E-05	0.00E+00	1.32E+01	2.49E-01	2.18E+01	0.00E+00	1.79E-07	9.27E-08	6.37E-03	6.66E-06	2.36E+00	0.00E+00	2.18E+01	2.55E-06	2.18E+01	2.37E+01	2.36E+00	0.00E+00	0.00E+00	0.00E+00	4.80E+02
HST126DR	2.49E-02	2.86E+00	2.39E-01	2.59E+00	0.00E+00	0.00E+00	1.85E+01	3.42E-05	1.45E-02	2.53E-02	0.00E+00	-1.37E-02	3.39E-09	1.65E-07	1.06E-01	5.65E+00	3.21E-05	0.00E+00	1.49E+01	2.50E-01	2.48E+01	0.00E+00	2.00E-07	1.04E-07	7.13E-03	6.67E-06	2.63E+00	0.00E+00	2.48E+01	2.63E-06	2.48E+01	2.70E+01	2.63E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HST160DR	2.30E-02	2.57E+00	2.40E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.04E-05	1.34E-02	2.20E-02	0.00E+00	-1.36E-02	2.99E-09	1.54E-07	1.04E-01	5.32E+00	3.21E-05	0.00E+00	1.32E+01	2.49E-01	2.18E+01	0.00E+00	1.80E-07	9.28E-08	6.38E-03	6.66E-06	2.37E+00	0.00E+00	2.18E+01	2.55E-06	2.18E+01	2.37E+01	2.37E+00	0.00E+00	0.00E+00	0.00E+00	4.81E+02
HST161DR	2.74E-02	3.23E+00	2.77E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.15E-02	3.67E-09	1.88E-07	1.19E-01	6.29E+00	3.25E-05	0.00E+00	1.58E+01	3.39E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.88E-03	7.83E-06	2.91E+00	0.00E+00	2.63E+01	2.63E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HST200DR	2.31E-02	2.57E+00	2.30E-01	2.30E+00	0.00E+00	0.00E+00	1.56E+01	3.04E-05	1.34E-02	2.20E-02	0.00E+00	-1.45E-02	2.99E-09	1.54E-07	1.03E-01	5.34E+00	3.16E-05	0.00E+00	1.32E+01	2.52E-01	2.18E+01	0.00E+00	1.80E-07	9.29E-08	6.39E-03	6.68E-06	2.37E+00	0.00E+00	2.18E+01	2.51E-06	2.18E+01	2.38E+01	2.37E+00	0.00E+00	0.00E+00	0.00E+00	4.81E+02
HST201DR	2.74E-02	3.22E+00	2.68E-01	2.81E+00	0.00E+00	0.00E+00	2.04E+01	3.72E-05	1.56E-02	2.76E-02	0.00E+00	-2.24E-02	3.67E-09	1.88E-07	1.19E-01	6.30E+00	3.21E-05	0.00E+00	1.58E+01	3.40E-01	2.63E+01	0.00E+00	2.18E-07	1.18E-07	7.89E-03	7.84E-06	2.91E+00	0.00E+00	2.63E+01	2.59E-06	2.63E+01	2.87E+01	2.91E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HST250DR	2.31E-02	2.58E+00	2.28E-01	2.31E+00	0.00E+00	0.00E+00	1.56E+01	3.05E-05	1.34E-02	2.20E-02	0.00E+00	-1.34E-02	3.00E-09	1.54E-07	1.04E-01	5.32E+00	3.21E-05	0.00E+00	1.32E+01	2.46E-01	2.19E+01	0.00E+00	1.81E-07	9.31E-08	6.41E-03	6.59E-06	2.37E+00	0.00E+00	2.19E+01	2.57E-06	2.19E+01	2.39E+01	2.37E+00	0.00E+00	0.00E+00	0.00E+00	4.82E+02
HST251DR	2.74E-02	3.24E+00	2.66E-01	2.82E+00	0.00E+00	0.00E+00	2.05E+01	3.73E-05	1.56E-02	2.77E-02	0.00E+00	-2.13E-02	3.68E-09	1.88E-07	1.19E-01	6.27E+00	3.26E-05	0.00E+00	1.59E+01	3.36E-01	2.64E+01	0.00E+00	2.19E-07	1.19E-07	7.92E-03	7.75E-06	2.92E+00	0.00E+00	2.64E+01	2.65E-06	2.64E+01	2.89E+01	2.92E+00	0.00E+00	0.00E+00	0.00E+00	5.96E+02
HEJ630DE	6.34E-02	7.19E+00	1.01E+00	6.16E+00	0.00E+00	0.00E+00	4.47E+01	8.24E-05	3.82E-02	5.81E-02	0.00E+00	-9.92E-02	8.19E-09	4.33E-07	2.54E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.29E+00	5.58E+01	0.00E+00	4.46E-07	2.42E-07	1.71E-02	3.21E-05	6.22E+00	0.00E+00	5.58E+01	-2.68E-06	5.58E+01	6.27E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+03
HEJ631DE	8.10E-02	8.51E+00	1.30E+00	7.20E+00	0.00E+00	0.00E+00	5.76E+01	1.11E-04	4.91E-02	6.97E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.30E-01	1.78E+01	7.68E-05	0.00E+00	4.69E+01	1.68E+00	7.55E+01	0.00E+00	5.93E-07	3.14E-07	2.12E-02	4.14E-05	8.13E+00	0.00E+00	7.55E+01	-1.70E-06	7.55E+01	8.33E+01	8.13E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HEJ631EE	8.06E-02	8.52E+00	1.29E+00	7.23E+00	0.00E+00	0.00E+00	5.75E+01	1.10E-04	4.90E-02	6.98E-02	0.00E+00	-1.18E-01	1.03E-08	5.58E-07	3.30E-01	1.77E+01	7.63E-05	0.00E+00	4.68E+01	1.67E+00	7.50E+01	0.00E+00	5.90E-07	3.13E-07	2.12E-02	4.09E-05	8.11E+00	0.00E+00	7.50E+01	-7.60E-07	7.50E+01	8.30E+01	8.11E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HEJ632DE	8.10E-02	8.50E+00	1.29E+00	7.20E+00	0.00E+00	0.00E+00	5.76E+01	1.11E-04	4.90E-02	6.97E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.30E-01	1.78E+01	7.68E-05	0.00E+00	4.69E+01	1.67E+00	7.55E+01	0.00E+00	5.93E-07	3.14E-07	2.12E-02	4.12E-05	8.12E+00	0.00E+00	7.55E+01	-1.70E-06	7.55E+01	8.33E+01	8.12E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HEW630DE	6.34E-02	7.19E+00	1.01E+00	6.17E+00	0.00E+00	0.00E+00	4.47E+01	8.24E-05	3.83E-02	5.82E-02	0.00E+00	-9.92E-02	8.19E-09	4.33E-07	2.54E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.29E+00	5.57E+01	0.00E+00	4.47E-07	2.42E-07	1.71E-02	3.21E-05	6.23E+00	0.00E+00	5.57E+01	-2.98E-06	5.57E+01	6.25E+01	6.23E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+03
HEW631DE	8.10E-02	8.54E+00	1.30E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	7.00E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.13E-02	4.14E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HEW632DE	8.09E-02	8.53E+00	1.29E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	6.99E-02	0.00E+00	-1.19E-01	1.03E-08	5.58E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.12E-02	4.12E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HHJ630DE	6.34E-02	7.19E+00	1.01E+00	6.16E+00	0.00E+00	0.00E+00	4.47E+01	8.24E-05	3.82E-02	5.81E-02	0.00E+00	-9.92E-02	8.19E-09	4.33E-07	2.54E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.29E+00	5.58E+01	0.00E+00	4.46E-07	2.42E-07	1.71E-02	3.21E-05	6.22E+00	0.00E+00	5.58E+01	-2.68E-06	5.58E+01	6.27E+01	6.22E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+03
HHJ631EE	8.06E-02	8.52E+00	1.29E+00	7.23E+00	0.00E+00	0.00E+00	5.75E+01	1.10E-04	4.90E-02	6.98E-02	0.00E+00	-1.18E-01	1.03E-08	5.58E-07	3.30E-01	1.77E+01	7.63E-05	0.00E+00	4.68E+01	1.67E+00	7.50E+01	0.00E+00	5.90E-07	3.13E-07	2.12E-02	4.09E-05	8.11E+00	0.00E+00	7.50E+01	-7.60E-07	7.50E+01	8.30E+01	8.11E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HHJ632DE	8.10E-02	8.50E+00	1.29E+00	7.20E+00	0.00E+00	0.00E+00	5.76E+01	1.11E-04	4.90E-02	6.97E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.30E-01	1.78E+01	7.68E-05	0.00E+00	4.69E+01	1.67E+00	7.55E+01	0.00E+00	5.93E-07	3.14E-07	2.12E-02	4.12E-05	8.12E+00	0.00E+00	7.55E+01	-1.70E-06	7.55E+01	8.33E+01	8.12E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HHW630DE	6.34E-02	7.19E+00	1.01E+00	6.17E+00	0.00E+00	0.00E+00	4.47E+01	8.24E-05	3.83E-02	5.82E-02	0.00E+00	-9.92E-02	8.19E-09	4.33E-07	2.54E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.29E+00	5.57E+01	0.00E+00	4.47E-07	2.42E-07	1.71E-02	3.21E-05	6.23E+00	0.00E+00	5.57E+01	-2.98E-06	5.57E+01	6.25E+01	6.23E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+03
HHW631DE	8.10E-02	8.54E+00	1.30E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	7.00E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.13E-02	4.14E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HHW632DE	8.09E-02	8.53E+00	1.29E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	6.99E-02	0.00E+00	-1.19E-01	1.03E-08	5.58E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.12E-02	4.12E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HMJ631DE	8.10E-02	8.51E+00	1.30E+00	7.20E+00	0.00E+00	0.00E+00	5.76E+01	1.11E-04	4.91E-02	6.97E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.30E-01	1.78E+01	7.68E-05	0.00E+00	4.69E+01	1.68E+00	7.55E+01	0.00E+00	5.93E-07	3.14E-07	2.12E-02	4.14E-05	8.13E+00	0.00E+00	7.55E+01	-1.70E-06	7.55E+01	8.33E+01	8.13E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HMJ631EE	8.06E-02	8.52E+00	1.29E+00	7.23E+00	0.00E+00	0.00E+00	5.75E+01	1.10E-04	4.90E-02	6.98E-02	0.00E+00	-1.18E-01	1.03E-08	5.58E-07	3.30E-01	1.77E+01	7.63E-05	0.00E+00	4.68E+01	1.67E+00	7.50E+01	0.00E+00	5.90E-07	3.13E-07	2.12E-02	4.09E-05	8.11E+00	0.00E+00	7.50E+01	-7.60E-07	7.50E+01	8.30E+01	8.11E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HMJ632DE	8.10E-02	8.50E+00	1.29E+00	7.20E+00	0.00E+00	0.00E+00	5.76E+01	1.11E-04	4.90E-02	6.97E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.30E-01	1.78E+01	7.68E-05	0.00E+00	4.69E+01	1.67E+00	7.55E+01	0.00E+00	5.93E-07	3.14E-07	2.12E-02	4.12E-05	8.12E+00	0.00E+00	7.55E+01	-1.70E-06	7.55E+01	8.33E+01	8.12E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HMW630DE	6.34E-02	7.19E+00	1.01E+00	6.17E+00	0.00E+00	0.00E+00	4.47E+01	8.24E-05	3.83E-02	5.82E-02	0.00E+00	-9.92E-02	8.19E-09	4.33E-07	2.54E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.29E+00	5.57E+01	0.00E+00	4.47E-07	2.42E-07	1.71E-02	3.21E-05	6.23E+00	0.00E+00	5.57E+01	-2.98E-06	5.57E+01	6.25E+01	6.23E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+03
HMW631DE	8.10E-02	8.54E+00	1.30E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	7.00E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.13E-02	4.14E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HMW632DE	8.09E-02	8.53E+00	1.29E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	6.99E-02	0.00E+00	-1.19E-01	1.03E-08	5.58E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.12E-02	4.12E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03

	HNJ631EE	8.06E-02	8.52E+00	1.29E+00	7.23E+00	0.00E+00	0.00E+00	5.75E+01	1.10E-04	4.90E-02	6.98E-02	0.00E+00	-1.18E-01	1.03E-08	5.58E-07	3.30E-01	1.77E+01	7.63E-05	0.00E+00	4.68E+01	1.67E+00	7.50E+01	0.00E+00	5.90E-07	3.13E-07	2.12E-02	4.09E-05	8.11E+00	0.00E+00	7.50E+01	-7.60E-07	7.50E+01	8.30E+01	8.11E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
	HNJ632DE	8.10E-02	8.50E+00	1.29E+00	7.20E+00	0.00E+00	0.00E+00	5.76E+01	1.11E-04	4.90E-02	6.97E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.30E-01	1.78E+01	7.68E-05	0.00E+00	4.69E+01	1.67E+00	7.55E+01	0.00E+00	5.93E-07	3.14E-07	2.12E-02	4.12E-05	8.12E+00	0.00E+00	7.55E+01	-1.70E-06	7.55E+01	8.33E+01	8.12E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+03
	HNW630DE	6.34E-02	7.19E+00	1.01E+00	6.17E+00	0.00E+00	0.00E+00	4.47E+01	8.24E-05	3.83E-02	5.82E-02	0.00E+00	-9.92E-02	8.19E-09	4.33E-07	2.54E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.29E+00	5.57E+01	0.00E+00	4.47E-07	2.42E-07	1.71E-02	3.21E-05	6.23E+00	0.00E+00	5.57E+01	-2.98E-06	5.57E+01	6.25E+01	6.23E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+03
	HNW631DE	8.10E-02	8.54E+00	1.30E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	7.00E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.13E-02	4.14E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
	HNW632DE	8.09E-02	8.53E+00	1.29E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	6.99E-02	0.00E+00	-1.19E-01	1.03E-08	5.58E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.12E-02	4.12E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
	HPW630DE	6.34E-02	7.19E+00	1.01E+00	6.17E+00	0.00E+00	0.00E+00	4.47E+01	8.24E-05	3.83E-02	5.82E-02	0.00E+00	-9.92E-02	8.19E-09	4.33E-07	2.54E-01	1.36E+01	7.50E-05	0.00E+00	3.57E+01	1.29E+00	5.57E+01	0.00E+00	4.47E-07	2.42E-07	1.71E-02	3.21E-05	6.23E+00	0.00E+00	5.57E+01	-2.98E-06	5.57E+01	6.25E+01	6.23E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+03
	HPW631DE	8.10E-02	8.54E+00	1.30E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	7.00E-02	0.00E+00	-1.19E-01	1.03E-08	5.59E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.13E-02	4.14E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
	HPW632DE	8.09E-02	8.53E+00	1.29E+00	7.23E+00	0.00E+00	0.00E+00	5.74E+01	1.10E-04	4.91E-02	6.99E-02	0.00E+00	-1.19E-01	1.03E-08	5.58E-07	3.29E-01	1.77E+01	7.68E-05	0.00E+00	4.67E+01	1.67E+00	7.47E+01	0.00E+00	5.91E-07	3.12E-07	2.12E-02	4.12E-05	8.07E+00	0.00E+00	7.47E+01	-2.30E-06	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
Module D	HDA100U	-1.25E-02	-2.90E-01	2.81E-03	-2.93E-01	0.00E+00	0.00E+00	-3.37E+00	-1.59E-03	2.05E-03	-1.05E-02	0.00E+00	0.00E+00	-6.65E-09	-1.51E-07	-4.80E-04	-2.33E+00	0.00E+00	0.00E+00	-4.35E+00	0.00E+00	-4.56E+00	0.00E+00	-9.70E-09	-6.27E-08	-4.13E-03	0.00E+00	-4.81E-01	0.00E+00	-4.56E+00	-6.08E-05	-4.56E+00	-5.04E+00	-4.81E-01	0.00E+00	0.00E+00	0.00E+00	-1.92E+02
	HDA014E	-2.25E-02	-2.19E-02	2.41E-03	-2.43E-02	0.00E+00	0.00E+00	-3.59E+00	-2.31E-03	-8.92E-04	-1.16E-02	0.00E+00	0.00E+00	-2.42E-09	-2.66E-07	6.41E-03	-1.92E+00	0.00E+00	0.00E+00	-2.81E+00	0.00E+00	5.41E-01	0.00E+00	7.84E-09	-3.51E-08	-3.31E-03	0.00E+00	-2.40E-01	0.00E+00	5.41E-01	-6.94E-05	5.41E-01	3.01E-01	-2.40E-01	0.00E+00	0.00E+00	0.00E+00	-1.30E+02
	HDA014Z	-7.09E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.47E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.15E-07	3.11E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.26E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
	HDA015Z	-5.27E-02	-1.01E+00	-1.30E-02	-8.80E-01	0.00E+00	0.00E+00	-1.28E+01	-4.59E-03	-1.47E-03	-3.30E-02	0.00E+00	-2.53E-07	-1.71E-08	-6.79E-07	3.10E-03	-8.98E+00	0.00E+00	0.00E+00	-1.12E+01	-9.04E-05	-1.38E+01	0.00E+00	-5.71E-08	-2.20E-07	-9.83E-03	-6.15E-08	-2.54E+00	0.00E+00	-1.38E+01	-1.73E-04	-1.38E+01	-1.46E+01	-2.54E+00	0.00E+00	0.00E+00	0.00E+00	-5.30E+02
	HDA016L	-2.26E-02	1.26E-02	3.72E-04	-1.31E-02	0.00E+00	0.00E+00	-3.61E+00	-2.53E-03	1.70E-03	-1.26E-02	0.00E+00	0.00E+00	-6.44E-09	-2.68E-07	4.82E-03	-3.45E+00	0.00E+00	0.00E+00	-4.10E+00	0.00E+00	8.32E-02	0.00E+00	1.56E-08	-7.32E-08	-4.48E-03	0.00E+00	-6.75E-01	0.00E+00	8.32E-02	-7.34E-05	8.32E-02	-1.79E-01	-6.75E-01	0.00E+00	0.00E+00	0.00E+00	-1.98E+02
	HDA016Z	-2.70E-02	-1.01E-01	-1.29E-03	-1.05E-01	0.00E+00	0.00E+00	-4.63E+00	-2.58E-03	2.92E-04	-1.29E-02	0.00E+00	0.00E+00	-5.20E-09	-3.05E-07	3.32E-03	-3.02E+00	0.00E+00	0.00E+00	-4.23E+00	0.00E+00	-1.17E+00	0.00E+00	4.47E-09	-5.05E-08	-3.79E-03	0.00E+00	-5.03E-01	0.00E+00	-1.17E+00	-7.36E-05	-1.17E+00	-1.45E+00	-5.03E-01	0.00E+00	0.00E+00	0.00E+00	-1.97E+02
	HDA017L	-4.67E-02	1.84E-01	7.41E-03	1.86E-01	0.00E+00	0.00E+00	-7.42E+00	-5.35E-03	9.29E-05	-2.37E-02	0.00E+00	0.00E+00	-7.98E-09	-5.72E-07	2.01E-02	-6.04E+00	0.00E+00	0.00E+00	-8.29E+00	0.00E+00	2.91E+00	0.00E+00	3.38E-08	-9.44E-08	-8.26E-03	0.00E+00	-1.19E+00	0.00E+00	2.91E+00	-1.57E-04	2.91E+00	2.33E+00	-1.19E+00	0.00E+00	0.00E+00	0.00E+00	-3.91E+02
	HDA017Z	-3.29E-02	4.24E-02	9.86E-03	4.74E-02	0.00E+00	0.00E+00	-5.17E+00	-3.99E-03	1.61E-03	-1.83E-02	0.00E+00	0.00E+00	-6.69E-09	-4.23E-07	1.83E-02	-4.42E+00	0.00E+00	0.00E+00	-6.77E+00	0.00E+00	7.06E-01	0.00E+00	2.08E-08	-7.75E-08	-6.22E-03	0.00E+00	-8.04E-01	0.00E+00	7.06E-01	-1.18E-04	7.06E-01	2.54E-01	-8.04E-01	0.00E+00	0.00E+00	0.00E+00	-2.84E+02
	HDA018E	-4.61E-02	-1.87E-01	-7.71E-03	-1.84E-01	0.00E+00	0.00E+00	-8.15E+00	-4.23E-03	1.24E-04	-1.89E-02	0.00E+00	0.00E+00	-4.47E-09	-5.86E-07	3.35E-03	-2.61E+00	0.00E+00	0.00E+00	-7.34E+00	0.00E+00	-2.14E+00	0.00E+00	-5.97E-09	-6.21E-08	-5.96E-03	0.00E+00	-6.51E-01	0.00E+00	-2.14E+00	-1.37E-04	-2.14E+00	-2.42E+00	-6.51E-01	0.00E+00	0.00E+00	0.00E+00	-2.90E+02
	HDA018Z	-7.09E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.47E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.15E-07	3.11E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.26E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
	HDA019Z	-5.27E-02	-9.89E-01	-1.30E-02	-8.62E-01	0.00E+00	0.00E+00	-1.28E+01	-4.59E-03	-1.49E-03	-3.30E-02	0.00E+00	-2.53E-07	-1.71E-08	-6.79E-07	3.40E-03	-8.86E+00	0.00E+00	0.00E+00	-1.12E+01	-9.04E-05	-1.38E+01	0.00E+00	-5.63E-08	-2.20E-07	-9.83E-03	-6.15E-08	-2.54E+00	0.00E+00	-1.38E+01	-1.73E-04	-1.38E+01	-1.45E+01	-2.54E+00	0.00E+00	0.00E+00	0.00E+00	-5.30E+02
	HDA020L	-2.58E-02	-1.60E-02	-5.01E-04	-4.51E-02	0.00E+00	0.00E+00	-5.04E+00	-2.66E-03	1.48E-03	-1.31E-02	0.00E+00	0.00E+00	-6.71E-09	-2.95E-07	2.96E-03	-3.60E+00	0.00E+00	0.00E+00	-4.72E+00	0.00E+00	1.74E-02	0.00E+00	1.43E-08	-7.67E-08	-4.98E-03	0.00E+00	-7.15E-01	0.00E+00	1.74E-02	-7.97E-05	1.74E-02	-3.21E-01	-7.15E-01	0.00E+00	0.00E+00	0.00E+00	-2.36E+02
	HDA020Z	-2.74E-02	-1.31E-01	-1.43E-03	-1.38E-01	0.00E+00	0.00E+00	-4.63E+00	-2.63E-03	3.07E-04	-1.31E-02	0.00E+00	0.00E+00	-5.85E-09	-3.12E-07	2.40E-03	-3.22E+00	0.00E+00	0.00E+00	-4.23E+00	0.00E+00	-1.62E+00	0.00E+00	2.00E-09	-5.22E-08	-3.77E-03	0.00E+00	-5.70E-01	0.00E+00	-1.62E+00	-7.45E-05	-1.62E+00	-2.05E+00	-5.70E-01	0.00E+00	0.00E+00	0.00E+00	-1.97E+02
	HDA021L	-4.72E-02	1.84E-01	7.41E-03	1.86E-01	0.00E+00	0.00E+00	-7.42E+00	-5.40E-03	-1.71E-04	-2.37E-02	0.00E+00	0.00E+00	-8.13E-09	-5.77E-07	1.97E-02	-6.16E+00	0.00E+00	0.00E+00	-8.34E+00	0.00E+00	2.92E+00	0.00E+00	3.38E-08	-9.63E-08	-8.41E-03	0.00E+00	-1.26E+00	0.00E+00	2.92E+00	-1.59E-04	2.92E+00	2.33E+00	-1.26E+00	0.00E+00	0.00E+00	0.00E+00	-3.91E+02
	HDA021Z	-3.14E-02	-6.92E-02	1.19E-02	-3.40E-02	0.00E+00	0.00E+00	-4.14E+00	-4.10E-03	2.98E-03	-1.81E-02	0.00E+00	0.00E+00	-6.58E-09	-4.13E-07	1.87E-02	-5.14E+00	0.00E+00	0.00E+00	-6.09E+00	0.00E+00	1.05E-01	0.00E+00	2.07E-08	-7.32E-08	-6.03E-03	0.00E+00	-6.54E-01	0.00E+00	1.05E-01	-1.16E-04	1.05E-01	-4.94E-01	-6.54E-01	0.00E+00	0.00E+00	0.00E+00	-2.49E+02
	HDA023E	-4.61E-02	-1.87E-01	-7.71E-03	-1.84E-01	0.00E+00	0.00E+00	-8.15E+00	-4.23E-03	1.24E-04	-1.89E-02	0.00E+00	0.00E+00	-4.47E-09	-5.86E-07	3.34E-03	-2.61E+00	0.00E+00	0.00E+00	-7.34E+00	0.00E+00	-2.14E+00	0.00E+00	-5.97E-09	-6.21E-08	-5.96E-03	0.00E+00	-6.51E-01	0.00E+00	-2.14E+00	-1.37E-04	-2.14E+00	-2.42E+00	-6.51E-01	0.00E+00	0.00E+00	0.00E+00	-2.90E+02
	HDA023Z	-7.09E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.46E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.15E-07	3.06E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.26E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
	HDA024Z	-5.27E-02	-9.89E-01	-1.30E-02	-8.62E-01	0.00E+00	0.00E+00	-1.28E+01	-4.59E-03	-1.49E-03	-3.30E-02	0.00E+00	-2.53E-07	-1.72E-08	-6.82E-07	3.23E-03	-8.86E+00	0.00E+00	0.00E+00	-1.12E+01	-9.04E-05	-1.38E+01	0.00E+00	-5.63E-08	-2.20E-07	-9.83E-03	-6.15E-08	-2.54E+00	0.00E+00	-1.38E+01	-1.73E-04	-1.38E+01	-1.45E+01	-2.54E+00	0.00E+00	0.00E+00	0.00E+00	-5.30E+02
	HDA025L	-4.64E-02	-8.48E-02	3.92E-04	-1.19E-01	0.00E+00	0.00E+00	-8.28E+00	-4.44E-03	1.78E-03	-2.02E-02	0.00E+00	0.00E+00	-7.00E-09	-5.65E-07	3.35E-03	-3.71E+00	0.00E+00	0.00E+00	-7.60E+00	0.00E+00	-6.13E-01	0.00E+00	1.32E-08	-9.24E-08	-7.08E-03	0.00E+00	-7.48E-01	0.00E+00	-6.13E-01	-1.45E-04	-6.13E-01	-9.00E-01	-7.48E-01	0.00E+00	0.00E+00	0.00E+00	-3.26E+02
	HDA025U	2.92E-03	-1.40E-01	9.76E-03	-1.49E-01	0.00E+00	0.00E+00	6.84E-01	-2.01E-04	3.57E-03	-2.01E-03	0.00E+00	0.00E+00	-4.89E-09	2.39E-08	6.22E-03	-7.00E-01	0.00E+00	0.00E+00	-1.01E+00	0.00E+00	-2.70E+00	0.00E+00	3.09E-09	-3.35E-08	-1.72E-03	0.00E+00	-7.17E-02	0.00E+00	-2.70E+00	-1.06E-05	-2.70E+00	-2.77E+00	-7.17E-02	0.00E+00	0.00E+00	0.00E+00	-5.23E+01
	HDA025Z	-1.97E-02	-1.15E-01	4.94E-03	-1.26E-01	0.00E+00	0.00E+00	-2.34E+00	-2.08E-03	1.85E-03	-1.10E-02	0.00E+00	0.00E+00	-5.41E-09	-2.34E-07	5.72E-03	-2.95E+00	0.00E+00	0.00E+00	-3.00E+00	0.00E+00	-1.47E+00	0.00E+00	4.63E-09	-4.44E-08	-3.13E-03	0.00E+00	-3.83E-01	0.00E+00	-1.47E+00	-5.88E-05	-1.47E+00	-1.87E+00	-3.83E-01	0.00E+00	0.00E+00	0.00E+00	-1.40E+02
	HDA026L	-4.66E-02	7.96E-02	1.28E-02	9.43E-02	0.00E+00	0.00E+00	-6.70E+00	-5.41E-03	7.73E-04	-2.44E-02	0.00E+00	0.00E+00	-8.02E-09	-5.57E-07	2.36E-02	-6.23E+00	0.00E+00	0.00E+00	-7.67E+00	0.00E+00	2.42E+00	0.00E+00	3.58E-08	-9.33E-08	-8.28E-03	0.00E+00	-1.12E+00	0.00E+00	2.42E+00	-1.53E-04	2.42E+00	1.72E+00	-1.12E+00	0.00E+00	0.00E+00	0.00E+00	-3.75E+02
	HDA026U	-3.79E-02	-3.12E-01	1.22E-02	-2.14E-01	0.00E+00	0.00E+00	-6.35E+00	-4.67E-03	3.09E-03	-2.38E-02	0.00E+00	0.00E+00	-7.69E-09	-4.69E-07	1.79E-02	-5.52E+00	0.00E+00	0.00E+00	-8.10E+00	0.00E+00	-1.37E+00	0.00E+00	1.22E-08	-8.67E-08	-7.57E-03	0.00E+00	-7.52E-01	0.00E+00	-1.37E+00	-1.44E-04	-1.37E+00	-2.48E+00	-7.52E-01	0.00E+00	0.00E+00	0.00E+00	-3.32E+02
	HDA026Z	-8.95E-02	-1.04E+00	-4.02E-03	-9.07E-01	0.00E+00	0.00E+00	-2.03E+01	-8.38E-03	-3.83E-03	-5.23E-02	0.00E+00	-2.53E-07	-2.18E-08	-1.08E-06	1.30E-02	-1.29E+01	0.00E+00	0.00E+00	-1.48E+01	-9.04E-05	-1.46E+01	0.00E+00	-5.44E-08	-2.78E-07	-1.64E-02	-6.15E-08	-2.90E+00	0.00E+00	-1.46E+01	-2.81E-04	-1.46E+01	-1.67E+01	-2.90E+00	0.00E+00	0.00E+00	0.00E+00	-7.59E+02
	HDA030E	-2.49E-02	-3.76E-01	-8.35E-03	-3.68E-01	0.00E+00	0.00E+00	-6.63E+00	-2.43E-03	-1.23E-03	-1.55E-02	0.00E+00	0.00E+00	-5.70E-09	-2.83E-07	-8.32E-03	-3.48E+00	0.00E+00	0.00E+00	-6.75E+00	0.00E+00	-4.66E+00	0.00E+00	-2.03E-08	-6.71E-08	-4.99E-03	0.00E+00	-8.45E-01	0.00E+00	-4.66E+00	-7.63E-05	-4.66E+00	-5.50E+00	-8.45E-01	0.00E+00	0.00E+00	0.00E+00	-2.88E+02
	HDA030Z	-7.12E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.49E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.18E-07	3.09E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.27E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
	HDA032L	-3.25E-02	7.44E-02	3.21E-03	6.87E-02	0.00E+00	0.00E+00	-3.81E+00	-3.66E-03	1.07E-03	-1.33E-02	0.00E+00	0.00E+00	-4.87E-09	-3.97E-07	1.15E-02	-3.17E+00	0.00E+00	0.00E+00	-3.61E+00	0.00E+00	1.58E+00	0.00E+00	2.07E-08	-6.69E-08	-4.85E-03	0.00E+00	-6.23E-01	0.00E+00	1.58E+00	-1.07E-04	1.58E+00	1.06E+00	-6.23E-01	0.00E+00	0.00E+00	0.00E+00	-2.01E+02
	HDA032Z	-4.16E-02	2.11E-02	1.01E-02	1.10E-02	0.00E+00	0.00E+00	-5.78E+00	-4.43E-03	-7.08E-04	-2.15E-02	0.00E+00	0.00E+00	-4.30E-09	-4.98E-07	1.77E-02	-4.46E+00	0.00E+00	0.00E+00	-4.32E+00	0.00E+00	2.17E+00	0.00E+00	2.38E-08	-6.25E-08	-6.06E-03	0.00E+00	-4.54E-01	0.00E+00	2.17E+00	-1.27E-04	2.17E+00	1.71E+00	-4.54E-01	0.00E+00	0.00E+00	0.00E+00	-2.09E+02
	HDA033L	-4.62E-02	9.26E-02	1.50E-02	5.61E-02	0.00E+00	0.00E+00	-6.65E+00	-5.53E-03	2.44E-03	-2.41E-02	0.00E+00	0.00E+00	-5.85E-09	-5.66E-07	2.43E-02	-6.06E+00	0.00E+00	0.00E+00	-8.11E+00	0.00E+00	2.02E+00	0.00E+00	3.49E-08	-7.61E-08	-8.22E-03	0.00E+00	-9.71E-01	0.00E+00	2.02E+00	-1.62E-04	2.02E+00	1.48E+00	-9.71E-01	0.00E+00	0.00E+00	0.00E+00	-3.76E+02
	HDA033Z	-3.41E-02	-8.32E-02	1.50E-02	-1.12E-01	0.00E+00	0.00E+00	-4.75E+00	-4.44E-03	2.51E-03	-1.88E-02	0.00E+00	0.00E+00	-4.30E-09	-4.41E-07	2.19E-02	-4.72E+00	0.00E+00	0.00E+00	-6.58E+00	0.00E+00	-3.62E-01	0.00E+00	1.89E-08	-5.51E-08	-5.80E-03	0.00E+00	-5.89E-01	0.00E+00	-3.62E-01	-1.26E-04	-3.62E-01	-8.82E-01	-5.89E-01	0.00E+00	0.00E+00	0.00E+00	-2.51E+02
	HDA038Z	-7.12E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.48E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.18E-07	3.05E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.27E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
	HDA040L	-5.46E-02	-1.71E-02	2.97E-03	-4.02E-02	0.00E+00	0.00E+00	-7.17E+00	-5.47E-03	1.08E-03	-2.07E-02	0.00E+00	0.00E+00	-5.24E-09	-6.70E-07	1.14E-02	-3.59E+00	0.00E+00	0.00E+00	-6.65E+00	0.00E+00	8.89E-01	0.00E+00	1.76E-08	-8.29E-08	-7.11E-03	0.00E+00	-7.54E-01	0.00E+00	8.89E-01	-1.70E-04	8.89E-01	3.80E-01	-7.54E-01	0.00E+00	0.00E+00	0.00E+00	-2.95E+02
	HDA040U	-5.72E-02	7.84E-02	6.10E-04	7.78E-02	0.00E+00	0.00E+00	-1.02E+01	-5.84E-03	-2.20E-03	-2.87E-02	0.00E+00	0.00E+00	-7.66E-09	-6.76E-07	1.18E-02	-5.39E+00	0.00E+00	0.00E+00	-1.00E+01	0.00E+00	-1.42E-01	0.00E+00	1.45E-08	-9.65E-08	-8.35E-03	0.00E+00	-9.60E-01	0.00E+00	-1.42E-01	-1.80E-04	-1.42E-01	-1.10E+00	-9.60E-01	0.00E+00	0.00E+00	0.00E+00	-4.52E+02
	HDA040Z	-5.16E-02	-9.39E-01	-7.75E-03	-8.50E-01	0.00E+00	0.00E+00	-1.06E+01	-4.39E-03	-2.71E-04	-3.00E-02	0.00E+00	-2.53E-07	-1.80E-08	-6.25E-07	1.95E-03	-9.60E+00	0.00E+00	0.00E+00	-1.02E+01	-9.04E-05	-1.36E+01	0.00E+00	-5.41E-08	-2.22E-07	-9.60E-03	-6.15E-08	-2.59E+00	0.00E+00	-1.36E+01	-1.68E-04	-1.36E+01	-1.50E+01	-2.59E+00	0.00E+00	0.00E+00	0.00E+00	-4.78E+02
	HDA041L	-4.83E-02	1.91E-01	9.72E-03	1.84E-01	0.00E+00	0.00E+00	-7.46E+00	-5.66E-03	9.42E-05	-2.34E-02	0.00E+00	0.00E+00	-5.56E-09	-5.77E-07	2.17E-02	-6.06E+00	0.00E+00	0.00E+00	-8.41E+00	0.00E+00	2.53E+00	0.00E+00	3.15E-08	-7.63E-08	-8.20E-03	0.00E+00	-1.17E+00	0.00E+00	2.53E+00	-1.69E-04	2.53E+00	2.10E+00	-1.17E+00	0.00E+00	0.00E+00	0.00E+00	-3.63E+02
	HDA041U	-9.01E-02	-1.03E+00	-4.58E-03	-8.68E-01	0.00E+00	0.00E+00	-1.97E+01	-8.61E-03	-3.79E-03	-5.26E-02	0.00E+00	-2.53E-07	-2.18E-08	-1.09E-06	1.06E-02	-1.29E+01	0.00E+00	0.00E+00	-1.46E+01	-9.04E-05	-1.41E+01	0.00E+00	-5.25E-08	-2.78E-07	-1.61E-02	-6.15E-08	-2.89E+00	0.00E+00	-1.41E+01	-2.87E-04	-1.41E+01	-1.62E+01	-2.89E+00	0.00E+00	0.00E+00	0.00E+00	-7.46E+02
	HDA041Z	-8.69E-02	-1.03E+00	-4.58E-03	-8.81E-01	0.00E+00	0.00E+00	-1.97E+01	-8.10E-03	-2.80E-03	-5.11E-02	0.00E+00	-2.53E-07	-2.14E-08	-1.06E-06	1.10E-02	-1.22E+01	0.00E+00	0.00E+00	-1.44E+01	-9.04E-05	-1.45E+01	0.00E+00	-5.39E-08	-2.71E-07	-1.57E-02	-6.15E-08	-2.67E+00	0.00E+00	-1.45E+01	-2.76E-04	-1.45E+01	-1.66E+01	-2.67E+00	0.00E+00	0.00E+00	0.00E+00	-7.27E+02
	HDA048Z	-7.12E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.49E-03	-1.18E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.19E-07	3.38E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.27E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
	HDA050L	-2.68E-02	9.19E-02	1.13E-02	8.57E-02	0.00E+00	0.00E+00	-1.93E+00	-3.24E-03	1.95E-03	-1.27E-02	0.00E+00	0.00E+00	-4.47E-09	-3.30E-07	1.70E-02	-3.00E+00	0.00E+00	0.00E+00	-2.63E+00	0.00E+00	1.76E+00	0.00E+00	2.50E-08	-5.94E-08	-4.33E-03	0.00E+00	-4.40E-01	0.00E+00	1.76E+00	-9.31E-05	1.76E+00	1.30E+00	-4.40E-01	0.00E+00	0.00E+00	0.00E+00	-1.59E+02
	HDA050Z	-5.04E-02	-9.39E-01	-6.63E-03	-8.48E-01	0.00E+00	0.00E+00	-1.05E+01	-4.30E-03	2.18E-05	-3.00E-02	0.00E+00	-2.53E-07	-1.80E-08	-6.15E-07	3.34E-03	-9.46E+00	0.00E+00	0.00E+00	-1.02E+01	-9.04E-05	-1.36E+01	0.00E+00	-5.38E-08	-2.21E-07	-9.60E-03	-6.15E-08	-2.54E+00	0.00E+00	-1.36E+01	-1.67E-04	-1.36E+01	-1.50E+01	-2.54E+00	0.00E+00	0.00E+00	0.00E+00	-4.78E+02
	HDA051L	-4.46E-02	8.86E-02	1.60E-02	3.83E-02	0.00E+00	0.00E+00	-7.26E+00	-5.47E-03	2.49E-03	-2.48E-02	0.00E+00	0.00E+00	-5.88E-09	-5.53E-07	2.64E-02	-6.07E+00	0.00E+00	0.00E+00	-8.28E+00	0.00E+00	2.06E+00	0.00E+00	3.67E-08	-7.66E-08	-8.22E-03	0.00E+00	-9.49E-01	0.00E+00	2.06E+00	-1.64E-04	2.06E+00	1.54E+00	-9.49E-01	0.00E+00	0.00E+00	0.00E+00	-3.82E+02
	HDA051Z	-3.03E-02	-8.32E-02	1.62E-02	-1.12E-01	0.00E+00	0.00E+00	-4.35E+00	-4.20E-03	2.70E-03	-1.81E-02	0.00E+00	0.00E+00	-4.28E-09	-4.04E-07	2.46E-02	-4.56E+00	0.00E+00	0.00E+00	-6.58E+00	0.00E+00	-2.95E-01	0.00E+00	2.10E-08	-5.30E-08	-5.78E-03	0.00E+00	-5.27E-01	0.00E+00	-2.95E-01	-1.20E-04	-2.95E-01	-8.22E-01	-5.27E-01	0.00E+00	0.00E+00	0.00E+00	-2.51E+02
	HDA061Z	-1.89E-02	5.69E-02	1.42E-03	5.54E-02	0.00E+00	0.00E+00	-3.04E+00	-1.94E-03	-7.03E-04	-9.21E-03	0.00E+00	0.00E+00	-2.50E-09	-2.24E-07	5.87E-03	-2.18E+00	0.00E+00	0.00E+00	-3.10E+00	0.00E+00	3.51E-01	0.00E+00	7.92E-09	-3.09E-08	-2.69E-03	0.00E+00	-3.46E-01	0.00E+00	3.51E-01	-5.97E-05	3.51E-01	5.81E-03	-3.46E-01	0.00E+00	0.00E+00	0.00E+00	-1.42E+02
	HDA063L	-4.98E-02	1.96E-02	6.24E-03	-5.67E-03	0.00E+00	0.00E+00	-6.95E+00	-5.11E-03	1.62E-03	-1.96E-02	0.00E+00	0.00E+00	-4.79E-09	-6.19E-07	1.88E-02	-3.35E+00	0.00E+00	0.00E+00	-6.63E+00	0.00E+00	1.21E+00	0.00E+00	2.25E-08	-7.45E-08	-7.03E-03	0.00E+00	-5.80E-01	0.00E+00	1.21E+00	-1.62E-04	1.21E+00	9.50E-01	-5.80E-01	0.00E+00	0.00E+00	0.00E+00	-2.90E+02
	HDA063U	-8.53E-03	3.00E-01	2.23E-02	2.77E-01	0.00E+00	0.00E+00	2.75E+00	-1.39E-03	2.57E-03	-3.83E-03	0.00E+00	0.00E+00	-3.60E-10	-1.23E-07	2.78E-02	-1.63E+00	0.00E+00	0.00E+00	2.51E+00	0.00E+00	5.56E+00	0.00E+00	4.36E-08	-1.15E-09	-9.11E-04	0.00E+00	2.87E-01	0.00E+00	5.56E+00	-4.90E-05	5.56E+00	5.85E+00	2.87E-01	0.00E+00	0.00E+00	0.00E+00	7.86E+01
	HDA063Z	-4.24E-02	-1.08E-01	4.49E-03	-1.12E-01	0.00E+00	0.00E+00	-6.52E+00	-4.44E-03	-8.18E-04	-2.27E-02	0.00E+00	0.00E+00	-5.89E-09	-5.01E-07	1.35E-02	-4.76E+00	0.00E+00	0.00E+00	-7.11E+00	0.00E+00	6.90E-01	0.00E+00	1.66E-08	-7.17E-08	-6.46E-03	0.00E+00	-7.60E-01	0.00E+00	6.90E-01	-1.29E-04	6.90E-01	-7.04E-02	-7.60E-01	0.00E+00	0.00E+00	0.00E+00	-3.28E+02
	HDA064L	-4.25E-02	2.10E-01	1.41E-02	1.97E-01	0.00E+00	0.00E+00	-7.24E+00	-5.25E-03	1.55E-04	-2.26E-02	0.00E+00	0.00E+00	-5.14E-09	-5.31E-07	3.00E-02	-5.91E+00	0.00E+00	0.00E+00	-8.10E+00	0.00E+00	2.74E+00	0.00E+00	3.81E-08	-6.91E-08	-8.20E-03	0.00E+00	-1.09E+00	0.00E+00	2.74E+00	-1.59E-04	2.74E+00	2.38E+00	-1.09E+00	0.00E+00	0.00E+00	0.00E+00	-3.56E+02
	HDA064U	-1.02E-01	-1.04E+00	-2.74E-03	-8.77E-01	0.00E+00	0.00E+00	-1.95E+01	-9.74E-03	-4.05E-03	-5.28E-02	0.00E+00	-2.53E-07	-2.17E-08	-1.25E-06	1.44E-02	-1.27E+01	0.00E+00	0.00E+00	-1.46E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.12E-08	-2.82E-07	-1.61E-02	-6.15E-08	-2.77E+00	0.00E+00	-1.43E+01	-3.21E-04	-1.43E+01	-1.63E+01	-2.77E+00	0.00E+00	0.00E+00	0.00E+00	-7.47E+02
	HDA064Z	-8.65E-02	-1.03E+00	-3.77E-03	-8.81E-01	0.00E+00	0.00E+00	-1.96E+01	-8.01E-03	-2.82E-03	-5.08E-02	0.00E+00	-2.53E-07	-2.13E-08	-1.05E-06	1.28E-02	-1.21E+01	0.00E+00	0.00E+00	-1.44E+01	-9.04E-05	-1.45E+01	0.00E+00	-5.29E-08	-2.68E-07	-1.57E-02	-6.15E-08	-2.63E+00	0.00E+00	-1.45E+01	-2.76E-04	-1.45E+01	-1.66E+01	-2.63E+00	0.00E+00	0.00E+00	0.00E+00	-7.30E+02
	HDA078Z	-4.47E-03	-1.47E-01	-4.94E-04	-1.46E-01	0.00E+00	0.00E+00	-1.38E+00	-5.43E-04	6.38E-04	-4.04E-03	0.00E+00	0.00E+00	-2.98E-09	-5.20E-08	-1.10E-03	-5.48E-01	0.00E+00	0.00E+00	-2.28E+00	0.00E+00	-2.15E+00	0.00E+00	-5.43E-09	-2.60E-08	-1.64E-03	0.00E+00	-1.98E-01	0.00E+00	-2.15E+00	-2.15E-05	-2.15E+00	-2.35E+00	-1.98E-01	0.00E+00	0.00E+00	0.00E+00	-9.93E+01
	HDA080L	-2.78E-02	2.52E-03	7.07E-03	-6.48E-02	0.00E+00	0.00E+00	-3.81E+00	-3.25E-03	1.89E-03	-1.29E-02	0.00E+00	0.00E+00	-4.71E-09	-3.34E-07	1.48E-02	-3.30E+00	0.00E+00	0.00E+00	-4.30E+00	0.00E+00	6.73E-01	0.00E+00	2.14E-08	-5.96E-08	-4.26E-03	0.00E+00	-4.59E-01	0.00E+00	6.73E-01	-9.91E-05	6.73E-01	2.10E-01	-4.59E-01	0.00E+00	0.00E+00	0.00E+00	-1.98E+02
	HDA080U	-9.24E-03	1.93E-01	1.69E-02	1.76E-01	0.00E+00	0.00E+00	2.05E+00	-1.39E-03	2.47E-03	-4.93E-03	0.00E+00	0.00E+00	-1.96E-09	-1.26E-07	2.43E-02	-1.04E+00	0.00E+00	0.00E+00	-2.61E-01	0.00E+00	4.26E+00	0.00E+00	3.77E-08	-9.32E-09	-1.27E-03	0.00E+00	1.15E-01	0.00E+00	4.26E+00	-5.17E-05	4.26E+00	4.37E+00	1.15E-01	0.00E+00	0.00E+00	0.00E+00	-3.93E+01
	HDA080Z	-3.91E-02	-7.77E-01	-7.16E-03	-7.17E-01	0.00E+00	0.00E+00	-8.67E+00	-4.29E-03	9.57E-04	-2.00E-02	0.00E+00	-8.52E-08	-1.04E-08	-4.85E-07	5.69E-03	-5.63E+00	0.00E+00	0.00E+00	-6.86E+00	-3.05E-05	-9.62E+00	0.00E+00	-3.70E-08	-1.27E-07	-5.85E-03	-1.76E-08	-2.56E+00	0.00E+00	-9.62E+00	-1.32E-04	-9.62E+00	-1.02E+01	-2.56E+00	0.00E+00	0.00E+00	0.00E+00	-3.04E+02
	HDA081L	-6.30E-02	9.13E-02	1.47E-02	3.83E-02	0.00E+00	0.00E+00	-1.28E+01	-6.92E-03	-1.15E-03	-3.38E-02	0.00E+00	0.00E+00	-6.41E-09	-7.44E-07	2.63E-02	-7.05E+00	0.00E+00	0.00E+00	-1.07E+01	0.00E+00	2.12E+00	0.00E+00	3.75E-08	-9.33E-08	-1.11E-02	0.00E+00	-1.00E+00	0.00E+00	2.12E+00	-2.11E-04	2.12E+00	1.51E+00	-1.00E+00	0.00E+00	0.00E+00	0.00E+00	-5.32E+02
	HDA081U	-9.84E-02	-1.05E+00	-2.82E-03	-8.81E-01	0.00E+00	0.00E+00	-1.90E+01	-9.37E-03	-3.02E-03	-5.22E-02	0.00E+00	-2.53E-07	-2.13E-08	-1.21E-06	1.39E-02	-1.20E+01	0.00E+00	0.00E+00	-1.44E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.25E-08	-2.75E-07	-1.62E-02	-6.15E-08	-2.59E+00	0.00E+00	-1.43E+01	-3.13E-04	-1.43E+01	-1.64E+01	-2.59E+00	0.00E+00	0.00E+00	0.00E+00	-7.32E+02
	HDA081Z	-7.48E-02	-8.73E-01	-3.89E-03	-7.69E-01	0.00E+00	0.00E+00	-1.62E+01	-7.85E-03	-1.55E-03	-4.06E-02	0.00E+00	-8.52E-08	-1.43E-08	-9.02E-07	1.72E-02	-8.73E+00	0.00E+00	0.00E+00	-1.05E+01	-3.05E-05	-1.09E+01	0.00E+00	-3.83E-08	-1.79E-07	-1.17E-02	-1.76E-08	-2.62E+00	0.00E+00	-1.09E+01	-2.38E-04	-1.09E+01	-1.24E+01	-2.62E+00	0.00E+00	0.00E+00	0.00E+00	-5.39E+02
	HDA098Z	2.30E-03	1.39E-01	9.46E-03	1.29E-01	0.00E+00	0.00E+00	2.41E+00	4.12E-06	1.41E-03	1.52E-03	0.00E+00	0.00E+00	1.84E-10	1.78E-08	1.22E-02	-5.48E-01	0.00E+00	0.00E+00	1.46E+00	0.00E+00	2.51E+00	0.00E+00	1.97E-08	8.57E-09	5.00E-04	0.00E+00	1.14E-01	0.00E+00	2.51E+00	-8.03E-09	2.51E+00	2.62E+00	1.14E-01	0.00E+00	0.00E+00	0.00E+00	5.04E+01
	HDA100L	-1.50E-02	-2.20E-02	1.02E-02	-1.25E-01	0.00E+00	0.00E+00	-2.75E+00	-1.71E-03	2.92E-03	-1.12E-02	0.00E+00	0.00E+00	-3.78E-09	-1.67E-07	1.92E-02	-3.26E+00	0.00E+00	0.00E+00	-4.28E+00	0.00E+00	1.99E-02	0.00E+00	1.63E-08	-3.19E-08	-3.68E-03	0.00E+00	-1.18E-01	0.00E+00	1.99E-02	-6.08E-05	1.99E-02	-5.51E-01	-1.18E-01	0.00E+00	0.00E+00	0.00E+00	-1.90E+02
	HDA100Z	2.79E-03	-1.62E-01	6.54E-03	-1.69E-01	0.00E+00	0.00E+00	3.13E-01	-1.89E-04	3.63E-03	-2.26E-03	0.00E+00	0.00E+00	-5.56E-09	2.40E-08	4.36E-03	6.26E-02	0.00E+00	0.00E+00	-2.64E+00	0.00E+00	-3.12E+00	0.00E+00	1.14E-09	-3.50E-08	-1.72E-03	0.00E+00	-1.19E-01	0.00E+00	-3.12E+00	-1.15E-05	-3.12E+00	-3.24E+00	-1.19E-01	0.00E+00	0.00E+00	0.00E+00	-1.22E+02
	HDA101L	-6.65E-02	1.28E-01	1.89E-02	6.13E-02	0.00E+00	0.00E+00	-1.28E+01	-7.24E-03	-1.21E-03	-3.47E-02	0.00E+00	0.00E+00	-5.84E-09	-8.15E-07	3.13E-02	-7.11E+00	0.00E+00	0.00E+00	-1.08E+01	0.00E+00	2.07E+00	0.00E+00	3.71E-08	-8.88E-08	-1.12E-02	0.00E+00	-8.13E-01	0.00E+00	2.07E+00	-2.13E-04	2.07E+00	1.52E+00	-8.13E-01	0.00E+00	0.00E+00	0.00E+00	-5.34E+02
	HDA101U	-9.39E-02	-8.75E-01	-1.70E-03	-7.26E-01	0.00E+00	0.00E+00	-1.64E+01	-1.01E-02	-2.99E-03	-4.36E-02	0.00E+00	-8.52E-08	-1.45E-08	-1.16E-06	1.84E-02	-9.14E+00	0.00E+00	0.00E+00	-1.12E+01	-3.05E-05	-1.04E+01	0.00E+00	-3.86E-08	-1.95E-07	-1.27E-02	-1.76E-08	-2.83E+00	0.00E+00	-1.04E+01	-2.92E-04	-1.04E+01	-1.22E+01	-2.83E+00	0.00E+00	0.00E+00	0.00E+00	-5.66E+02
	HDA101Z	-8.62E-02	-8.52E-01	-1.93E-03	-7.12E-01	0.00E+00	0.00E+00	-1.64E+01	-9.00E-03	-1.99E-03	-4.11E-02	0.00E+00	-8.52E-08	-1.41E-08	-1.06E-06	1.69E-02	-8.76E+00	0.00E+00	0.00E+00	-1.09E+01	-3.05E-05	-1.08E+01	0.00E+00	-4.08E-08	-1.84E-07	-1.19E-02	-1.76E-08	-2.62E+00	0.00E+00	-1.08E+01	-2.73E-04	-1.08E+01	-1.23E+01	-2.62E+00	0.00E+00	0.00E+00	0.00E+00	-5.42E+02
	HDA123Z	-5.47E-02	-8.92E-01	-1.24E-02	-8.07E-01	0.00E+00	0.00E+00	-1.20E+01	-5.80E-03	-2.26E-05	-2.75E-02	0.00E+00	-8.52E-08	-9.37E-09	-7.09E-07	6.69E-03	-5.97E+00	0.00E+00	0.00E+00	-9.32E+00	-3.05E-05	-1.06E+01	0.00E+00	-4.45E-08	-1.40E-07	-7.56E-03	-1.76E-08	-2.89E+00	0.00E+00	-1.06E+01	-1.74E-04	-1.06E+01	-1.06E+01	-2.89E+00	0.00E+00	0.00E+00	0.00E+00	-3.93E+02
	HDA125L	-3.65E-02	-8.24E-02	3.32E-03	-1.35E-01	0.00E+00	0.00E+00	-6.33E+00	-3.74E-03	2.72E-03	-1.93E-02	0.00E+00	0.00E+00	-6.98E-09	-4.78E-07	6.22E-03	-3.73E+00	0.00E+00	0.00E+00	-7.16E+00	0.00E+00	-6.42E-01	0.00E+00	1.32E-08	-9.07E-08	-6.74E-03	0.00E+00	-7.43E-01	0.00E+00	-6.42E-01	-1.26E-04	-6.42E-01	-1.11E+00	-7.43E-01	0.00E+00	0.00E+00	0.00E+00	-2.99E+02
	HDA125U	-6.96E-02	-2.19E-01	1.65E-03	-2.20E-01	0.00E+00	0.00E+00	-1.28E+01	-7.11E-03	-2.68E-03	-3.71E-02	0.00E+00	0.00E+00	-7.77E-09	-8.20E-07	9.63E-03	-7.14E+00	0.00E+00	0.00E+00	-1.00E+01	0.00E+00	-5.92E-01	0.00E+00	7.29E-09	-1.16E-07	-1.05E-02	0.00E+00	-1.09E+00	0.00E+00	-5.92E-01	-2.04E-04	-5.92E-01	-1.68E+00	-1.09E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+02
	HDA125Z	8.63E-04	-1.98E-01	7.27E-03	-2.05E-01	0.00E+00	0.00E+00	-9.33E-02	-4.60E-04	4.20E-03	-3.89E-03	0.00E+00	0.00E+00	-6.01E-09	-1.69E-09	3.86E-03	-8.81E-01	0.00E+00	0.00E+00	-3.13E+00	0.00E+00	-3.38E+00	0.00E+00	-6.72E-10	-4.05E-08	-2.15E-03	0.00E+00	-2.69E-01	0.00E+00	-3.38E+00	-2.17E-05	-3.38E+00	-3.65E+00	-2.69E-01	0.00E+00	0.00E+00	0.00E+00	-1.44E+02
	HDA126L	-9.17E-02	2.33E-01	5.60E-03	2.27E-01	0.00E+00	0.00E+00	-1.69E+01	-9.48E-03	-3.23E-03	-4.53E-02	0.00E+00	0.00E+00	-1.03E-08	-1.09E-06	1.96E-02	-6.73E+00	0.00E+00	0.00E+00	-1.30E+01	0.00E+00	1.08E+00	0.00E+00	2.76E-08	-1.44E-07	-1.31E-02	0.00E+00	-9.98E-01	0.00E+00	1.08E+00	-2.71E-04	1.08E+00	8.24E-02	-9.98E-01	0.00E+00	0.00E+00	0.00E+00	-5.89E+02
	HDA126U	-9.09E-02	-8.77E-01	-3.08E-03	-7.26E-01	0.00E+00	0.00E+00	-1.62E+01	-9.68E-03	-3.03E-03	-4.32E-02	0.00E+00	-8.52E-08	-1.48E-08	-1.13E-06	1.82E-02	-9.60E+00	0.00E+00	0.00E+00	-1.10E+01	-3.05E-05	-1.03E+01	0.00E+00	-3.84E-08	-1.99E-07	-1.24E-02	-1.76E-08	-2.83E+00	0.00E+00	-1.03E+01	-2.81E-04	-1.03E+01	-1.21E+01	-2.83E+00	0.00E+00	0.00E+00	0.00E+00	-5.58E+02
	HDA126Z	-8.76E-02	-8.74E-01	-3.08E-03	-7.39E-01	0.00E+00	0.00E+00	-1.67E+01	-9.19E-03	-2.89E-03	-4.24E-02	0.00E+00	-8.52E-08	-1.48E-08	-1.09E-06	1.87E-02	-9.55E+00	0.00E+00	0.00E+00	-1.11E+01	-3.05E-05	-1.08E+01	0.00E+00	-3.96E-08	-1.98E-07	-1.21E-02	-1.76E-08	-2.80E+00	0.00E+00	-1.08E+01	-2.70E-04	-1.08E+01	-1.25E+01	-2.80E+00	0.00E+00	0.00E+00	0.00E+00	-5.58E+02
	HDA160L	4.22E-03	-1.70E-01	1.19E-02	-1.82E-01	0.00E+00	0.00E+00	1.04E+00	-1.97E-04	4.57E-03	-1.87E-03	0.00E+00	0.00E+00	-4.84E-09	3.37E-08	6.94E-03	-4.31E+00	0.00E+00	0.00E+00	-8.03E-01	0.00E+00	-2.45E+00	0.00E+00	4.33E-09	-3.31E-08	-1.59E-03	0.00E+00	-5.74E-01	0.00E+00	-2.45E+00	-1.05E-05	-2.45E+00	-3.03E+00	-5.74E-01	0.00E+00	0.00E+00	0.00E+00	-4.49E+01
	HDA160U	-7.43E-02	-8.52E-01	-2.07E-02	-8.31E-01	0.00E+00	0.00E+00	-1.93E+01	-7.35E-03	-3.32E-03	-4.44E-02	0.00E+00	0.00E+00	-1.50E-08	-8.53E-07	-2.01E-02	-6.98E+00	0.00E+00	0.00E+00	-1.83E+01	0.00E+00	-1.13E+01	0.00E+00	-4.82E-08	-1.82E-07	-1.40E-02	0.00E+00	-1.87E+00	0.00E+00	-1.13E+01	-2.18E-04	-1.13E+01	-1.32E+01	-1.87E+00	0.00E+00	0.00E+00	0.00E+00	-7.84E+02
	HDA160Z	-2.23E-02	-2.13E-01	1.16E-04	-2.31E-01	0.00E+00	0.00E+00	-7.08E+00	-2.09E-03	1.23E-03	-1.52E-02	0.00E+00	0.00E+00	-6.04E-09	-2.56E-07	-2.32E-03	-2.42E+00	0.00E+00	0.00E+00	-6.60E+00	0.00E+00	-3.19E+00	0.00E+00	-2.48E-09	-6.02E-08	-5.62E-03	0.00E+00	-7.75E-01	0.00E+00	-3.19E+00	-6.46E-05	-3.19E+00	-3.57E+00	-7.75E-01	0.00E+00	0.00E+00	0.00E+00	-3.08E+02
	HDA161L	1.13E-02	6.72E-01	3.86E-02	6.34E-01	0.00E+00	0.00E+00	8.96E+00	1.59E-05	7.05E-03	6.98E-03	0.00E+00	0.00E+00	6.35E-10	8.23E-08	4.82E-02	1.64E+00	0.00E+00	0.00E+00	5.88E+00	0.00E+00	1.07E+01	0.00E+00	8.44E-08	4.07E-08	2.36E-03	0.00E+00	9.97E-01	0.00E+00	1.07E+01	4.20E-07	1.07E+01	1.17E+01	9.97E-01	0.00E+00	0.00E+00	0.00E+00	2.05E+02
	HDA161U	-9.71E-02	-8.34E-01	-2.36E-03	-6.98E-01	0.00E+00	0.00E+00	-1.73E+01	-1.03E-02	-3.06E-03	-4.35E-02	0.00E+00	-8.52E-08	-1.44E-08	-1.21E-06	1.56E-02	-1.00E+01	0.00E+00	0.00E+00	-1.19E+01	-3.05E-05	-1.00E+01	0.00E+00	-3.87E-08	-2.00E-07	-1.28E-02	-1.76E-08	-3.03E+00	0.00E+00	-1.00E+01	-2.98E-04	-1.00E+01	-1.17E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-5.86E+02
	HDA161Z	-7.53E-02	-8.08E-01	-4.39E-03	-6.81E-01	0.00E+00	0.00E+00	-1.49E+01	-7.89E-03	-4.42E-04	-3.53E-02	0.00E+00	-8.52E-08	-1.35E-08	-9.67E-07	1.29E-02	-7.30E+00	0.00E+00	0.00E+00	-1.10E+01	-3.05E-05	-1.01E+01	0.00E+00	-3.84E-08	-1.70E-07	-1.14E-02	-1.76E-08	-2.75E+00	0.00E+00	-1.01E+01	-2.44E-04	-1.01E+01	-1.18E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-5.22E+02
	HDS014EC	-4.76E-02	-5.21E-01	-1.20E-02	-5.69E-01	0.00E+00	0.00E+00	-8.29E+00	-4.47E-03	2.69E-04	-2.01E-02	0.00E+00	0.00E+00	-4.90E-09	-6.07E-07	1.39E-03	-3.08E+00	0.00E+00	0.00E+00	-7.45E+00	0.00E+00	-7.76E+00	0.00E+00	-2.36E-08	-6.41E-08	-6.00E-03	0.00E+00	-7.54E-01	0.00E+00	-7.76E+00	-1.39E-04	-7.76E+00	-7.58E+00	-7.54E-01	0.00E+00	0.00E+00	0.00E+00	-3.03E+02
	HDS018EC	-4.76E-02	-5.21E-01	-1.20E-02	-5.69E-01	0.00E+00	0.00E+00	-8.29E+00	-4.46E-03	2.69E-04	-2.01E-02	0.00E+00	0.00E+00	-4.90E-09	-6.07E-07	1.34E-03	-3.08E+00	0.00E+00	0.00E+00	-7.45E+00	0.00E+00	-7.76E+00	0.00E+00	-2.36E-08	-6.41E-08	-6.00E-03	0.00E+00	-7.54E-01	0.00E+00	-7.76E+00	-1.38E-04	-7.76E+00	-7.58E+00	-7.54E-01	0.00E+00	0.00E+00	0.00E+00	-3.03E+02

HDS023EC	-4.76E-02	-5.21E-01	-1.20E-02	-5.69E-01	0.00E+00	0.00E+00	-8.29E+00	-4.46E-03	2.69E-04	-2.01E-02	0.00E+00	0.00E+00	-4.90E-09	-6.07E-07	1.33E-03	-3.08E+00	0.00E+00	0.00E+00	-7.45E+00	0.00E+00	-7.76E+00	0.00E+00	-2.36E-08	-6.41E-08	-6.00E-03	0.00E+00	-7.54E-01	0.00E+00	-7.76E+00	-1.38E-04	-7.76E+00	-7.58E+00	-7.54E-01	0.00E+00	0.00E+00	0.00E+00	-3.03E+02
HDS030EC	-4.76E-02	-5.21E-01	-1.20E-02	-5.69E-01	0.00E+00	0.00E+00	-8.29E+00	-4.47E-03	2.69E-04	-2.01E-02	0.00E+00	0.00E+00	-4.90E-09	-6.07E-07	1.39E-03	-3.08E+00	0.00E+00	0.00E+00	-7.45E+00	0.00E+00	-7.76E+00	0.00E+00	-2.36E-08	-6.41E-08	-6.00E-03	0.00E+00	-7.54E-01	0.00E+00	-7.76E+00	-1.39E-04	-7.76E+00	-7.58E+00	-7.54E-01	0.00E+00	0.00E+00	0.00E+00	-3.03E+02
HDS038EC	-4.72E-02	-4.93E-01	-1.12E-02	-5.41E-01	0.00E+00	0.00E+00	-7.80E+00	-4.40E-03	1.00E-04	-2.00E-02	0.00E+00	0.00E+00	-4.48E-09	-5.98E-07	1.99E-03	-2.88E+00	0.00E+00	0.00E+00	-7.20E+00	0.00E+00	-7.15E+00	0.00E+00	-2.18E-08	-5.86E-08	-5.74E-03	0.00E+00	-5.71E-01	0.00E+00	-7.15E+00	-1.36E-04	-7.15E+00	-6.71E+00	-5.71E-01	0.00E+00	0.00E+00	0.00E+00	-2.93E+02
HDS048EC	-4.72E-02	-4.93E-01	-1.12E-02	-5.41E-01	0.00E+00	0.00E+00	-7.80E+00	-4.41E-03	8.21E-05	-2.00E-02	0.00E+00	0.00E+00	-4.48E-09	-5.99E-07	2.58E-03	-2.88E+00	0.00E+00	0.00E+00	-7.20E+00	0.00E+00	-7.14E+00	0.00E+00	-2.18E-08	-5.86E-08	-5.74E-03	0.00E+00	-5.73E-01	0.00E+00	-7.14E+00	-1.37E-04	-7.14E+00	-6.71E+00	-5.73E-01	0.00E+00	0.00E+00	0.00E+00	-2.93E+02
HDS061EC	-4.72E-02	-4.93E-01	-1.12E-02	-5.41E-01	0.00E+00	0.00E+00	-7.80E+00	-4.41E-03	8.21E-05	-2.00E-02	0.00E+00	0.00E+00	-4.48E-09	-5.99E-07	2.58E-03	-2.88E+00	0.00E+00	0.00E+00	-7.20E+00	0.00E+00	-7.14E+00	0.00E+00	-2.18E-08	-5.86E-08	-5.74E-03	0.00E+00	-5.73E-01	0.00E+00	-7.14E+00	-1.37E-04	-7.14E+00	-6.71E+00	-5.73E-01	0.00E+00	0.00E+00	0.00E+00	-2.93E+02
HDS078EC	-4.92E-02	-4.88E-01	-1.12E-02	-5.34E-01	0.00E+00	0.00E+00	-8.00E+00	-4.66E-03	-1.41E-04	-2.09E-02	0.00E+00	0.00E+00	-5.04E-09	-6.16E-07	-9.28E-05	-2.86E+00	0.00E+00	0.00E+00	-7.49E+00	0.00E+00	-6.93E+00	0.00E+00	-2.14E-08	-6.90E-08	-6.14E-03	0.00E+00	-6.40E-01	0.00E+00	-6.93E+00	-1.39E-04	-6.93E+00	-6.52E+00	-6.40E-01	0.00E+00	0.00E+00	0.00E+00	-3.02E+02
HDS098EC	-4.92E-02	-4.88E-01	-1.12E-02	-5.34E-01	0.00E+00	0.00E+00	-8.00E+00	-4.67E-03	-1.60E-04	-2.09E-02	0.00E+00	0.00E+00	-5.09E-09	-6.19E-07	3.54E-04	-2.86E+00	0.00E+00	0.00E+00	-7.49E+00	0.00E+00	-6.91E+00	0.00E+00	-2.14E-08	-6.91E-08	-6.14E-03	0.00E+00	-6.51E-01	0.00E+00	-6.91E+00	-1.40E-04	-6.91E+00	-6.51E+00	-6.51E-01	0.00E+00	0.00E+00	0.00E+00	-3.02E+02
HDS123EC	-4.65E-02	-4.96E-01	-1.10E-02	-5.46E-01	0.00E+00	0.00E+00	-7.75E+00	-4.36E-03	1.62E-05	-2.00E-02	0.00E+00	0.00E+00	-4.67E-09	-5.95E-07	2.28E-03	-2.88E+00	0.00E+00	0.00E+00	-7.20E+00	0.00E+00	-7.15E+00	0.00E+00	-2.18E-08	-6.06E-08	-5.73E-03	0.00E+00	-6.24E-01	0.00E+00	-7.15E+00	-1.36E-04	-7.15E+00	-6.75E+00	-6.24E-01	0.00E+00	0.00E+00	0.00E+00	-2.93E+02
HEJ250DR	-5.40E-01	-2.32E+00	-1.92E-02	-2.25E+00	0.00E+00	0.00E+00	-1.22E+02	-5.42E-02	-2.45E-02	-2.89E-01	0.00E+00	-9.47E-07	-5.40E-08	-6.31E-06	-9.50E-03	-3.22E+01	0.00E+00	0.00E+00	-1.03E+02	-3.47E-04	-3.03E+01	0.00E+00	-7.76E-08	-6.59E-07	-8.79E-02	-2.33E-07	-8.20E+00	0.00E+00	-3.03E+01	-1.59E-03	-3.03E+01	-3.67E+01	-8.20E+00	0.00E+00	0.00E+00	0.00E+00	-4.44E+03
HEJ251DR	-5.52E-01	-4.40E+00	-9.88E-03	-4.68E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.50E-06	-6.11E-08	-6.41E-06	4.78E-02	-4.28E+01	0.00E+00	0.00E+00	-1.04E+02	-5.44E-04	-4.03E+01	0.00E+00	-1.40E-07	-7.52E-07	-8.91E-02	-3.58E-07	-8.13E+00	0.00E+00	-4.03E+01	-1.61E-03	-4.03E+01	-4.86E+01	-8.13E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HEJ320BR	-5.30E-01	-2.17E+00	-1.68E-02	-2.32E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.36E-02	-2.83E-01	0.00E+00	-5.05E-07	-4.70E-08	-6.24E-06	-1.66E-02	-2.64E+01	0.00E+00	0.00E+00	-9.81E+01	-1.87E-04	-2.38E+01	0.00E+00	-3.71E-08	-4.99E-07	-8.37E-02	-1.24E-07	-4.79E+00	0.00E+00	-2.38E+01	-1.54E-03	-2.38E+01	-2.94E+01	-4.79E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HEJ320DR	-5.49E-01	-2.21E+00	-2.33E-02	-2.30E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.47E-07	-6.07E-08	-6.41E-06	-2.18E-02	-3.40E+01	0.00E+00	0.00E+00	-1.04E+02	-3.47E-04	-3.02E+01	0.00E+00	-7.90E-08	-7.30E-07	-8.91E-02	-2.33E-07	-8.29E+00	0.00E+00	-3.02E+01	-1.61E-03	-3.02E+01	-3.72E+01	-8.29E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HEJ321BR	3.88E-02	-2.93E+00	9.19E-02	-3.02E+00	0.00E+00	0.00E+00	9.67E+00	-1.37E-03	4.09E-02	-2.78E-02	0.00E+00	0.00E+00	-3.47E-08	3.38E-07	3.83E-02	-6.32E+00	0.00E+00	0.00E+00	-5.46E+00	0.00E+00	-1.98E+01	0.00E+00	-2.13E-09	-2.33E-07	-1.36E-02	0.00E+00	-5.80E-01	0.00E+00	-1.98E+01	-7.56E-05	-1.98E+01	-2.03E+01	-5.80E-01	0.00E+00	0.00E+00	0.00E+00	-3.12E+02
HEJ321DR	-5.52E-01	-4.40E+00	-9.88E-03	-4.68E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.52E-06	-6.11E-08	-6.41E-06	4.76E-02	-4.26E+01	0.00E+00	0.00E+00	-1.04E+02	-5.52E-04	-4.03E+01	0.00E+00	-1.39E-07	-7.52E-07	-8.91E-02	-3.64E-07	-8.13E+00	0.00E+00	-4.03E+01	-1.61E-03	-4.03E+01	-4.86E+01	-8.13E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HEJ400DR	-5.51E-01	-2.34E+00	-3.84E-02	-2.38E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.38E-06	-6.81E-08	-6.47E-06	-3.53E-02	-4.43E+01	0.00E+00	0.00E+00	-1.04E+02	-4.87E-04	-3.39E+01	0.00E+00	-8.72E-08	-9.42E-07	-9.02E-02	-3.22E-07	-9.76E+00	0.00E+00	-3.39E+01	-1.62E-03	-3.39E+01	-4.34E+01	-9.76E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HEJ401DR	-5.54E-01	-5.05E+00	-2.51E-02	-5.08E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-1.86E-06	-6.85E-08	-6.47E-06	3.64E-02	-6.85E+01	0.00E+00	0.00E+00	-1.04E+02	-6.59E-04	-4.84E+01	0.00E+00	-1.83E-07	-9.70E-07	-9.02E-02	-4.32E-07	-9.81E+00	0.00E+00	-4.84E+01	-1.62E-03	-4.84E+01	-6.14E+01	-9.81E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HEJ500BR	-5.32E-01	-4.08E+00	-3.20E-02	-4.29E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.36E-02	-2.85E-01	0.00E+00	-1.34E-06	-5.47E-08	-6.29E-06	-4.21E-02	-4.43E+01	0.00E+00	0.00E+00	-9.86E+01	-4.70E-04	-3.78E+01	0.00E+00	-1.28E-07	-7.24E-07	-8.48E-02	-3.09E-07	-7.04E+00	0.00E+00	-3.78E+01	-1.54E-03	-3.78E+01	-4.76E+01	-7.04E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HES025BC	-3.73E-02	-6.01E-01	-7.14E-03	-6.47E-01	0.00E+00	0.00E+00	-1.34E+01	-4.65E-03	1.41E-03	-3.16E-02	0.00E+00	-1.54E-08	-1.22E-08	-4.59E-07	-1.03E-02	-5.32E+00	0.00E+00	0.00E+00	-1.36E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.74E-08	-1.31E-07	-1.06E-02	-3.63E-09	-1.53E+00	0.00E+00	-1.03E+01	-1.29E-04	-1.03E+01	-1.29E+01	-1.53E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
HES025BR	-6.22E-02	-8.92E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.35E-03	-5.95E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.28E-07	1.01E-02	-7.30E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.07E-08	-1.40E-07	-1.44E-02	-7.52E-09	-1.43E+00	0.00E+00	-1.11E+01	-2.12E-04	-1.11E+01	-1.21E+01	-1.43E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HES025DC	-6.23E-02	-6.24E-01	-7.59E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.13E-02	-6.36E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.95E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.92E-04	-1.03E+01	-1.24E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HES025DR	-6.38E-02	-8.81E-01	-8.81E-03	-7.66E-01	0.00E+00	0.00E+00	-2.00E+01	-7.31E-03	-5.95E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.30E-08	-8.21E-07	1.10E-02	-7.27E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.17E-08	-1.40E-07	-1.44E-02	-7.52E-09	-1.60E+00	0.00E+00	-1.09E+01	-2.12E-04	-1.09E+01	-1.20E+01	-1.60E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HES026BC	-1.21E-01	-8.19E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.68E-03	-9.87E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.84E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HES026BR	-7.10E-02	-9.08E-01	-9.83E-03	-7.88E-01	0.00E+00	0.00E+00	-2.23E+01	-8.18E-03	-1.78E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.40E-08	-8.82E-07	1.04E-02	-9.31E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.12E+01	0.00E+00	-2.92E-08	-1.66E-07	-1.58E-02	-7.52E-09	-2.35E+00	0.00E+00	-1.12E+01	-2.34E-04	-1.12E+01	-1.24E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES026DC	-1.21E-01	-8.02E-01	-1.37E-02	-8.18E-01	0.00E+00	0.00E+00	-2.09E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-5.85E-03	-1.02E+01	0.00E+00	0.00E+00	-1.77E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.82E-08	-2.32E-07	-1.64E-02	-3.63E-09	-2.79E+00	0.00E+00	-1.11E+01	-3.52E-04	-1.11E+01	-1.32E+01	-2.79E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HES026DR	-7.10E-02	-8.97E-01	-8.86E-03	-7.88E-01	0.00E+00	0.00E+00	-2.23E+01	-8.18E-03	-1.78E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.40E-08	-8.82E-07	1.08E-02	-9.34E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.00E-08	-1.66E-07	-1.58E-02	-7.52E-09	-2.37E+00	0.00E+00	-1.09E+01	-2.34E-04	-1.09E+01	-1.23E+01	-2.37E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES040BC	-6.15E-02	-6.27E-01	-7.67E-03	-6.71E-01	0.00E+00	0.00E+00	-1.85E+01	-6.61E-03	-7.68E-04	-4.17E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.05E-07	-1.13E-02	-6.25E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.72E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.48E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.25E+01	-1.48E+00	0.00E+00	0.00E+00	0.00E+00	-7.46E+02
HES040BR	-6.11E-02	-8.84E-01	-8.88E-03	-7.66E-01	0.00E+00	0.00E+00	-2.03E+01	-7.23E-03	-8.21E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.30E-08	-8.16E-07	1.06E-02	-6.99E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-2.99E-08	-1.38E-07	-1.44E-02	-7.52E-09	-1.33E+00	0.00E+00	-1.11E+01	-2.09E-04	-1.11E+01	-1.21E+01	-1.33E+00	0.00E+00	0.00E+00	0.00E+00	-7.17E+02
HES040DC	-3.58E-02	-5.70E-01	-5.27E-03	-6.42E-01	0.00E+00	0.00E+00	-1.32E+01	-4.47E-03	1.51E-03	-3.15E-02	0.00E+00	-1.54E-08	-1.22E-08	-4.40E-07	-9.92E-03	-5.15E+00	0.00E+00	0.00E+00	-1.35E+01	-5.51E-06	-1.01E+01	0.00E+00	-1.67E-08	-1.30E-07	-1.06E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.01E+01	-1.26E-04	-1.01E+01	-1.26E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-5.78E+02
HES040DR	-6.26E-02	-8.73E-01	-7.91E-03	-7.66E-01	0.00E+00	0.00E+00	-1.99E+01	-7.19E-03	-8.21E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.29E-08	-8.08E-07	1.16E-02	-6.97E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.08E-08	-1.37E-07	-1.44E-02	-7.52E-09	-1.51E+00	0.00E+00	-1.09E+01	-2.09E-04	-1.09E+01	-1.19E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.17E+02
HES041BC	-1.20E-01	-8.09E-01	-1.38E-02	-8.26E-01	0.00E+00	0.00E+00	-2.09E+01	-1.20E-02	-4.51E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.39E-06	-6.69E-03	-9.84E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.14E+01	0.00E+00	-1.69E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.74E+00	0.00E+00	-1.14E+01	-3.52E-04	-1.14E+01	-1.34E+01	-2.74E+00	0.00E+00	0.00E+00	0.00E+00	-8.23E+02
HES041BR	-6.80E-02	-9.03E-01	-8.94E-03	-7.88E-01	0.00E+00	0.00E+00	-2.22E+01	-8.02E-03	-2.00E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.39E-08	-8.64E-07	1.05E-02	-9.03E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.11E+01	0.00E+00	-2.96E-08	-1.63E-07	-1.58E-02	-7.52E-09	-2.04E+00	0.00E+00	-1.11E+01	-2.30E-04	-1.11E+01	-1.23E+01	-2.04E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES041DC	-1.20E-01	-7.92E-01	-1.31E-02	-8.18E-01	0.00E+00	0.00E+00	-2.07E+01	-1.20E-02	-4.51E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.39E-06	-5.86E-03	-1.02E+01	0.00E+00	0.00E+00	-1.76E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.67E-08	-2.32E-07	-1.64E-02	-3.63E-09	-2.78E+00	0.00E+00	-1.11E+01	-3.52E-04	-1.11E+01	-1.32E+01	-2.78E+00	0.00E+00	0.00E+00	0.00E+00	-8.10E+02
HES041DR	-7.01E-02	-8.88E-01	-7.97E-03	-7.88E-01	0.00E+00	0.00E+00	-2.22E+01	-8.08E-03	-2.00E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.39E-08	-8.73E-07	1.14E-02	-9.09E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.09E+01	0.00E+00	-2.91E-08	-1.64E-07	-1.58E-02	-7.52E-09	-2.27E+00	0.00E+00	-1.09E+01	-2.32E-04	-1.09E+01	-1.22E+01	-2.27E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES050BC	-6.23E-02	-6.40E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.13E-02	-6.37E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.87E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HES050BR	-6.21E-02	-8.92E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.33E-03	-5.95E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.32E-07	1.05E-02	-7.29E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.07E-08	-1.40E-07	-1.44E-02	-7.52E-09	-1.45E+00	0.00E+00	-1.11E+01	-2.11E-04	-1.11E+01	-1.21E+01	-1.45E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HES051BC	-1.21E-01	-8.18E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.52E-03	-9.89E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.84E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HES051BR	-6.88E-02	-9.05E-01	-9.66E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.14E-03	-5.51E-04	-4.94E-02	0.00E+00	-3.20E-08	-1.34E-08	-8.78E-07	1.02E-02	-9.28E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.04E-08	-1.60E-07	-1.58E-02	-7.52E-09	-2.13E+00	0.00E+00	-1.12E+01	-2.30E-04	-1.12E+01	-1.23E+01	-2.13E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES063BC	-4.22E-02	-5.58E-01	-8.16E-03	-6.10E-01	0.00E+00	0.00E+00	-1.35E+01	-4.93E-03	6.93E-04	-3.21E-02	0.00E+00	-1.54E-08	-1.21E-08	-4.99E-07	-1.08E-02	-5.42E+00	0.00E+00	0.00E+00	-1.36E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.78E-08	-1.29E-07	-1.07E-02	-3.63E-09	-1.57E+00	0.00E+00	-1.03E+01	-1.37E-04	-1.03E+01	-1.28E+01	-1.57E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HES063BR	-6.39E-02	-8.89E-01	-1.04E-02	-7.66E-01	0.00E+00	0.00E+00	-2.05E+01	-7.47E-03	-6.03E-04	-4.75E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.50E-07	8.38E-03	-7.42E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.23E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.50E+00	0.00E+00	-1.11E+01	-2.14E-04	-1.11E+01	-1.22E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HES063DC	-6.37E-02	-6.23E-01	-8.04E-03	-6.81E-01	0.00E+00	0.00E+00	-1.84E+01	-6.82E-03	-7.70E-04	-4.17E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.34E-07	-1.11E-02	-6.48E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.03E+01	0.00E+00	-2.05E-08	-1.47E-07	-1.37E-02	-3.63E-09	-1.52E+00	0.00E+00	-1.03E+01	-1.95E-04	-1.03E+01	-1.25E+01	-1.52E+00	0.00E+00	0.00E+00	0.00E+00	-7.40E+02
HES063DR	-6.54E-02	-8.79E-01	-9.45E-03	-7.66E-01	0.00E+00	0.00E+00	-2.05E+01	-7.47E-03	-6.03E-04	-4.75E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.50E-07	8.68E-03	-7.40E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.31E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.69E+00	0.00E+00	-1.09E+01	-2.14E-04	-1.09E+01	-1.20E+01	-1.69E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HES064BC	-1.21E-01	-8.18E-01	-1.47E-02	-8.31E-01	0.00E+00	0.00E+00	-2.12E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.99E-03	-9.97E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.94E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.76E+00	0.00E+00	-1.15E+01	-3.53E-04	-1.15E+01	-1.34E+01	-2.76E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HES064BR	-7.26E-02	-8.98E-01	-1.03E-02	-7.68E-01	0.00E+00	0.00E+00	-2.24E+01	-8.32E-03	-5.51E-04	-4.96E-02	0.00E+00	-3.20E-08	-1.34E-08	-9.04E-07	8.56E-03	-9.40E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.04E-08	-1.61E-07	-1.58E-02	-7.52E-09	-2.37E+00	0.00E+00	-1.12E+01	-2.35E-04	-1.12E+01	-1.23E+01	-2.37E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES064DC	-1.22E-01	-8.02E-01	-1.41E-02	-8.23E-01	0.00E+00	0.00E+00	-2.12E+01	-1.21E-02	-4.39E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.41E-06	-6.49E-03	-1.03E+01	0.00E+00	0.00E+00	-1.77E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.92E-08	-2.32E-07	-1.64E-02	-3.63E-09	-2.81E+00	0.00E+00	-1.11E+01	-3.53E-04	-1.11E+01	-1.32E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HES064DR	-7.10E-02	-8.87E-01	-9.06E-03	-7.68E-01	0.00E+00	0.00E+00	-2.24E+01	-8.32E-03	3.74E-04	-4.96E-02	0.00E+00	-3.20E-08	-1.33E-08	-8.92E-07	9.07E-03	-9.41E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.12E-08	-1.60E-07	-1.58E-02	-7.52E-09	-2.39E+00	0.00E+00	-1.09E+01	-2.34E-04	-1.09E+01	-1.22E+01	-2.39E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES080BC	-6.23E-02	-6.41E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.75E-03	-6.96E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.18E-07	-1.15E-02	-6.42E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.92E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HES080BR	-6.30E-02	-8.90E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.40E-03	-5.75E-04	-4.72E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.42E-07	9.71E-03	-7.34E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.14E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.47E+00	0.00E+00	-1.11E+01	-2.13E-04	-1.11E+01	-1.21E+01	-1.47E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HES080DC	-6.23E-02	-6.25E-01	-7.59E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.75E-03	-6.96E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.18E-07	-1.14E-02	-6.40E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.03E+01	0.00E+00	-2.00E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.92E-04	-1.03E+01	-1.24E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.43E+02
HES080DR	-6.30E-02	-8.79E-01	-8.81E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.40E-03	-5.75E-04	-4.72E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.42E-07	1.01E-02	-7.32E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.22E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.48E+00	0.00E+00	-1.09E+01	-2.13E-04	-1.09E+01	-1.20E+01	-1.48E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HES081BC	-1.21E-01	-8.20E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.64E-03	-9.91E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.88E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HES081BR	-6.97E-02	-9.03E-01	-9.66E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.20E-03	-5.51E-04	-4.96E-02	0.00E+00	-3.20E-08	-1.34E-08	-8.88E-07	9.41E-03	-9.32E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.08E-08	-1.61E-07	-1.58E-02	-7.52E-09	-2.14E+00	0.00E+00	-1.12E+01	-2.32E-04	-1.12E+01	-1.23E+01	-2.14E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES081DC	-4.18E-02	-5.81E-01	-6.40E-03	-6.28E-01	0.00E+00	0.00E+00	-1.33E+01	-5.38E-03	2.31E-03	-3.45E-02	0.00E+00	-1.54E-08	-1.23E-08	-5.02E-07	-4.13E-03	-6.98E+00	0.00E+00	0.00E+00	-1.41E+01	-5.51E-06	-1.00E+01	0.00E+00	-1.38E-08	-1.39E-07	-1.13E-02	-3.63E-09	-2.24E+00	0.00E+00	-1.00E+01	-1.40E-04	-1.00E+01	-1.24E+01	-2.24E+00	0.00E+00	0.00E+00	0.00E+00	-6.12E+02
HES081DR	-7.03E-02	-8.88E-01	-8.46E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.26E-03	3.74E-04	-4.96E-02	0.00E+00	-3.20E-08	-1.33E-08	-8.85E-07	1.04E-02	-9.37E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.04E-08	-1.60E-07	-1.58E-02	-7.52E-09	-2.36E+00	0.00E+00	-1.09E+01	-2.33E-04	-1.09E+01	-1.22E+01	-2.36E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES100BC	-6.23E-02	-6.41E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.14E-02	-6.38E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.87E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HES100BR	-6.22E-02	-8.92E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.35E-03	-5.95E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.34E-07	1.03E-02	-7.30E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.07E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.46E+00	0.00E+00	-1.11E+01	-2.12E-04	-1.11E+01	-1.21E+01	-1.46E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HES100DC	-6.23E-02	-6.24E-01	-7.59E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.13E-02	-6.80E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.95E-08	-1.49E-07	-1.37E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.92E-04	-1.03E+01	-1.24E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.43E+02
HES100DR	-6.38E-02	-8.81E-01	-8.81E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.35E-03	-5.95E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.34E-07	1.06E-02	-7.27E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.15E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.64E+00	0.00E+00	-1.09E+01	-2.12E-04	-1.09E+01	-1.20E+01	-1.64E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HES101BC	-4.43E-02	-5.71E-01	-7.90E-03	-6.25E-01	0.00E+00	0.00E+00	-1.38E+01	-5.33E-03	-2.46E-04	-3.44E-02	0.00E+00	-1.54E-08	-1.30E-08	-5.07E-07	-5.02E-03	-6.93E+00	0.00E+00	0.00E+00	-1.43E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.40E-08	-1.41E-07	-1.18E-02	-3.63E-09	-2.30E+00	0.00E+00	-1.03E+01	-1.43E-04	-1.03E+01	-1.26E+01	-2.30E+00	0.00E+00	0.00E+00	0.00E+00	-6.31E+02
HES101BR	-6.89E-02	-9.05E-01	-9.66E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.16E-03	-5.51E-04	-4.94E-02	0.00E+00	-3.20E-08	-1.34E-08	-8.80E-07	9.98E-03	-9.28E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.04E-08	-1.61E-07	-1.58E-02	-7.52E-09	-2.13E+00	0.00E+00	-1.12E+01	-2.31E-04	-1.12E+01	-1.23E+01	-2.13E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES101DC	-1.21E-01	-8.27E-01	-1.37E-02	-8.18E-01	0.00E+00	0.00E+00	-2.12E+01	-1.21E-02	-4.39E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.13E-08	-1.41E-06	-6.30E-03	-1.06E+01	0.00E+00	0.00E+00	-1.77E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.78E-08	-2.33E-07	-1.64E-02	-3.63E-09	-2.81E+00	0.00E+00	-1.11E+01	-3.52E-04	-1.11E+01	-1.35E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HES101DR	-6.95E-02	-8.90E-01	-8.46E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.22E-03	3.74E-04	-4.94E-02	0.00E+00	-3.20E-08	-1.33E-08	-8.77E-07	1.09E-02	-9.32E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.09E+01	0.00E+00	-2.99E-08	-1.60E-07	-1.58E-02	-7.52E-09	-2.35E+00	0.00E+00	-1.09E+01	-2.32E-04	-1.09E+01	-1.22E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HES102DC	-1.21E-01	-8.02E-01	-1.37E-02	-8.18E-01	0.00E+00	0.00E+00	-2.09E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-5.69E-03	-1.02E+01	0.00E+00	0.00E+00	-1.77E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.82E-08	-2.32E-07	-1.64E-02	-3.63E-09	-2.79E+00	0.00E+00	-1.11E+01	-3.52E-04	-1.11E+01	-1.32E+01	-2.79E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HES125BC	-6.46E-02	-6.56E-01	-8.48E-03	-6.94E-01	0.00E+00	0.00E+00	-1.92E+01	-6.89E-03	-8.58E-04	-4.31E-02	0.00E+00	-1.54E-08	-1.39E-08	-7.42E-07	-1.00E-02	-6.30E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.07E+01	0.00E+00	-1.96E-08	-1.69E-07	-1.41E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.07E+01	-1.97E-04	-1.07E+01	-1.29E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.58E+02
HES125BR	-6.37E-02	-8.99E-01	-9.24E-03	-7.83E-01	0.00E+00	0.00E+00	-2.09E+01	-7.51E-03	-9.25E-04	-4.82E-02	0.00E+00	-3.20E-08	-1.43E-08	-8.58E-07	1.20E-02	-7.05E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.14E+01	0.00E+00	-3.27E-08	-1.60E-07	-1.47E-02	-7.52E-09	-1.45E+00	0.00E+00	-1.14E+01	-2.15E-04	-1.14E+01	-1.24E+01	-1.45E+00	0.00E+00	0.00E+00	0.00E+00	-7.29E+02
HES125DC	-6.46E-02	-6.40E-01	-7.51E-03	-6.94E-01	0.00E+00	0.00E+00	-1.92E+01	-6.89E-03	-8.58E-04	-4.31E-02	0.00E+00	-1.54E-08	-1.39E-08	-7.42E-07	-9.92E-03	-6.86E+00	0.00E+00	0.00E+00	-1.60E+01	-5.51E-06	-1.05E+01	0.00E+00	-2.04E-08	-1.69E-07	-1.41E-02	-3.63E-09	-1.52E+00	0.00E+00	-1.05E+01	-1.97E-04	-1.05E+01	-1.28E+01	-1.52E+00	0.00E+00	0.00E+00	0.00E+00	-7.51E+02
HES125DR	-6.53E-02	-8.89E-01	-8.27E-03	-7.83E-01	0.00E+00	0.00E+00	-2.09E+01	-7.51E-03	-9.25E-04	-4.82E-02	0.00E+00	-3.20E-08	-1.43E-08	-8.58E-07	1.23E-02	-7.03E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.35E-08	-1.60E-07	-1.47E-02	-7.52E-09	-1.66E+00	0.00E+00	-1.11E+01	-2.15E-04	-1.11E+01	-1.23E+01	-1.66E+00	0.00E+00	0.00E+00	0.00E+00	-7.29E+02
HES126BC	-1.23E-01	-8.35E-01	-1.44E-02	-8.41E-01	0.00E+00	0.00E+00	-2.16E+01	-1.25E-02	-4.59E-03	-7.12E-02	0.00E+00	-1.54E-08	-2.21E-08	-1.44E-06	-5.24E-03	-9.97E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.17E+01	0.00E+00	-1.90E-08	-2.52E-07	-1.70E-02	-3.63E-09	-2.81E+00	0.00E+00	-1.17E+01	-3.64E-04	-1.17E+01	-1.37E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-8.35E+02
HES126BR	-7.21E-02	-9.12E-01	-9.12E-03	-7.85E-01	0.00E+00	0.00E+00	-2.28E+01	-8.81E-03	-8.52E-04	-5.17E-02	0.00E+00	-3.20E-08	-1.46E-08	-9.52E-07	1.18E-02	-9.18E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.14E+01	0.00E+00	-3.23E-08	-1.85E-07	-1.62E-02	-7.52E-09	-2.18E+00	0.00E+00	-1.14E+01	-2.41E-04	-1.14E+01	-1.25E+01	-2.18E+00	0.00E+00	0.00E+00	0.00E+00	-7.88E+02
HES126DC	-1.23E-01	-8.19E-01	-1.37E-02	-8.32E-01	0.00E+00	0.00E+00	-2.13E+01	-1.25E-02	-4.59E-03	-7.12E-02	0.00E+00	-1.54E-08	-2.21E-08	-1.44E-06	-4.42E-03	-1.03E+01	0.00E+00	0.00E+00	-1.76E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.88E-08	-2.51E-07	-1.68E-02	-3.63E-09	-2.85E+00	0.00E+00	-1.13E+01	-3.64E-04	-1.13E+01	-1.36E+01	-2.85E+00	0.00E+00	0.00E+00	0.00E+00	-8.22E+02
HES126DR	-7.27E-02	-8.97E-01	-7.93E-03	-7.85E-01	0.00E+00	0.00E+00	-2.28E+01	-8.90E-03	7.30E-05	-5.17E-02	0.00E+00	-3.20E-08	-1.45E-08	-9.48E-07	1.27E-02	-9.23E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.19E-08	-1.84E-07	-1.62E-02	-7.52E-09	-2.41E+00	0.00E+00	-1.11E+01	-2.43E-04	-1.11E+01	-1.24E+01	-2.41E+00	0.00E+00	0.00E+00	0.00E+00	-7.88E+02
HES127DC	-1.23E-01	-8.19E-01	-1.37E-02	-8.32E-01	0.00E+00	0.00E+00	-2.13E+01	-1.25E-02	-4.59E-03	-7.12E-02	0.00E+00	-1.54E-08	-2.21E-08	-1.44E-06	-4.42E-03	-1.03E+01	0.00E+00	0.00E+00	-1.76E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.88E-08	-2.52E-07	-1.68E-02	-3.63E-09	-2.85E+00	0.00E+00	-1.13E+01	-3.64E-04	-1.13E+01	-1.36E+01	-2.85E+00	0.00E+00	0.00E+00	0.00E+00	-8.22E+02
HES160BC	-7.27E-02	-6.40E-01	-1.02E-02	-5.71E-01	0.00E+00	0.00E+00	-2.00E+01	-7.49E-03	-1.29E-03	-4.56E-02	0.00E+00	-1.54E-08	-1.43E-08	-8.56E-07	-1.54E-02	-6.75E+00	0.00E+00	0.00E+00	-1.67E+01	-5.51E-06	-1.01E+01	0.00E+00	-2.15E-08	-1.72E-07	-1.44E-02	-3.63E-09	-1.61E+00	0.00E+00	-1.01E+01	-2.14E-04	-1.01E+01	-1.23E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-7.62E+02
HES160BR	-7.21E-02	-8.83E-01	-1.02E-02	-7.11E-01	0.00E+00	0.00E+00	-2.19E+01	-8.35E-03	-1.47E-03	-5.03E-02	0.00E+00	-3.20E-08	-1.45E-08	-9.75E-07	9.04E-03	-7.55E+00	0.00E+00	0.00E+00	-1.66E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.37E-08	-1.67E-07	-1.51E-02	-7.52E-09	-1.61E+00	0.00E+00	-1.09E+01	-2.36E-04	-1.09E+01	-1.22E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-7.41E+02
HES160DC	-7.27E-02	-6.40E-01	-1.02E-02	-5.71E-01	0.00E+00	0.00E+00	-2.00E+01	-7.49E-03	-1.29E-03	-4.56E-02	0.00E+00	-1.54E-08	-1.43E-08	-8.56E-07	-1.54E-02	-6.75E+00	0.00E+00	0.00E+00	-1.67E+01	-5.51E-06	-1.01E+01	0.00E+00	-2.15E-08	-1.72E-07	-1.44E-02	-3.63E-09	-1.61E+00	0.00E+00	-1.01E+01	-2.14E-04	-1.01E+01	-1.23E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-7.62E+02
HES160DR	-5.96E-02	-8.55E-01	-9.23E-03	-6.75E-01	0.00E+00	0.00E+00	-1.70E+01	-7.06E-03	2.83E-04	-4.36E-02	0.00E+00	-3.20E-08	-1.39E-08	-8.06E-07	1.08E-02	-6.65E+00	0.00E+00	0.00E+00	-1.45E+01	-1.14E-05	-1.04E+01	0.00E+00	-3.25E-08	-1.50E-07	-1.27E-02	-7.52E-09	-1.68E+00	0.00E+00	-1.04E+01	-1.99E-04	-1.04E+01	-1.20E+01	-1.68E+00	0.00E+00	0.00E+00	0.00E+00	-5.97E+02
HES161BC	-1.28E-01	-8.04E-01	-1.56E-02	-7.12E-01	0.00E+00	0.00E+00	-2.25E+01	-1.28E-02	-4.86E-03	-7.33E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-06	-9.10E-03	-1.02E+01	0.00E+00	0.00E+00	-1.83E+01	-5.51E-06	-1.10E+01	0.00E+00	-2.01E-08	-2.45E-07	-1.72E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.10E+01	-3.73E-04	-1.10E+01	-1.30E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.39E+02
HES161BR	-8.18E-02	-8.93E-01	-1.01E-02	-7.14E-01	0.00E+00	0.00E+00	-2.37E+01	-9.70E-03	-1.41E-03	-5.41E-02	0.00E+00	-3.20E-08	-1.49E-08	-1.07E-06	9.12E-03	-9.63E+00	0.00E+00	0.00E+00	-1.81E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.27E-08	-1.91E-07	-1.65E-02	-7.52E-09	-2.35E+00	0.00E+00	-1.09E+01	-2.63E-04	-1.09E+01	-1.24E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	-7.96E+02
HES161DC	-1.22E-01	-7.83E-01	-1.50E-02	-7.04E-01	0.00E+00	0.00E+00	-2.08E+01	-1.21E-02	-4.47E-03	-6.99E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.43E-06	-8.42E-03	-1.01E+01	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.08E+01	0.00E+00	-1.77E-08	-2.36E-07	-1.60E-02	-3.63E-09	-2.84E+00	0.00E+00	-1.08E+01	-3.53E-04	-1.08E+01	-1.28E+01	-2.84E+00	0.00E+00	0.00E+00	0.00E+00	-7.93E+02
HES161DR	-8.21E-02	-8.89E-01	-9.91E-03	-7.14E-01	0.00E+00	0.00E+00	-2.37E+01	-9.79E-03	-4.51E-04	-5.41E-02	0.00E+00	-3.20E-08	-1.48E-08	-1.06E-06	9.65E-03	-9.64E+00	0.00E+00	0.00E+00	-1.81E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.15E-08	-1.90E-07	-1.65E-02	-7.52E-09	-2.52E+00	0.00E+00	-1.09E+01	-2.64E-04	-1.09E+01	-1.24E+01	-2.52E+00	0.00E+00	0.00E+00	0.00E+00	-7.96E+02
HES162DC	-1.28E-01	-8.04E-01	-1.56E-02	-7.04E-01	0.00E+00	0.00E+00	-2.21E+01	-1.28E-02	-4.86E-03	-7.33E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-06	-8.36E-03	-1.02E+01	0.00E+00	0.00E+00	-1.81E+01	-5.51E-06	-1.09E+01	0.00E+00	-1.82E-08	-2.45E-07	-1.69E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.09E+01	-3.73E-04	-1.09E+01	-1.29E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.26E+02
HET050DR	-2.11E-01	-1.28E+00	-1.60E-02	-1.09E+00	0.00E+00	0.00E+00	-4.81E+01	-2.12E-02	-9.01E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.79E-08	-2.33E-06	1.15E-02	-1.76E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.45E+01	0.00E+00	-3.56E-08	-2.94E-07	-2.81E-02	-1.87E-08	-2.90E+00	0.00E+00	-1.45E+01	-6.27E-04	-1.45E+01	-1.65E+01	-2.90E+00	0.00E+00	0.00E+00	0.00E+00	-1.31E+03
HET051DR	-2.18E-01	-1.25E+00	-1.12E-02	-9.97E-01	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.40E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.84E-08	-2.48E-06	2.76E-03	-1.80E+01	0.00E+00	0.00E+00	-3.14E+01	-2.85E-05	-1.46E+01	0.00E+00	-2.57E-08	-2.93E-07	-2.89E-02	-1.87E-08	-2.74E+00	0.00E+00	-1.46E+01	-6.61E-04	-1.46E+01	-1.65E+01	-2.74E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HET063DR	-2.11E-01	-1.28E+00	-1.60E-02	-1.09E+00	0.00E+00	0.00E+00	-4.81E+01	-2.12E-02	-9.01E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.79E-08	-2.33E-06	1.13E-02	-1.76E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.45E+01	0.00E+00	-3.56E-08	-2.94E-07	-2.81E-02	-1.87E-08	-2.90E+00	0.00E+00	-1.45E+01	-6.27E-04	-1.45E+01	-1.65E+01	-2.90E+00	0.00E+00	0.00E+00	0.00E+00	-1.31E+03
HET064DR	-2.18E-01	-1.44E+00	-1.12E-02	-1.44E+00	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.40E-03	-1.19E-01	0.00E+00	-1.34E-07	-2.84E-08	-2.48E-06	2.01E-03	-1.83E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.55E+01	0.00E+00	-2.99E-08	-2.93E-07	-2.89E-02	-3.15E-08	-2.75E+00	0.00E+00	-1.55E+01	-6.61E-04	-1.55E+01	-1.73E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HET100BR	-2.11E-01	-1.28E+00	-1.60E-02	-1.09E+00	0.00E+00	0.00E+00	-4.81E+01	-2.12E-02	-9.01E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.79E-08	-2.33E-06	1.27E-02	-1.76E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.45E+01	0.00E+00	-3.46E-08	-2.94E-07	-2.81E-02	-1.87E-08	-2.88E+00	0.00E+00	-1.45E+01	-6.27E-04	-1.45E+01	-1.65E+01	-2.88E+00	0.00E+00	0.00E+00	0.00E+00	-1.31E+03

HET100DR	-1.48E-01	-1.20E+00	-1.47E-02	-1.00E+00	0.00E+00	0.00E+00	-2.64E+01	-1.57E-02	-4.32E-03	-9.30E-02	0.00E+00	-5.69E-08	-2.55E-08	-1.67E-06	1.99E-02	-1.53E+01	0.00E+00	0.00E+00	-2.05E+01	-2.03E-05	-1.34E+01	0.00E+00	-2.93E-08	-2.51E-07	-1.91E-02	-1.34E-08	-3.01E+00	0.00E+00	-1.34E+01	-4.65E-04	-1.34E+01	-1.47E+01	-3.01E+00	0.00E+00	0.00E+00	0.00E+00	-9.45E+02
HET101BR	-2.18E-01	-1.44E+00	-1.12E-02	-1.44E+00	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.40E-03	-1.19E-01	0.00E+00	-1.34E-07	-2.84E-08	-2.48E-06	2.75E-03	-1.83E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.55E+01	0.00E+00	-2.87E-08	-2.93E-07	-2.89E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.55E+01	-6.61E-04	-1.55E+01	-1.73E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HET101DR	-2.18E-01	-1.44E+00	-1.12E-02	-1.44E+00	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.40E-03	-1.19E-01	0.00E+00	-1.34E-07	-2.84E-08	-2.48E-06	2.75E-03	-1.83E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.55E+01	0.00E+00	-2.87E-08	-2.93E-07	-2.89E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.55E+01	-6.61E-04	-1.55E+01	-1.73E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HET102DR	-2.13E-01	-8.27E-01	-1.66E-03	-7.88E-01	0.00E+00	0.00E+00	-4.09E+01	-2.21E-02	-8.64E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.50E-08	-2.55E-06	1.58E-03	-1.46E+01	0.00E+00	0.00E+00	-2.98E+01	-1.36E-05	-1.01E+01	0.00E+00	1.25E-09	-2.96E-07	-2.74E-02	-8.98E-09	-3.03E+00	0.00E+00	-1.01E+01	-6.33E-04	-1.01E+01	-1.28E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HET125BR	-2.11E-01	-1.28E+00	-1.57E-02	-1.09E+00	0.00E+00	0.00E+00	-4.80E+01	-2.12E-02	-9.17E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.79E-08	-2.33E-06	1.31E-02	-1.74E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.45E+01	0.00E+00	-3.35E-08	-2.94E-07	-2.81E-02	-1.87E-08	-2.81E+00	0.00E+00	-1.45E+01	-6.27E-04	-1.45E+01	-1.65E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-1.31E+03
HET125DR	-2.11E-01	-1.27E+00	-1.57E-02	-1.07E+00	0.00E+00	0.00E+00	-4.80E+01	-2.12E-02	-9.17E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.78E-08	-2.32E-06	1.28E-02	-1.75E+01	0.00E+00	0.00E+00	-3.03E+01	-2.85E-05	-1.45E+01	0.00E+00	-3.35E-08	-2.94E-07	-2.81E-02	-1.87E-08	-2.91E+00	0.00E+00	-1.45E+01	-6.26E-04	-1.45E+01	-1.65E+01	-2.91E+00	0.00E+00	0.00E+00	0.00E+00	-1.31E+03
HET126BR	-2.18E-01	-1.25E+00	-1.11E-02	-9.97E-01	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.54E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.84E-08	-2.48E-06	3.63E-03	-1.78E+01	0.00E+00	0.00E+00	-3.14E+01	-2.85E-05	-1.47E+01	0.00E+00	-2.32E-08	-2.93E-07	-2.89E-02	-1.87E-08	-2.65E+00	0.00E+00	-1.47E+01	-6.61E-04	-1.47E+01	-1.65E+01	-2.65E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HET126DR	-2.18E-01	-1.23E+00	-1.11E-02	-9.49E-01	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.54E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.83E-08	-2.47E-06	3.20E-03	-1.78E+01	0.00E+00	0.00E+00	-3.15E+01	-2.85E-05	-1.47E+01	0.00E+00	-2.32E-08	-2.93E-07	-2.89E-02	-1.87E-08	-2.75E+00	0.00E+00	-1.47E+01	-6.60E-04	-1.47E+01	-1.65E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HET127DR	-2.13E-01	-8.02E-01	-1.25E-03	-7.49E-01	0.00E+00	0.00E+00	-4.08E+01	-2.21E-02	-8.78E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.49E-08	-2.54E-06	1.72E-03	-1.46E+01	0.00E+00	0.00E+00	-3.00E+01	-1.36E-05	-1.01E+01	0.00E+00	3.71E-09	-2.96E-07	-2.73E-02	-8.98E-09	-3.08E+00	0.00E+00	-1.01E+01	-6.32E-04	-1.01E+01	-1.28E+01	-3.08E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HET160BR	-2.18E-01	-1.29E+00	-1.59E-02	-1.09E+00	0.00E+00	0.00E+00	-4.85E+01	-2.20E-02	-9.34E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.93E-08	-2.47E-06	1.48E-02	-1.76E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.47E+01	0.00E+00	-3.41E-08	-3.22E-07	-2.84E-02	-1.87E-08	-2.87E+00	0.00E+00	-1.47E+01	-6.56E-04	-1.47E+01	-1.66E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-1.32E+03
HET160DR	-1.59E-01	-1.20E+00	-1.45E-02	-1.00E+00	0.00E+00	0.00E+00	-2.70E+01	-1.68E-02	-4.61E-03	-9.54E-02	0.00E+00	-5.69E-08	-2.69E-08	-1.84E-06	2.22E-02	-1.53E+01	0.00E+00	0.00E+00	-2.04E+01	-2.03E-05	-1.36E+01	0.00E+00	-2.87E-08	-2.80E-07	-1.95E-02	-1.34E-08	-2.99E+00	0.00E+00	-1.36E+01	-4.95E-04	-1.36E+01	-1.48E+01	-2.99E+00	0.00E+00	0.00E+00	0.00E+00	-9.58E+02
HET161BR	-2.26E-01	-1.45E+00	-1.13E-02	-1.44E+00	0.00E+00	0.00E+00	-4.92E+01	-2.34E-02	-9.72E-03	-1.22E-01	0.00E+00	-1.34E-07	-2.98E-08	-2.61E-06	4.71E-03	-1.82E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.57E+01	0.00E+00	-2.81E-08	-3.21E-07	-2.91E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.57E+01	-6.90E-04	-1.57E+01	-1.74E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HET161DR	-2.26E-01	-1.45E+00	-1.13E-02	-1.44E+00	0.00E+00	0.00E+00	-4.92E+01	-2.34E-02	-9.72E-03	-1.22E-01	0.00E+00	-1.34E-07	-2.98E-08	-2.61E-06	4.71E-03	-1.82E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.57E+01	0.00E+00	-2.81E-08	-3.21E-07	-2.91E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.57E+01	-6.90E-04	-1.57E+01	-1.74E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HET162DR	-2.21E-01	-8.28E-01	-1.61E-03	-7.88E-01	0.00E+00	0.00E+00	-4.13E+01	-2.31E-02	-8.96E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.61E-08	-2.69E-06	3.48E-03	-1.47E+01	0.00E+00	0.00E+00	-2.98E+01	-1.36E-05	-1.02E+01	0.00E+00	3.16E-09	-3.25E-07	-2.76E-02	-8.98E-09	-3.11E+00	0.00E+00	-1.02E+01	-6.69E-04	-1.02E+01	-1.29E+01	-3.11E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HET200BR	-2.20E-01	-1.24E+00	-1.28E-02	-1.04E+00	0.00E+00	0.00E+00	-4.86E+01	-2.23E-02	-9.37E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.90E-08	-2.49E-06	1.51E-02	-1.82E+01	0.00E+00	0.00E+00	-3.07E+01	-2.85E-05	-1.42E+01	0.00E+00	-3.80E-08	-3.13E-07	-2.85E-02	-1.87E-08	-2.90E+00	0.00E+00	-1.42E+01	-6.59E-04	-1.42E+01	-1.66E+01	-2.90E+00	0.00E+00	0.00E+00	0.00E+00	-1.32E+03
HET200DR	-1.76E-01	-1.20E+00	-1.27E-02	-1.01E+00	0.00E+00	0.00E+00	-3.20E+01	-1.81E-02	-7.08E-03	-1.00E-01	0.00E+00	-5.69E-08	-2.68E-08	-2.01E-06	2.16E-02	-1.63E+01	0.00E+00	0.00E+00	-2.27E+01	-2.03E-05	-1.35E+01	0.00E+00	-3.29E-08	-2.78E-07	-2.15E-02	-1.34E-08	-2.67E+00	0.00E+00	-1.35E+01	-5.28E-04	-1.35E+01	-1.49E+01	-2.67E+00	0.00E+00	0.00E+00	0.00E+00	-1.09E+03
HET201BR	-2.27E-01	-1.19E+00	-8.04E-03	-9.12E-01	0.00E+00	0.00E+00	-4.95E+01	-2.37E-02	-9.75E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.96E-08	-2.63E-06	5.01E-03	-1.87E+01	0.00E+00	0.00E+00	-3.20E+01	-2.85E-05	-1.44E+01	0.00E+00	-2.60E-08	-3.11E-07	-2.94E-02	-1.87E-08	-2.74E+00	0.00E+00	-1.44E+01	-6.93E-04	-1.44E+01	-1.66E+01	-2.74E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HET201DR	-2.27E-01	-1.20E+00	-8.52E-03	-9.12E-01	0.00E+00	0.00E+00	-4.95E+01	-2.37E-02	-9.75E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.96E-08	-2.63E-06	4.37E-03	-1.87E+01	0.00E+00	0.00E+00	-3.20E+01	-2.85E-05	-1.44E+01	0.00E+00	-2.60E-08	-3.14E-07	-2.94E-02	-1.87E-08	-2.74E+00	0.00E+00	-1.44E+01	-6.93E-04	-1.44E+01	-1.67E+01	-2.74E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HET202DR	-2.23E-01	-7.68E-01	6.39E-04	-6.69E-01	0.00E+00	0.00E+00	-4.16E+01	-2.34E-02	-8.92E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.59E-08	-2.72E-06	2.96E-03	-1.54E+01	0.00E+00	0.00E+00	-3.03E+01	-1.36E-05	-9.74E+00	0.00E+00	2.67E-09	-3.20E-07	-2.79E-02	-8.98E-09	-3.03E+00	0.00E+00	-9.74E+00	-6.73E-04	-9.74E+00	-1.29E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HET250BR	-2.20E-01	-1.21E+00	-1.81E-02	-9.93E-01	0.00E+00	0.00E+00	-4.87E+01	-2.24E-02	-9.30E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.98E-08	-2.51E-06	1.15E-02	-1.79E+01	0.00E+00	0.00E+00	-3.09E+01	-2.85E-05	-1.37E+01	0.00E+00	-2.87E-08	-3.16E-07	-2.87E-02	-1.87E-08	-3.02E+00	0.00E+00	-1.37E+01	-6.62E-04	-1.37E+01	-1.63E+01	-3.02E+00	0.00E+00	0.00E+00	0.00E+00	-1.33E+03
HET250DR	-1.76E-01	-1.17E+00	-1.75E-02	-9.64E-01	0.00E+00	0.00E+00	-3.22E+01	-1.82E-02	-7.00E-03	-1.00E-01	0.00E+00	-5.69E-08	-2.76E-08	-2.03E-06	1.79E-02	-1.60E+01	0.00E+00	0.00E+00	-2.29E+01	-2.03E-05	-1.30E+01	0.00E+00	-2.36E-08	-2.79E-07	-2.18E-02	-1.34E-08	-2.78E+00	0.00E+00	-1.30E+01	-5.31E-04	-1.30E+01	-1.43E+01	-2.78E+00	0.00E+00	0.00E+00	0.00E+00	-1.10E+03
HET251BR	-2.27E-01	-1.18E+00	-1.36E-02	-8.93E-01	0.00E+00	0.00E+00	-4.94E+01	-2.37E-02	-9.64E-03	-1.22E-01	0.00E+00	-7.97E-08	-3.04E-08	-2.64E-06	2.72E-03	-1.82E+01	0.00E+00	0.00E+00	-3.21E+01	-2.85E-05	-1.38E+01	0.00E+00	-1.82E-08	-3.15E-07	-2.95E-02	-1.87E-08	-2.84E+00	0.00E+00	-1.38E+01	-6.95E-04	-1.38E+01	-1.63E+01	-2.84E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HET251DR	-2.26E-01	-7.17E-01	-1.59E-03	-6.36E-01	0.00E+00	0.00E+00	-4.15E+01	-2.36E-02	-9.07E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.65E-08	-2.69E-06	3.49E-03	-1.49E+01	0.00E+00	0.00E+00	-2.99E+01	-1.36E-05	-9.29E+00	0.00E+00	1.66E-08	-3.20E-07	-2.80E-02	-8.98E-09	-3.09E+00	0.00E+00	-9.29E+00	-6.69E-04	-9.29E+00	-1.24E+01	-3.09E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HET252DR	-2.23E-01	-7.21E-01	-1.68E-03	-6.36E-01	0.00E+00	0.00E+00	-4.15E+01	-2.34E-02	-8.90E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.67E-08	-2.72E-06	1.53E-03	-1.49E+01	0.00E+00	0.00E+00	-3.02E+01	-1.36E-05	-9.29E+00	0.00E+00	1.54E-08	-3.19E-07	-2.80E-02	-8.98E-09	-3.04E+00	0.00E+00	-9.29E+00	-6.75E-04	-9.29E+00	-1.24E+01	-3.04E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HEW250DR	-5.49E-01	-2.24E+00	-2.39E-02	-2.32E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.79E-02	-3.33E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.05E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.26E+00	0.00E+00	-3.05E+01	-1.61E-03	-3.05E+01	-3.72E+01	-8.26E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HEW251DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.51E-06	-6.10E-08	-6.41E-06	4.76E-02	-4.21E+01	0.00E+00	0.00E+00	-1.04E+02	-5.58E-04	-4.06E+01	0.00E+00	-1.39E-07	-7.52E-07	-8.91E-02	-3.64E-07	-8.10E+00	0.00E+00	-4.06E+01	-1.61E-03	-4.06E+01	-4.86E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HEW320BR	-5.30E-01	-2.16E+00	-1.68E-02	-2.29E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.36E-02	-2.83E-01	0.00E+00	-5.05E-07	-4.69E-08	-6.24E-06	-1.71E-02	-2.64E+01	0.00E+00	0.00E+00	-9.81E+01	-1.87E-04	-2.38E+01	0.00E+00	-3.71E-08	-5.00E-07	-8.37E-02	-1.24E-07	-4.79E+00	0.00E+00	-2.38E+01	-1.54E-03	-2.38E+01	-2.94E+01	-4.79E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HEW320DR	-5.49E-01	-2.24E+00	-2.39E-02	-2.32E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.79E-02	-3.33E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.05E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.26E+00	0.00E+00	-3.05E+01	-1.61E-03	-3.05E+01	-3.72E+01	-8.26E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HEW321BR	-5.30E-01	-3.05E+00	-3.39E-03	-3.45E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.40E-02	-2.83E-01	0.00E+00	-7.20E-07	-4.69E-08	-6.24E-06	3.95E-02	-2.58E+01	0.00E+00	0.00E+00	-9.81E+01	-2.64E-04	-2.55E+01	0.00E+00	-3.97E-08	-5.07E-07	-8.37E-02	-1.75E-07	-4.25E+00	0.00E+00	-2.55E+01	-1.54E-03	-2.55E+01	-2.98E+01	-4.25E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HEW321DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.54E-06	-6.10E-08	-6.41E-06	4.73E-02	-4.20E+01	0.00E+00	0.00E+00	-1.04E+02	-5.66E-04	-4.06E+01	0.00E+00	-1.39E-07	-7.52E-07	-8.91E-02	-3.70E-07	-8.10E+00	0.00E+00	-4.06E+01	-1.61E-03	-4.06E+01	-4.86E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HEW400DR	-5.51E-01	-2.37E+00	-3.91E-02	-2.39E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.39E-06	-6.81E-08	-6.47E-06	-4.13E-02	-4.36E+01	0.00E+00	0.00E+00	-1.04E+02	-5.00E-04	-3.42E+01	0.00E+00	-8.57E-08	-9.42E-07	-9.02E-02	-3.28E-07	-9.78E+00	0.00E+00	-3.42E+01	-1.62E-03	-3.42E+01	-4.34E+01	-9.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HEW401DR	-5.54E-01	-5.05E+00	-2.58E-02	-5.05E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-1.88E-06	-6.85E-08	-6.47E-06	3.74E-02	-6.80E+01	0.00E+00	0.00E+00	-1.04E+02	-6.73E-04	-4.86E+01	0.00E+00	-1.83E-07	-9.70E-07	-9.02E-02	-4.38E-07	-9.78E+00	0.00E+00	-4.86E+01	-1.62E-03	-4.86E+01	-6.14E+01	-9.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HEW500BR	-5.32E-01	-4.07E+00	-3.20E-02	-4.26E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.36E-02	-2.85E-01	0.00E+00	-1.34E-06	-5.48E-08	-6.29E-06	-4.15E-02	-4.44E+01	0.00E+00	0.00E+00	-9.86E+01	-4.70E-04	-3.78E+01	0.00E+00	-1.28E-07	-7.23E-07	-8.48E-02	-3.09E-07	-6.90E+00	0.00E+00	-3.78E+01	-1.54E-03	-3.78E+01	-4.76E+01	-6.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HEW501BR	-5.32E-01	-4.28E+00	-1.86E-02	-4.57E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.40E-02	-2.85E-01	0.00E+00	-1.41E-06	-5.48E-08	-6.29E-06	2.31E-02	-4.26E+01	0.00E+00	0.00E+00	-9.86E+01	-4.98E-04	-3.71E+01	0.00E+00	-1.09E-07	-7.31E-07	-8.48E-02	-3.27E-07	-6.33E+00	0.00E+00	-3.71E+01	-1.54E-03	-3.71E+01	-4.62E+01	-6.33E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HHA014E	-4.61E-02	-1.87E-01	-7.71E-03	-1.84E-01	0.00E+00	0.00E+00	-8.15E+00	-4.24E-03	1.24E-04	-1.89E-02	0.00E+00	0.00E+00	-4.47E-09	-5.86E-07	3.40E-03	-2.61E+00	0.00E+00	0.00E+00	-7.34E+00	0.00E+00	-2.14E+00	0.00E+00	-5.97E-09	-6.21E-08	-5.96E-03	0.00E+00	-6.51E-01	0.00E+00	-2.14E+00	-1.37E-04	-2.14E+00	-2.42E+00	-6.51E-01	0.00E+00	0.00E+00	0.00E+00	-2.90E+02
HHA014Z	-7.09E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.47E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.15E-07	3.11E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.26E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
HHA016Z	-2.46E-02	-8.73E-02	-1.29E-03	-8.19E-02	0.00E+00	0.00E+00	-4.53E+00	-2.43E-03	2.79E-04	-1.28E-02	0.00E+00	0.00E+00	-4.88E-09	-2.86E-07	3.19E-03	-2.34E+00	0.00E+00	0.00E+00	-4.27E+00	0.00E+00	-9.59E-01	0.00E+00	4.84E-09	-4.48E-08	-3.76E-03	0.00E+00	-4.35E-01	0.00E+00	-9.59E-01	-7.09E-05	-9.59E-01	-1.07E+00	-4.35E-01	0.00E+00	0.00E+00	0.00E+00	-1.97E+02
HHA017Z	-3.06E-02	1.75E-02	1.24E-02	2.26E-02	0.00E+00	0.00E+00	-3.89E+00	-3.98E-03	2.87E-03	-1.75E-02	0.00E+00	0.00E+00	-6.39E-09	-4.00E-07	1.87E-02	-5.04E+00	0.00E+00	0.00E+00	-5.66E+00	0.00E+00	7.31E-01	0.00E+00	2.14E-08	-7.19E-08	-5.86E-03	0.00E+00	-6.51E-01	0.00E+00	7.31E-01	-1.15E-04	7.31E-01	2.99E-01	-6.51E-01	0.00E+00	0.00E+00	0.00E+00	-2.21E+02
HHA018E	-4.61E-02	-1.87E-01	-7.71E-03	-1.84E-01	0.00E+00	0.00E+00	-8.15E+00	-4.23E-03	1.24E-04	-1.89E-02	0.00E+00	0.00E+00	-4.47E-09	-5.86E-07	3.35E-03	-2.61E+00	0.00E+00	0.00E+00	-7.34E+00	0.00E+00	-2.14E+00	0.00E+00	-5.97E-09	-6.21E-08	-5.96E-03	0.00E+00	-6.51E-01	0.00E+00	-2.14E+00	-1.37E-04	-2.14E+00	-2.42E+00	-6.51E-01	0.00E+00	0.00E+00	0.00E+00	-2.90E+02
HHA018Z	-7.09E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.47E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.15E-07	3.11E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.26E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
HHA020Z	-2.59E-02	-9.71E-02	-1.37E-03	-1.03E-01	0.00E+00	0.00E+00	-4.68E+00	-2.57E-03	2.42E-04	-1.29E-02	0.00E+00	0.00E+00	-5.27E-09	-3.02E-07	3.15E-03	-2.93E+00	0.00E+00	0.00E+00	-4.28E+00	0.00E+00	-9.87E-01	0.00E+00	4.12E-09	-4.99E-08	-3.79E-03	0.00E+00	-5.12E-01	0.00E+00	-9.87E-01	-7.52E-05	-9.87E-01	-1.14E+00	-5.12E-01	0.00E+00	0.00E+00	0.00E+00	-1.97E+02
HHA021Z	-8.90E-02	-1.04E+00	-4.58E-03	-9.07E-01	0.00E+00	0.00E+00	-2.02E+01	-8.33E-03	-3.81E-03	-5.17E-02	0.00E+00	-2.53E-07	-2.18E-08	-1.08E-06	1.34E-02	-1.29E+01	0.00E+00	0.00E+00	-1.47E+01	-9.04E-05	-1.46E+01	0.00E+00	-5.44E-08	-2.78E-07	-1.60E-02	-6.15E-08	-2.87E+00	0.00E+00	-1.46E+01	-2.80E-04	-1.46E+01	-1.67E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-7.46E+02
HHA023E	-4.61E-02	-1.87E-01	-7.71E-03	-1.84E-01	0.00E+00	0.00E+00	-8.15E+00	-4.23E-03	1.24E-04	-1.89E-02	0.00E+00	0.00E+00	-4.47E-09	-5.86E-07	3.34E-03	-2.61E+00	0.00E+00	0.00E+00	-7.34E+00	0.00E+00	-2.14E+00	0.00E+00	-5.97E-09	-6.21E-08	-5.96E-03	0.00E+00	-6.51E-01	0.00E+00	-2.14E+00	-1.37E-04	-2.14E+00	-2.42E+00	-6.51E-01	0.00E+00	0.00E+00	0.00E+00	-2.90E+02
HHA023Z	-7.09E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.46E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.15E-07	3.06E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.26E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
HHA025H	-2.73E-02	1.11E-01	3.15E-05	8.28E-02	0.00E+00	0.00E+00	-6.72E+00	-2.93E-03	1.09E-03	-1.73E-02	0.00E+00	0.00E+00	-8.02E-09	-3.23E-07	1.08E-03	-3.33E+00	0.00E+00	0.00E+00	-7.06E+00	0.00E+00	1.85E+00	0.00E+00	2.76E-08	-9.54E-08	-6.40E-03	0.00E+00	-7.67E-01	0.00E+00	1.85E+00	-9.53E-05	1.85E+00	1.56E+00	-7.67E-01	0.00E+00	0.00E+00	0.00E+00	-3.09E+02
HHA025U	-2.42E-02	-1.39E-01	4.51E-03	-1.51E-01	0.00E+00	0.00E+00	-3.98E+00	-2.43E-03	1.21E-03	-1.53E-02	0.00E+00	0.00E+00	-6.59E-09	-2.63E-07	2.89E-03	-3.13E+00	0.00E+00	0.00E+00	-4.73E+00	0.00E+00	-1.48E+00	0.00E+00	5.71E-09	-5.46E-08	-4.27E-03	0.00E+00	-4.55E-01	0.00E+00	-1.48E+00	-7.53E-05	-1.48E+00	-1.80E+00	-4.55E-01	0.00E+00	0.00E+00	0.00E+00	-2.06E+02
HHA025Z	-2.23E-02	-9.07E-02	-2.47E-04	-8.42E-02	0.00E+00	0.00E+00	-4.21E+00	-2.26E-03	6.21E-04	-1.25E-02	0.00E+00	0.00E+00	-5.03E-09	-2.65E-07	3.01E-03	-2.25E+00	0.00E+00	0.00E+00	-4.27E+00	0.00E+00	-1.06E+00	0.00E+00	5.47E-09	-4.48E-08	-3.75E-03	0.00E+00	-4.29E-01	0.00E+00	-1.06E+00	-6.66E-05	-1.06E+00	-1.09E+00	-4.29E-01	0.00E+00	0.00E+00	0.00E+00	-1.97E+02
HHA026H	-5.56E-02	-2.38E-03	7.61E-03	5.18E-02	0.00E+00	0.00E+00	-9.40E+00	-6.19E-03	-1.07E-03	-3.00E-02	0.00E+00	0.00E+00	-9.26E-09	-6.56E-07	1.63E-02	-6.74E+00	0.00E+00	0.00E+00	-1.04E+01	0.00E+00	2.26E+00	0.00E+00	3.23E-08	-1.13E-07	-9.73E-03	0.00E+00	-1.63E+00	0.00E+00	2.26E+00	-1.86E-04	2.26E+00	1.27E+00	-1.63E+00	0.00E+00	0.00E+00	0.00E+00	-4.55E+02
HHA026U	-8.99E-02	-1.04E+00	-3.89E-03	-8.94E-01	0.00E+00	0.00E+00	-1.96E+01	-8.56E-03	-3.79E-03	-5.26E-02	0.00E+00	-2.53E-07	-2.18E-08	-1.09E-06	1.32E-02	-1.29E+01	0.00E+00	0.00E+00	-1.46E+01	-9.04E-05	-1.41E+01	0.00E+00	-5.30E-08	-2.77E-07	-1.61E-02	-6.15E-08	-2.87E+00	0.00E+00	-1.41E+01	-2.87E-04	-1.41E+01	-1.63E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-7.46E+02
HHA026Z	-3.18E-02	4.14E-02	1.06E-02	4.77E-02	0.00E+00	0.00E+00	-5.03E+00	-3.87E-03	1.74E-03	-1.78E-02	0.00E+00	0.00E+00	-6.69E-09	-4.08E-07	1.94E-02	-4.27E+00	0.00E+00	0.00E+00	-6.77E+00	0.00E+00	7.22E-01	0.00E+00	2.15E-08	-7.57E-08	-6.22E-03	0.00E+00	-7.82E-01	0.00E+00	7.22E-01	-1.15E-04	7.22E-01	2.71E-01	-7.82E-01	0.00E+00	0.00E+00	0.00E+00	-2.84E+02
HHA030E	-4.61E-02	-1.87E-01	-7.71E-03	-1.84E-01	0.00E+00	0.00E+00	-8.15E+00	-4.24E-03	1.24E-04	-1.89E-02	0.00E+00	0.00E+00	-4.47E-09	-5.86E-07	3.40E-03	-2.61E+00	0.00E+00	0.00E+00	-7.34E+00	0.00E+00	-2.14E+00	0.00E+00	-5.97E-09	-6.21E-08	-5.96E-03	0.00E+00	-6.51E-01	0.00E+00	-2.14E+00	-1.37E-04	-2.14E+00	-2.42E+00	-6.51E-01	0.00E+00	0.00E+00	0.00E+00	-2.90E+02
HHA030Z	-7.12E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.49E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.18E-07	3.09E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.27E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
HHA032Z	-5.30E-02	-9.45E-01	-1.01E-02	-8.52E-01	0.00E+00	0.00E+00	-1.17E+01	-4.49E-03	-7.74E-04	-3.04E-02	0.00E+00	-2.53E-07	-1.84E-08	-6.49E-07	1.01E-03	-9.58E+00	0.00E+00	0.00E+00	-1.12E+01	-9.04E-05	-1.36E+01	0.00E+00	-5.46E-08	-2.26E-07	-9.93E-03	-6.15E-08	-2.63E+00	0.00E+00	-1.36E+01	-1.70E-04	-1.36E+01	-1.50E+01	-2.63E+00	0.00E+00	0.00E+00	0.00E+00	-5.26E+02
HHA033Z	-3.39E-02	1.41E-02	1.53E-02	-2.88E-02	0.00E+00	0.00E+00	-4.67E+00	-4.29E-03	2.34E-03	-1.80E-02	0.00E+00	0.00E+00	-3.88E-09	-4.31E-07	2.20E-02	-4.61E+00	0.00E+00	0.00E+00	-6.18E+00	0.00E+00	2.75E-01	0.00E+00	1.95E-08	-5.42E-08	-5.76E-03	0.00E+00	-5.77E-01	0.00E+00	2.75E-01	-1.25E-04	2.75E-01	-1.10E-01	-5.77E-01	0.00E+00	0.00E+00	0.00E+00	-2.23E+02
HHA038Z	-7.12E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.48E-03	-1.16E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.18E-07	3.05E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.27E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
HHA040H	-5.86E-02	2.87E-02	3.20E-03	-3.50E-02	0.00E+00	0.00E+00	-9.21E+00	-6.07E-03	3.43E-04	-2.47E-02	0.00E+00	0.00E+00	-5.46E-09	-7.27E-07	2.21E-03	-4.07E+00	0.00E+00	0.00E+00	-1.03E+01	0.00E+00	1.62E+00	0.00E+00	2.68E-08	-9.68E-08	-8.42E-03	0.00E+00	-7.52E-01	0.00E+00	1.62E+00	-1.91E-04	1.62E+00	1.10E+00	-7.52E-01	0.00E+00	0.00E+00	0.00E+00	-4.13E+02
HHA040U	-6.24E-02	-1.13E+00	-2.23E-02	-1.11E+00	0.00E+00	0.00E+00	-1.65E+01	-6.04E-03	-3.19E-03	-4.02E-02	0.00E+00	0.00E+00	-1.38E-08	-7.05E-07	-2.27E-02	-7.02E+00	0.00E+00	0.00E+00	-1.68E+01	0.00E+00	-1.16E+01	0.00E+00	-5.46E-08	-1.65E-07	-1.26E-02	0.00E+00	-1.88E+00	0.00E+00	-1.16E+01	-1.91E-04	-1.16E+01	-1.35E+01	-1.88E+00	0.00E+00	0.00E+00	0.00E+00	-7.14E+02
HHA040Z	-5.06E-02	-9.39E-01	-7.75E-03	-8.50E-01	0.00E+00	0.00E+00	-1.05E+01	-4.31E-03	-1.98E-04	-2.97E-02	0.00E+00	-2.53E-07	-1.80E-08	-6.14E-07	2.03E-03	-9.60E+00	0.00E+00	0.00E+00	-1.01E+01	-9.04E-05	-1.36E+01	0.00E+00	-5.41E-08	-2.20E-07	-9.56E-03	-6.15E-08	-2.57E+00	0.00E+00	-1.36E+01	-1.67E-04	-1.36E+01	-1.50E+01	-2.57E+00	0.00E+00	0.00E+00	0.00E+00	-4.70E+02
HHA041H	-6.13E-02	-4.12E-01	7.62E-03	-3.44E-01	0.00E+00	0.00E+00	-1.23E+01	-6.87E-03	-1.28E-03	-3.48E-02	0.00E+00	0.00E+00	-6.93E-09	-7.36E-07	1.13E-02	-8.15E+00	0.00E+00	0.00E+00	-1.23E+01	0.00E+00	-3.36E+00	0.00E+00	-2.05E-09	-1.02E-07	-1.10E-02	0.00E+00	-1.45E+00	0.00E+00	-3.36E+00	-2.07E-04	-3.36E+00	-4.72E+00	-1.45E+00	0.00E+00	0.00E+00	0.00E+00	-5.35E+02
HHA041U	-8.76E-02	-1.03E+00	-4.58E-03	-8.68E-01	0.00E+00	0.00E+00	-1.92E+01	-8.36E-03	-2.78E-03	-5.18E-02	0.00E+00	-2.53E-07	-2.14E-08	-1.06E-06	1.06E-02	-1.22E+01	0.00E+00	0.00E+00	-1.43E+01	-9.04E-05	-1.41E+01	0.00E+00	-5.25E-08	-2.71E-07	-1.59E-02	-6.15E-08	-2.67E+00	0.00E+00	-1.41E+01	-2.81E-04	-1.41E+01	-1.62E+01	-2.67E+00	0.00E+00	0.00E+00	0.00E+00	-7.27E+02
HHA041Z	-8.89E-02	-1.03E+00	-4.58E-03	-8.81E-01	0.00E+00	0.00E+00	-2.02E+01	-8.36E-03	-3.79E-03	-5.23E-02	0.00E+00	-2.53E-07	-2.18E-08	-1.08E-06	1.09E-02	-1.29E+01	0.00E+00	0.00E+00	-1.48E+01	-9.04E-05	-1.45E+01	0.00E+00	-5.39E-08	-2.79E-07	-1.63E-02	-6.15E-08	-2.90E+00	0.00E+00	-1.45E+01	-2.79E-04	-1.45E+01	-1.66E+01	-2.90E+00	0.00E+00	0.00E+00	0.00E+00	-7.53E+02
HHA048Z	-7.12E-02	-1.05E+00	-1.24E-02	-9.19E-01	0.00E+00	0.00E+00	-1.58E+01	-6.49E-03	-1.18E-03	-3.83E-02	0.00E+00	-2.53E-07	-1.70E-08	-9.19E-07	3.38E-03	-9.63E+00	0.00E+00	0.00E+00	-1.35E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.77E-08	-2.33E-07	-1.13E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.43E+01	-2.27E-04	-1.43E+01	-1.49E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
HHA050Z	-5.04E-02	-9.39E-01	-6.63E-03	-8.48E-01	0.00E+00	0.00E+00	-1.05E+01	-4.30E-03	2.18E-05	-3.00E-02	0.00E+00	-2.53E-07	-1.80E-08	-6.15E-07	3.34E-03	-9.46E+00	0.00E+00	0.00E+00	-1.02E+01	-9.04E-05	-1.36E+01	0.00E+00	-5.38E-08	-2.21E-07	-9.60E-03	-6.15E-08	-2.54E+00	0.00E+00	-1.36E+01	-1.67E-04	-1.36E+01	-1.50E+01	-2.54E+00	0.00E+00	0.00E+00	0.00E+00	-4.78E+02
HHA051Z	-3.02E-02	1.41E-02	1.64E-02	-2.85E-02	0.00E+00	0.00E+00	-4.27E+00	-4.06E-03	2.53E-03	-1.73E-02	0.00E+00	0.00E+00	-3.86E-09	-3.94E-07	2.47E-02	-4.44E+00	0.00E+00	0.00E+00	-6.18E+00	0.00E+00	3.42E-01	0.00E+00	2.17E-08	-5.22E-08	-5.74E-03	0.00E+00	-5.15E-01	0.00E+00	3.42E-01	-1.19E-04	3.42E-01	-4.92E-02	-5.15E-01	0.00E+00	0.00E+00	0.00E+00	-2.23E+02
HHA061Z	-1.88E-02	7.68E-02	1.60E-03	7.52E-02	0.00E+00	0.00E+00	-3.01E+00	-1.94E-03	-6.93E-04	-9.09E-03	0.00E+00	0.00E+00	-2.49E-09	-2.24E-07	6.34E-03	-1.37E+00	0.00E+00	0.00E+00	-3.06E+00	0.00E+00	5.01E-01	0.00E+00	9.10E-09	-3.00E-08	-2.66E-03	0.00E+00	-2.22E-01	0.00E+00	5.01E-01	-5.96E-05	5.01E-01	2.79E-01	-2.22E-01	0.00E+00	0.00E+00	0.00E+00	-1.41E+02
HHA063H	-5.79E-02	-2.92E-01	-1.47E-03	-2.90E-01	0.00E+00	0.00E+00	-1.03E+01	-5.84E-03	-2.42E-03	-3.13E-02	0.00E+00	0.00E+00	-7.77E-09	-6.77E-07	8.49E-03	-9.28E+00	0.00E+00	0.00E+00	-1.02E+01	0.00E+00	-9.60E-01	0.00E+00	6.04E-09	-1.03E-07	-8.94E-03	0.00E+00	-1.56E+00	0.00E+00	-9.60E-01	-1.80E-04	-9.60E-01	-2.52E+00	-1.56E+00	0.00E+00	0.00E+00	0.00E+00	-4.59E+02
HHA063U	7.76E-03	8.17E-01	3.10E-02	7.86E-01	0.00E+00	0.00E+00	6.87E+00	1.34E-05	4.41E-03	7.53E-03	0.00E+00	0.00E+00	1.55E-09	5.33E-08	3.79E-02	1.91E+00	0.00E+00	0.00E+00	5.90E+00	0.00E+00	8.48E+00	0.00E+00	6.64E-08	3.52E-08	2.23E-03	0.00E+00	9.85E-01	0.00E+00	8.48E+00	1.71E-06	8.48E+00	9.47E+00	9.85E-01	0.00E+00	0.00E+00	0.00E+00	2.18E+02
HHA063Z	-4.81E-02	-9.40E-01	-5.73E-03	-8.44E-01	0.00E+00	0.00E+00	-1.03E+01	-4.10E-03	3.95E-04	-2.89E-02	0.00E+00	-2.53E-07	-1.77E-08	-5.97E-07	5.45E-03	-9.38E+00	0.00E+00	0.00E+00	-9.87E+00	-9.04E-05	-1.35E+01	0.00E+00	-5.13E-08	-2.12E-07	-9.59E-03	-6.15E-08	-2.49E+00	0.00E+00	-1.35E+01	-1.63E-04	-1.35E+01	-1.48E+01	-2.49E+00	0.00E+00	0.00E+00	0.00E+00	-4.61E+02
HHA064H	-6.31E-02	-3.94E-01	1.04E-02	-3.46E-01	0.00E+00	0.00E+00	-1.24E+01	-7.02E-03	-1.38E-03	-3.54E-02	0.00E+00	0.00E+00	-6.41E-09	-7.81E-07	1.54E-02	-8.16E+00	0.00E+00	0.00E+00	-1.20E+01	0.00E+00	-3.20E+00	0.00E+00	2.27E-09	-9.61E-08	-1.11E-02	0.00E+00	-1.25E+00	0.00E+00	-3.20E+00	-2.10E-04	-3.20E+00	-4.49E+00	-1.25E+00	0.00E+00	0.00E+00	0.00E+00	-5.33E+02
HHA064U	-9.21E-02	-1.04E+00	-2.61E-03	-8.77E-01	0.00E+00	0.00E+00	-1.78E+01	-8.88E-03	-2.99E-03	-4.82E-02	0.00E+00	-2.53E-07	-2.12E-08	-1.16E-06	1.50E-02	-1.15E+01	0.00E+00	0.00E+00	-1.32E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.11E-08	-2.65E-07	-1.48E-02	-6.15E-08	-2.50E+00	0.00E+00	-1.43E+01	-2.97E-04	-1.43E+01	-1.63E+01	-2.50E+00	0.00E+00	0.00E+00	0.00E+00	-6.62E+02
HHA064Z	-8.85E-02	-1.03E+00	-3.77E-03	-8.81E-01	0.00E+00	0.00E+00	-2.01E+01	-8.27E-03	-3.79E-03	-5.20E-02	0.00E+00	-2.53E-07	-2.17E-08	-1.07E-06	1.27E-02	-1.28E+01	0.00E+00	0.00E+00	-1.48E+01	-9.04E-05	-1.45E+01	0.00E+00	-5.29E-08	-2.77E-07	-1.63E-02	-6.15E-08	-2.86E+00	0.00E+00	-1.45E+01	-2.79E-04	-1.45E+01	-1.66E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-7.56E+02
HHA078Z	-5.88E-02	-8.91E-01	-1.24E-02	-8.02E-01	0.00E+00	0.00E+00	-1.23E+01	-6.26E-03	6.43E-05	-2.81E-02	0.00E+00	-8.52E-08	-9.18E-09	-7.60E-07	6.68E-03	-5.97E+00	0.00E+00	0.00E+00	-9.44E+00	-3.05E-05	-1.06E+01	0.00E+00	-4.45E-08	-1.40E-07	-7.75E-03	-1.76E-08	-2.86E+00	0.00E+00	-1.06E+01	-1.88E-04	-1.06E+01	-1.06E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-3.99E+02
HHA080H	-4.75E-02	1.73E-01	8.10E-03	1.27E-01	0.00E+00	0.00E+00	-7.35E+00	-4.76E-03	1.46E-03	-2.12E-02	0.00E+00	0.00E+00	-4.20E-09	-5.79E-07	1.73E-02	-2.92E+00	0.00E+00	0.00E+00	-8.53E+00	0.00E+00	3.06E+00	0.00E+00	3.29E-08	-6.69E-08	-7.93E-03	0.00E+00	-2.96E-01	0.00E+00	3.06E+00	-1.62E-04	3.06E+00	2.88E+00	-2.96E-01	0.00E+00	0.00E+00	0.00E+00	-3.49E+02
HHA080U	2.51E-03	-1.93E-01	5.08E-03	-1.98E-01	0.00E+00	0.00E+00	1.79E-01	-1.90E-04	3.54E-03	-2.56E-03	0.00E+00	0.00E+00	-6.03E-09	2.26E-08	3.62E-03	-2.09E-02	0.00E+00	0.00E+00	-3.40E+00	0.00E+00	-3.46E+00	0.00E+00	-2.43E-10	-3.74E-08	-1.83E-03	0.00E+00	-2.00E-01	0.00E+00	-3.46E+00	-1.24E-05	-3.46E+00	-3.66E+00	-2.00E-01	0.00E+00	0.00E+00	0.00E+00	-1.54E+02
HHA080Z	-3.81E-02	-7.75E-01	-5.80E-03	-7.15E-01	0.00E+00	0.00E+00	-7.75E+00	-4.25E-03	1.18E-03	-1.98E-02	0.00E+00	-8.52E-08	-1.00E-08	-4.71E-07	7.13E-03	-5.65E+00	0.00E+00	0.00E+00	-6.03E+00	-3.05E-05	-9.58E+00	0.00E+00	-3.70E-08	-1.24E-07	-5.57E-03	-1.76E-08	-2.50E+00	0.00E+00	-9.58E+00	-1.31E-04	-9.58E+00	-1.02E+01	-2.50E+00	0.00E+00	0.00E+00	0.00E+00	-2.64E+02
HHA081H	-7.84E-02	-4.56E-01	1.02E-02	-4.10E-01	0.00E+00	0.00E+00	-1.51E+01	-8.36E-03	-1.21E-03	-3.94E-02	0.00E+00	0.00E+00	-6.67E-09	-9.62E-07	1.48E-02	-8.46E+00	0.00E+00	0.00E+00	-1.47E+01	0.00E+00	-3.92E+00	0.00E+00	-3.44E-09	-1.10E-07	-1.29E-02	0.00E+00	-1.36E+00	0.00E+00	-3.92E+00	-2.53E-04	-3.92E+00	-5.26E+00	-1.36E+00	0.00E+00	0.00E+00	0.00E+00	-6.17E+02
HHA081U	-4.36E-02	-4.78E-01	1.57E-02	-4.56E-01	0.00E+00	0.00E+00	-9.05E+00	-5.32E-03	1.05E-03	-2.91E-02	0.00E+00	0.00E+00	-4.94E-09	-5.50E-07	1.78E-02	-6.45E+00	0.00E+00	0.00E+00	-1.04E+01	0.00E+00	-3.70E+00	0.00E+00	-4.60E-10	-6.64E-08	-8.84E-03	0.00E+00	-6.24E-01	0.00E+00	-3.70E+00	-1.54E-04	-3.70E+00	-5.11E+00	-6.24E-01	0.00E+00	0.00E+00	0.00E+00	-4.13E+02
HHA081Z	-7.48E-02	-8.73E-01	-3.89E-03	-7.69E-01	0.00E+00	0.00E+00	-1.62E+01	-7.90E-03	-1.55E-03	-4.12E-02	0.00E+00	-8.52E-08	-1.43E-08	-9.08E-07	1.71E-02	-8.73E+00	0.00E+00	0.00E+00	-1.06E+01	-3.05E-05	-1.09E+01	0.00E+00	-3.83E-08	-1.80E-07	-1.20E-02	-1.76E-08	-2.63E+00	0.00E+00	-1.09E+01	-2.38E-04	-1.09E+01	-1.24E+01	-2.63E+00	0.00E+00	0.00E+00	0.00E+00	-5.46E+02
HHA082H	-7.14E-02	-5.94E-01	7.49E-03	-6.16E-01	0.00E+00	0.00E+00	-1.36E+01	-7.41E-03	-6.11E-04	-3.80E-02	0.00E+00	0.00E+00	-7.16E-09	-8.61E-07	-1.77E-01	-9.63E+00	0.00E+00	0.00E+00	-1.44E+01	0.00E+00	-5.23E+00	0.00E+00	-1.07E-08	-1.06E-07	-1.22E-02	0.00E+00	-1.57E+00	0.00E+00	-5.23E+00	-2.20E-04	-5.23E+00	-6.41E+00	-1.57E+00	0.00E+00	0.00E+00	0.00E+00	-6.14E+02
HHA098Z	-5.88E-02	-8.91E-01	-1.24E-02	-8.02E-01	0.00E+00	0.00E+00	-1.23E+01	-6.27E-03	4.34E-05	-2.81E-02	0.00E+00	-8.52E-08	-9.23E-09	-7.63E-07	6.95E-03	-5.97E+00	0.00E+00	0.00E+00	-9.44E+00	-3.05E-05	-1.06E+01	0.00E+00	-4.45E-08	-1.40E-07	-7.75E-03	-1.76E-08	-2.86E+00	0.00E+00	-1.06E+01	-1.89E-04	-1.06E+01	-1.06E+01	-2.86E+00	0.00E+00	0.00E+00	0.00E+00	-3.99E+02
HHA100H	7.69E-03	7.32E-01	3.07E-02	7.02E-01	0.00E+00	0.00E+00	6.89E+00	1.30E-05	4.45E-03	7.22E-03	0.00E+00	0.00E+00	1.40E-09	5.38E-08	3.75E-02	-3.00E+00	0.00E+00	0.00E+00	5.61E+00	0.00E+00	8.23E+00	0.00E+00	6.48E-08	3.17E-08	2.15E-03	0.00E+00	2.46E-01	0.00E+00	8.23E+00	1.52E-06	8.23E+00	8.47E+00	2.46E-01	0.00E+00	0.00E+00	0.00E+00	2.06E+02
HHA100U	7.28E-03	7.23E-01	2.69E-02	6.96E-01	0.00E+00	0.00E+00	6.28E+00	1.03E-05	4.40E-03	6.64E-03	0.00E+00	0.00E+00	4.19E-10	5.17E-08	3.48E-02	1.70E+00	0.00E+00	0.00E+00	3.85E+00	0.00E+00	7.39E+00	0.00E+00	6.10E-08	2.86E-08	1.95E-03	0.00E+00	7.61E-01	0.00E+00	7.39E+00	-1.06E-07	7.39E+00	8.15E+00	7.61E-01	0.00E+00	0.00E+00	0.00E+00	1.32E+02
HHA100Z	-4.41E-02	-7.93E-01	-3.21E-03	-6.80E-01	0.00E+00	0.00E+00	-8.86E+00	-4.68E-03	9.06E-04	-2.13E-02	0.00E+00	-8.52E-08	-1.01E-08	-5.34E-07	5.68E-03	-5.49E+00	0.00E+00	0.00E+00	-6.95E+00	-3.05E-05	-9.85E+00	0.00E+00	-4.04E-08	-1.23E-07	-6.10E-03	-1.76E-08	-2.46E+00	0.00E+00	-9.85E+00	-1.40E-04	-9.85E+00	-1.08E+01	-2.46E+00	0.00E+00	0.00E+00	0.00E+00	-3.00E+02
HHA101H	-6.26E-02	-1.10E+00	-1.65E-02	-1.08E+00	0.00E+00	0.00E+00	-1.64E+01	-6.32E-03	-1.84E-03	-4.07E-02	0.00E+00	0.00E+00	-1.51E-08	-7.17E-07	-1.48E-02	-6.94E+00	0.00E+00	0.00E+00	-1.67E+01	0.00E+00	-1.05E+01	0.00E+00	-3.91E-08	-1.69E-07	-1.30E-02	0.00E+00	-1.79E+00	0.00E+00	-1.05E+01	-1.89E-04	-1.05E+01	-1.23E+01	-1.79E+00	0.00E+00	0.00E+00	0.00E+00	-7.17E+02
HHA101U	-8.38E-02	-8.75E-01	-1.56E-03	-7.26E-01	0.00E+00	0.00E+00	-1.47E+01	-9.14E-03	-1.91E-03	-3.88E-02	0.00E+00	-8.52E-08	-1.39E-08	-1.05E-06	1.92E-02	-8.19E+00	0.00E+00	0.00E+00	-9.74E+00	-3.05E-05	-1.04E+01	0.00E+00	-3.85E-08	-1.73E-07	-1.11E-02	-1.76E-08	-2.54E+00	0.00E+00	-1.04E+01	-2.67E-04	-1.04E+01	-1.22E+01	-2.54E+00	0.00E+00	0.00E+00	0.00E+00	-4.79E+02

HHA101Z	-8.62E-02	-8.52E-01	-1.93E-03	-7.12E-01	0.00E+00	0.00E+00	-1.64E+01	-9.00E-03	-1.99E-03	-4.11E-02	0.00E+00	-8.52E-08	-1.41E-08	-1.06E-06	1.69E-02	-8.76E+00	0.00E+00	0.00E+00	-1.09E+01
HHA102H	-7.65E-02	-6.24E-01	9.86E-03	-6.48E-01	0.00E+00	0.00E+00	-1.39E+01	-7.85E-03	-8.14E-04	-3.94E-02	0.00E+00	0.00E+00	-6.98E-09	-9.10E-07	-1.76E-01	-9.62E+00	0.00E+00	0.00E+00	-1.47E+01
HHA123Z	-5.47E-02	-8.92E-01	-1.24E-02	-8.07E-01	0.00E+00	0.00E+00	-1.20E+01	-5.80E-03	-2.26E-05	-2.75E-02	0.00E+00	-8.52E-08	-9.37E-09	-7.09E-07	6.69E-03	-5.97E+00	0.00E+00	0.00E+00	-9.32E+00
HHA125H	-6.98E-02	-2.18E-01	-9.50E-04	-2.17E-01	0.00E+00	0.00E+00	-1.31E+01	-7.11E-03	-2.69E-03	-3.71E-02	0.00E+00	0.00E+00	-8.91E-09	-8.21E-07	1.01E-02	-6.21E+00	0.00E+00	0.00E+00	-1.18E+01
HHA125U	3.24E-03	-5.04E-01	6.39E-03	-5.10E-01	0.00E+00	0.00E+00	4.99E-01	-1.88E-04	4.30E-03	-4.82E-03	0.00E+00	0.00E+00	-5.70E-09	3.20E-08	1.39E-03	-1.68E+00	0.00E+00	0.00E+00	-2.70E+00
HHA125Z	-3.14E-02	-8.11E-01	-3.97E-03	-7.09E-01	0.00E+00	0.00E+00	-6.75E+00	-3.20E-03	1.55E-03	-1.84E-02	0.00E+00	-8.52E-08	-9.82E-09	-3.66E-07	1.10E-02	-5.91E+00	0.00E+00	0.00E+00	-5.63E+00
HHA126H	-9.37E-02	-4.84E-01	-4.13E-03	-4.80E-01	0.00E+00	0.00E+00	-1.80E+01	-9.49E-03	-3.71E-03	-5.09E-02	0.00E+00	0.00E+00	-1.20E-08	-1.10E-06	7.50E-03	-1.34E+01	0.00E+00	0.00E+00	-1.63E+01
HHA126U	-8.99E-02	-8.77E-01	-3.08E-03	-7.26E-01	0.00E+00	0.00E+00	-1.62E+01	-9.58E-03	-2.89E-03	-4.32E-02	0.00E+00	-8.52E-08	-1.47E-08	-1.12E-06	1.82E-02	-9.55E+00	0.00E+00	0.00E+00	-1.10E+01
HHA126Z	-8.86E-02	-8.74E-01	-3.08E-03	-7.39E-01	0.00E+00	0.00E+00	-1.67E+01	-9.33E-03	-3.03E-03	-4.30E-02	0.00E+00	-8.52E-08	-1.48E-08	-1.10E-06	1.86E-02	-9.74E+00	0.00E+00	0.00E+00	-1.12E+01
HHA127H	-7.86E-02	-6.38E-01	4.77E-03	-6.42E-01	0.00E+00	0.00E+00	-1.44E+01	-7.97E-03	-8.25E-04	-4.01E-02	0.00E+00	0.00E+00	-1.02E-08	-9.26E-07	-1.80E-01	-9.83E+00	0.00E+00	0.00E+00	-1.49E+01
HHA160H	-7.38E-02	-7.55E-01	-1.67E-02	-7.38E-01	0.00E+00	0.00E+00	-1.88E+01	-7.35E-03	-3.24E-03	-4.34E-02	0.00E+00	0.00E+00	-1.41E-08	-8.52E-07	-1.63E-02	-7.90E+00	0.00E+00	0.00E+00	-1.66E+01
HHA160U	-7.00E-02	-2.36E-01	8.06E-04	-2.37E-01	0.00E+00	0.00E+00	-1.31E+01	-7.15E-03	-2.72E-03	-3.74E-02	0.00E+00	0.00E+00	-7.89E-09	-8.24E-07	8.54E-03	-7.21E+00	0.00E+00	0.00E+00	-1.03E+01
HHA160Z	-4.89E-02	-7.77E-01	-4.16E-03	-6.89E-01	0.00E+00	0.00E+00	-9.89E+00	-5.01E-03	8.37E-04	-2.26E-02	0.00E+00	-8.52E-08	-9.55E-09	-5.79E-07	6.58E-03	-6.33E+00	0.00E+00	0.00E+00	-7.92E+00
HHA161H	-7.18E-04	-3.69E-01	1.03E-02	-3.80E-01	0.00E+00	0.00E+00	-4.61E-01	-8.15E-04	5.53E-03	-6.48E-03	0.00E+00	0.00E+00	-7.88E-09	-2.56E-08	6.30E-03	-6.56E+00	0.00E+00	0.00E+00	-3.99E+00
HHA161U	-9.64E-02	-8.34E-01	-2.36E-03	-6.98E-01	0.00E+00	0.00E+00	-1.73E+01	-1.02E-02	-2.94E-03	-4.35E-02	0.00E+00	-8.52E-08	-1.44E-08	-1.20E-06	1.56E-02	-9.85E+00	0.00E+00	0.00E+00	-1.19E+01
HHA161Z	-9.32E-02	-8.31E-01	-2.50E-03	-7.11E-01	0.00E+00	0.00E+00	-1.80E+01	-9.87E-03	-3.06E-03	-4.33E-02	0.00E+00	-8.52E-08	-1.45E-08	-1.17E-06	1.52E-02	-9.90E+00	0.00E+00	0.00E+00	-1.20E+01
HHA162H	-8.99E-02	-7.31E-01	9.66E-03	-7.40E-01	0.00E+00	0.00E+00	-1.89E+01	-9.02E-03	-2.02E-03	-4.51E-02	0.00E+00	0.00E+00	-1.23E-08	-1.04E-06	-1.07E-01	-1.07E+01	0.00E+00	0.00E+00	-1.62E+01
HHB100U	-2.05E-01	-1.59E+00	-1.66E-02	-1.57E+00	0.00E+00	0.00E+00	-4.25E+01	-2.03E-02	-7.59E-03	-1.08E-01	0.00E+00	-2.28E-08	-2.71E-08	-2.26E-06	-3.34E-01	-1.97E+01	0.00E+00	0.00E+00	-3.75E+01
HHB100Z	-9.77E-02	-8.64E-01	3.75E-03	-9.03E-01	0.00E+00	0.00E+00	-2.32E+01	-9.87E-03	8.42E-04	-5.11E-02	0.00E+00	-2.28E-08	-1.03E-08	-1.11E-06	-3.07E-01	-8.78E+00	0.00E+00	0.00E+00	-1.67E+01
HHB101Z	-6.93E-02	-5.51E-01	3.95E-03	-6.16E-01	0.00E+00	0.00E+00	-1.41E+01	-7.63E-03	3.04E-03	-3.60E-02	0.00E+00	0.00E+00	-7.81E-09	-7.81E-07	-4.51E-01	-1.07E+01	0.00E+00	0.00E+00	-1.86E+01
HHB125U	-1.70E-01	-1.47E+00	-1.15E-02	-1.57E+00	0.00E+00	0.00E+00	-3.83E+01	-1.66E-02	-5.20E-03	-9.19E-02	0.00E+00	-2.28E-08	-2.15E-08	-1.79E-06	-3.09E-01	-1.81E+01	0.00E+00	0.00E+00	-3.57E+01
HHB125Z	-9.42E-02	-8.17E-01	5.57E-03	-8.80E-01	0.00E+00	0.00E+00	-2.31E+01	-9.55E-03	8.52E-04	-5.08E-02	0.00E+00	-2.28E-08	-9.90E-09	-1.07E-06	-3.07E-01	-8.59E+00	0.00E+00	0.00E+00	-1.67E+01
HHB126Z	-1.56E-01	-5.35E-01	6.39E-03	-6.06E-01	0.00E+00	0.00E+00	-2.89E+01	-1.59E-02	-5.23E-03	-7.78E-02	0.00E+00	-2.28E-08	-1.23E-08	-1.76E-06	-2.62E-01	-1.53E+01	0.00E+00	0.00E+00	-2.49E+01
HHB160U	-2.10E-01	-1.66E+00	-1.74E-02	-1.66E+00	0.00E+00	0.00E+00	-4.09E+01	-2.07E-02	-7.81E-03	-1.10E-01	0.00E+00	-2.28E-08	-2.86E-08	-2.31E-06	-3.22E-01	-1.98E+01	0.00E+00	0.00E+00	-3.61E+01
HHB160Z	-1.00E-01	-8.91E-01	4.62E-03	-9.13E-01	0.00E+00	0.00E+00	-2.35E+01	-1.02E-02	8.52E-04	-5.23E-02	0.00E+00	-2.28E-08	-1.02E-08	-1.15E-06	-3.08E-01	-8.98E+00	0.00E+00	0.00E+00	-1.68E+01
HHB161Z	-1.60E-01	-8.70E-01	6.13E-03	-8.36E-01	0.00E+00	0.00E+00	-2.92E+01	-1.63E-02	-5.23E-03	-7.84E-02	0.00E+00	-2.28E-08	-1.25E-08	-1.82E-06	-2.85E-01	-1.54E+01	0.00E+00	0.00E+00	-2.49E+01
HHB200L	-4.23E-02	-7.86E-01	1.98E-03	-7.60E-01	0.00E+00	0.00E+00	-3.70E+00	-4.94E-03	5.34E-03	-2.26E-02	0.00E+00	0.00E+00	-7.07E-09	-5.69E-07	-4.71E-01	-6.62E+00	0.00E+00	0.00E+00	-1.00E+01
HHB200U	-1.54E-01	-1.19E+00	-5.16E-03	-1.23E+00	0.00E+00	0.00E+00	-3.42E+01	-1.53E-02	-3.63E-03	-8.47E-02	0.00E+00	-2.28E-08	-1.98E-08	-1.67E-06	-2.99E-01	-1.44E+01	0.00E+00	0.00E+00	-2.85E+01
HHB200Z	-1.06E-01	-8.38E-01	5.73E-03	-7.96E-01	0.00E+00	0.00E+00	-2.34E+01	-1.13E-02	5.26E-04	-5.20E-02	0.00E+00	-2.28E-08	-1.03E-08	-1.19E-06	-3.08E-01	-8.92E+00	0.00E+00	0.00E+00	-1.76E+01
HHB201L	6.69E-03	-1.79E+00	1.90E-02	-1.81E+00	0.00E+00	0.00E+00	2.76E+00	-4.25E-04	1.18E-02	-1.56E-02	0.00E+00	0.00E+00	-1.11E-08	9.48E-08	-6.08E-01	-9.14E+00	0.00E+00	0.00E+00	-1.26E+01
HHB201Z	-1.58E-01	-8.78E-01	8.30E-03	-8.49E-01	0.00E+00	0.00E+00	-2.92E+01	-1.61E-02	-5.24E-03	-7.78E-02	0.00E+00	-2.28E-08	-1.23E-08	-1.80E-06	-2.85E-01	-1.53E+01	0.00E+00	0.00E+00	-2.48E+01
HHB250L	-5.02E-02	-7.33E-01	3.26E-03	-7.50E-01	0.00E+00	0.00E+00	-3.43E+00	-5.71E-03	5.93E-03	-2.70E-02	0.00E+00	0.00E+00	-5.84E-09	-6.90E-07	-4.74E-01	-7.30E+00	0.00E+00	0.00E+00	-1.07E+01
HHB250U	-1.81E-01	-1.31E+00	-8.57E-03	-1.38E+00	0.00E+00	0.00E+00	-3.84E+01	-1.77E-02	-4.52E-03	-9.65E-02	0.00E+00	-2.28E-08	-2.21E-08	-1.95E-06	-3.07E-01	-1.85E+01	0.00E+00	0.00E+00	-3.57E+01
HHB250Z	-1.10E-01	-7.34E-01	7.58E-03	-7.37E-01	0.00E+00	0.00E+00	-2.25E+01	-1.15E-02	1.12E-03	-5.41E-02	0.00E+00	-2.28E-08	-8.85E-09	-1.25E-06	-3.04E-01	-9.22E+00	0.00E+00	0.00E+00	-1.77E+01
HHB251L	1.98E-02	1.39E+00	7.53E-02	1.32E+00	0.00E+00	0.00E+00	1.76E+01	3.20E-05	1.48E-02	1.39E-02	0.00E+00	0.00E+00	2.87E-09	1.66E-07	-5.46E-01	-2.14E+00	0.00E+00	0.00E+00	2.98E+00
HHB251Z	-1.56E-01	-3.19E-01	9.84E-03	-3.94E-01	0.00E+00	0.00E+00	-2.78E+01	-1.56E-02	-4.22E-03	-7.81E-02	0.00E+00	-2.28E-08	-1.07E-08	-1.77E-06	-2.48E-01	-1.56E+01	0.00E+00	0.00E+00	-2.46E+01
HHJ250DR	-5.49E-01	-2.37E+00	-2.33E-02	-2.37E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.47E-07	-6.07E-08	-6.41E-06	-1.81E-02	-3.55E+01	0.00E+00	0.00E+00	-1.04E+02
HHJ251DR	-5.52E-01	-4.40E+00	-9.88E-03	-4.68E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.50E-06	-6.11E-08	-6.41E-06	5.18E-02	-4.30E+01	0.00E+00	0.00E+00	-1.04E+02
HHJ320DR	-5.49E-01	-2.37E+00	-2.33E-02	-2.37E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.47E-07	-6.07E-08	-6.41E-06	-1.81E-02	-3.55E+01	0.00E+00	0.00E+00	-1.04E+02
HHJ321DR	-5.52E-01	-4.40E+00	-9.88E-03	-4.68E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.52E-06	-6.11E-08	-6.41E-06	5.16E-02	-4.29E+01	0.00E+00	0.00E+00	-1.04E+02
HHJ400DR	-5.51E-01	-2.50E+00	-3.84E-02	-2.45E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.38E-06	-6.81E-08	-6.47E-06	-3.17E-02	-4.58E+01	0.00E+00	0.00E+00	-1.04E+02
HHJ401DR	-6.68E-01	-1.68E+00	-2.04E-02	-1.66E+00	0.00E+00	0.00E+00	-1.34E+02	-6.80E-02	-2.72E-02	-3.52E-01	0.00E+00	-3.09E-06	-7.85E-08	-7.88E-06	6.29E-02	-5.63E+01	0.00E+00	0.00E+00	-1.06E+02
HHJ631DE	4.46E-02	-1.40E+00	1.13E-01	-1.51E+00	0.00E+00	0.00E+00	1.22E+01	-1.40E-03	4.26E-02	-1.43E-02	0.00E+00	-3.09E-06	-3.52E-08	3.47E-07	8.36E-02	8.90E-01	0.00E+00	0.00E+00	-2.22E+00
HHM100ER	-1.95E-01	-9.27E-01	-1.31E-02	-9.64E-01	0.00E+00	0.00E+00	-4.03E+01	-1.91E-02	-8.50E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.69E-08	-2.26E-06	-1.82E-02	-1.48E+01	0.00E+00	0.00E+00	-2.88E+01
HHM101ER	-2.12E-01	-7.80E-01	8.68E-04	-7.49E-01	0.00E+00	0.00E+00	-4.09E+01	-2.21E-02	-8.53E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.49E-08	-2.50E-06	1.76E-03	-1.52E+01	0.00E+00	0.00E+00	-2.97E+01
HHM103ER	-2.13E-01	-7.80E-01	8.68E-04	-7.49E-01	0.00E+00	0.00E+00	-4.09E+01	-2.21E-02	-8.53E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.54E-06	1.52E-03	-1.52E+01	0.00E+00	0.00E+00	-3.00E+01
HHM125ER	-1.95E-01	-9.22E-01	-1.26E-02	-9.64E-01	0.00E+00	0.00E+00	-4.03E+01	-1.91E-02	-8.65E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.69E-08	-2.26E-06	-1.81E-02	-1.48E+01	0.00E+00	0.00E+00	-2.88E+01
HHM126ER	-2.13E-01	-7.76E-01	1.33E-03	-7.49E-01	0.00E+00	0.00E+00	-4.08E+01	-2.21E-02	-8.67E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.54E-06	1.87E-03	-1.52E+01	0.00E+00	0.00E+00	-3.00E+01
HHM128ER	-2.13E-01	-7.76E-01	1.33E-03	-7.49E-01	0.00E+00	0.00E+00	-4.08E+01	-2.21E-02	-8.67E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.54E-06	1.87E-03	-1.52E+01	0.00E+00	0.00E+00	-3.00E+01
HHM150ER	-1.95E-01	-9.20E-01	-1.29E-02	-9.64E-01	0.00E+00	0.00E+00	-4.03E+01	-1.92E-02	-8.50E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.69E-08	-2.23E-06	-1.82E-02	-1.48E+01	0.00E+00	0.00E+00	-2.85E+01
HHM151ER	-2.16E-01	-7.73E-01	1.11E-03	-7.49E-01	0.00E+00	0.00E+00	-4.08E+01	-2.22E-02	-8.70E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.47E-08	-2.51E-06	3.28E-03	-1.53E+01	0.00E+00	0.00E+00	-2.97E+01
HHM153ER	-2.13E-01	-7.77E-01	1.02E-03	-7.49E-01	0.00E+00	0.00E+00	-4.08E+01	-2.21E-02	-8.53E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.54E-06	1.83E-03	-1.52E+01	0.00E+00	0.00E+00	-3.00E+01
HHM160ER	-2.03E-01	-9.39E-01	-1.29E-02	-9.64E-01	0.00E+00	0.00E+00	-4.08E+01	-2.01E-02	-8.82E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.82E-08	-2.40E-06	-1.66E-02	-1.49E+01	0.00E+00	0.00E+00	-2.88E+01
HHM161ER	-2.21E-01	-7.81E-01	9.70E-04	-7.49E-01	0.00E+00	0.00E+00	-4.13E+01	-2.31E-02	-8.85E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.60E-08	-2.68E-06	3.42E-03	-1.53E+01	0.00E+00	0.00E+00	-3.00E+01
HHM163ER	-2.21E-01	-7.81E-01	9.70E-04	-7.49E-01	0.00E+00	0.00E+00	-4.13E+01	-2.31E-02	-8.85E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.60E-08	-2.68E-06	3.42E-03	-1.53E+01	0.00E+00	0.00E+00	-3.00E+01
HHM200ER	-2.04E-01	-9.21E-01	-1.30E-02	-8.89E-01	0.00E+00	0.00E+00	-4.07E+01	-2.04E-02	-8.87E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.81E-08	-2.43E-06	-1.67E-02	-1.50E+01	0.00E+00	0.00E+00	-2.91E+01
HHM201ER	-2.23E-01	-7.59E-01	1.11E-03	-6.69E-01	0.00E+00	0.00E+00	-4.16E+01	-2.34E-02	-8.90E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.59E-08	-2.72E-06	3.28E-03	-1.54E+01	0.00E+00	0.00E+00	-3.03E+01
HHM203ER	-2.23E-01	-7.59E-01	1.11E-03	-6.69E-01	0.00E+00	0.00E+00	-4.16E+01	-2.34E-02	-8.90E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.59E-08	-2.72E-06	3.28E-03	-1.54E+01	0.00E+00	0.00E+00	-3.03E+01
HHM250ER	-2.05E-01	-8.35E-01	-1.37E-02	-8.16E-01	0.00E+00	0.00E+00	-4.06E+01	-2.04E-02	-8.70E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.87E-08	-2.43E-06	-2.14E-02	-1.51E+01	0.00E+00	0.00E+00	-2.92E+01
HHM251ER	-2.23E-01	-6.74E-01	1.03E-03	-5.96E-01	0.00E+00	0.00E+00	-4.15E+01	-2.34E-02	-8.78E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.65E-08	-2.72E-06	3.71E-05	-1.55E+01	0.00E+00	0.00E+00	-3.04E+01
HHM253ER	-2.23E-01	-6.74E-01	1.03E-03	-5.96E-01	0.00E+00	0.00E+00	-4.15E+01	-2.34E-02	-8.78E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.65E-08	-2.72E-06	3.71E-05	-1.55E+01	0.00E+00	0.00E+00	-3.04E+01
HHS014EC	-2.49E-02	-4.50E-01	-1.20E-02	-4.92E-01	0.00E+00	0.00E+00	-5.12E+00	-2.45E-03	2.53E-04	-1.30E-02	0.00E+00	0.00E+00	-4.71E-09	-3.16E-07	2.38E-03	-2.63E+00	0.00E+00	0.00E+00	-4.47E+00
HHS018EC	-2.49E-02	-4.50E-01	-1.20E-02	-4.92E-01	0.00E+00	0.00E+00	-5.12E+00	-2.44E-03	2.53E-04	-1.30E-02	0.00E+00	0.00E+00	-4.71E-09	-3.16E-07	2.33E-03	-2.63E+00	0.00E+00	0.00E+00	-4.47E+00
HHS023EC	-2.43E-02	-4.46E-01	-1.20E-02	-4.92E-01	0.00E+00	0.00E+00	-5.12E+00	-2.39E-03	2.31E-04	-1.30E-02	0.00E+00	0.00E+00	-4.74E-09	-3.08E-07	2.29E-03	-2.63E+00	0.00E+00	0.00E+00	-4.47E+00
HHS025BC	-3.93E-02	-5.59E-01	-7.58E-03	-6.07E-01	0.00E+00	0.00E+00	-1.34E+01	-4.68E-03	9.62E-04	-3.16E-02	0.00E+00	-1.54E-08	-1.22E-08	-4.64E-07	-1.03E-02	-5.25E+00	0.00E+00	0.00E+00	-1.36E+01
HHS025DC	-3.97E-02	-6.12E-01	-6.90E-03	-6.47E-01	0.00E+00	0.00E+00	-1.35E+01	-4.91E-03	2.70E-03	-3.29E-02	0.00E+00	-1.54E-08	-1.24E-08	-4.88E-07	-1.00E-02	-5.38E+00	0.00E+00	0.00E+00	-1.40E+01
HHS025DR	-4.54E-02	-8.50E-01	-8.08E-03	-7.21E-01	0.00E+00	0.00E+00	-1.51E+01	-5.86E-03	1.43E-03	-3.99E-02	0.00E+00	-3.20E-08	-1.24E-08	-6.31E-07	1.24E-02	-6.36E+00	0.00E+00	0.00E+00	-1.35E+01
HHS026BC	-1.21E-01	-8.19E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.68E-03	-9.87E+00	0.00E+00	0.00E+00	-1.78E+01
HHS026DC	-1.21E-01	-8.02E-01	-1.37E-02	-8.18E-01	0.00E+00	0.00E+00	-2.09E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-5.85E-03	-1.02E+01	0.00E+00	0.00E+00	-1.77E+01
HHS026DR	-7.10E-02	-8.97E-01	-8.86E-03	-7.88E-01	0.00E+00	0.00E+00	-2.23E+01	-8.18E-03	-1.78E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.40E-08	-8.82E-07	1.08E-02	-9.34E+00	0.00E+00	0.00E+00	-1.73E+01
HHS030EC	-2.49E-02	-4.50E-01	-1.20E-02	-4.92E-01	0.00E+00	0.00E+00	-5.12E+00	-2.45E-03	2.69E-04	-1.30E-02	0.00E+00	0.00E+00	-4.72E-09	-3.16E-07	2.34E-03	-2.63E+00	0.00E+00	0.00E+00	-4.47E+00
HHS038EC	-2.45E-02	-4.21E-01	-1.12E-02	-4.53E-01	0.00E+00	0.00E+00	-4.54E+00	-2.37E-03	1.00E-04	-1.29E-02	0.00E+00	0.00E+00	-4.28E-09	-3.04E-07	3.00E-03	-2.42E+00	0.00E+00	0.00E+00	-4.23E+00
HHS040BC	-3.77E-02	-5.58E-01	-6.23E-03	-6.27E-01	0.00E+00	0.00E+00	-1.32E+01	-4.50E-03	1.33E-03	-3.15E-02	0.00E+00	-1.54E-08	-1.21E-08	-4.43E-07	-1.02E-02	-5.10E+00	0.00E+00	0.00E+00	-1.35E+01
HHS040DC	-3.59E-02	-5.70E-01	-5.27E-03	-6.42E-01	0.00E+00	0.00E+00	-1.32E+01	-4.47E-03	1.51E-03	-3.15E-02	0.00E+00	-1.54E-08	-1.22E-08	-4.40E-07	-9.92E-03	-5.15E+00	0.00E+00	0.00E+00	-1.35E+01
HHS040DR	-4.40E-02	-8.41E-01	-7.05E-03	-7.21E-01	0.00E+00	0.00E+00	-1.49E+01	-5.70E-03	1.24E-03	-3.97E-02	0.00E+00	-3.20E-08	-1.24E-08	-6.15E-07	1.30E-02	-6.04E+00	0.00E+00	0.00E+00	-1.35E+01
HHS041BC	-1.20E-01	-8.09E-01	-1.38E-02	-8.26E-01	0.00E+00	0.00E+00	-2.09E+01	-1.20E-02	-4.51E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.39E-06	-6.69E-03	-9.84E+00	0.00E+00	0.00E+00	-1.78E+01
HHS041DC	-4.31E-02	-5.49E-01	-6.20E-03	-6.08E-01	0.00E+00	0.00E+00	-1.34E+01	-5.19E-03	1.16E-03	-3.43E-02	0.00E+00	-1.54E-08	-1.24E-08	-4.92E-07	-4.28E-03	-6.86E+00	0.00E+00	0.00E+00	-1.41E+01
HHS041DR	-6.80E-02	-8.62E-01	-8.11E-03	-7.88E-01	0.00E+00	0.00E+00	-2.06E+01	-7.82E-03	-1.85E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.36E-08	-8.41E-07	1.31E-02	-8.72E+00	0.00E+00	0.00E+00	-1.64E+01
HHS048EC	-2.45E-02	-4.21E-01	-1.12E-02	-4.53E-01	0.00E+00	0.00E+00	-4.54E+00	-2.38E-03	8.21E-05	-1.29E-02	0.00E+00	0.00E+00	-4.28E-09	-3.05E-07	3.59E-03	-2.42E+00	0.00E+00	0.00E+00	-4.23E+00
HHS050BC	-6.23E-02	-6.40E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.13E-02	-6.37E+00	0.00E+00	0.00E+00	-1.61E+01
HHS051BC	-1.21E-01	-8.18E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.52E-03	-9.89E+00	0.00E+00	0.00E+00	-1.78E+01
HHS061EC	-2.45E-02	-4.45E-01	-1.12E-02	-4.83E-01	0.00E+00	0.00E+00	-4.54E+00	-2.38E-03	8.21E-05	-1.29E-02	0.00E+00	0.00E+00	-4.28E-09	-3.05E-07	3.61E-03	-2.61E+00	0.00E+00	0.00E+00	-4.23E+00
HHS063BC	-6.13E-02	-6.40E-01	-9.01E-03	-6.81E-01	0.00E+00	0.00E+00	-1.84E+01	-6.69E-03	-7.70E-04	-4.08E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.19E-07	-1.13E-02	-6.50E+00	0.00E+00	0.00E+00	-1.60E+01
HHS063DC	-6.13E-02	-6.23E-01	-8.04E-03	-6.81E-01	0.00E+00	0.00E+00	-1.84E+01	-6.69E-03	-7.70E-04	-4.08E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.19E-07	-1.10E-02	-6.48E+00	0.00E+00	0.00E+00	-1.60E+01
HHS063DR	-4.78E-02	-8.47E-01	-8.73E-03	-7.21E-01	0.00E+00	0.00E+00	-1.52E+01	-6.02E-03	1.24E-03	-4.04E-02	0.00E+00	-3.20E-08	-1.24E-08	-6.57E-07	1.07E-02	-6.51E+00	0.00E+00	0.00E+00	-1.35E+01

HHA101Z	-3.05E-05	-1.08E+01	0.00E+00	-4.08E-08	-1.84E-07	-1.19E-02	-1.76E-08	-2.62E+00	0.00E+00	-1.08E+01	-2.73E-04	-1.08E+01	-1.23E+01	-2.62E+00	0.00E+00	0.00E+00	0.00E+00	-5.42E+02
HHA102H	0.00E+00	-5.37E+00	0.00E+00	-1.24E-08	-1.02E-07	-1.23E-02	0.00E+00	-1.49E+00	0.00E+00	-5.37E+00	-2.32E-04	-5.37E+00	-6.76E+00	-1.49E+00	0.00E+00	0.00E+00	0.00E+00	-6.10E+02
HHA123Z	-3.05E-05	-1.06E+01	0.00E+00	-4.45E-08	-1.40E-07	-7.56E-03	-1.76E-08	-2.89E+00	0.00E+00	-1.06E+01	-1.74E-04	-1.06E+01	-1.06E+01	-2.89E+00	0.00E+00	0.00E+00	0.00E+00	-3.93E+02
HHA125H	0.00E+00	-6.73E-01	0.00E+00	1.00E-08	-1.18E-07	-1.06E-02	0.00E+00	-1.11E+00	0.00E+00	-6.73E-01	-2.06E-04	-6.73E-01	-1.78E+00	-1.11E+00	0.00E+00	0.00E+00	0.00E+00	-5.28E+02
HHA125U	0.00E+00	-3.91E+00	0.00E+00	-7.51E-09	-3.97E-08	-2.26E-03	0.00E+00	-3.85E-01	0.00E+00	-3.91E+00	-1.20E-05	-3.91E+00	-4.30E+00	-3.85E-01	0.00E+00	0.00E+00	0.00E+00	-1.24E+02
HHA125Z	-3.05E-05	-1.00E+01	0.00E+00	-3.92E-08	-1.16E-07	-5.50E-03	-1.76E-08	-2.43E+00	0.00E+00	-1.00E+01	-1.00E-04	-1.00E+01	-1.12E+01	-2.43E+00	0.00E+00	0.00E+00	0.00E+00	-2.43E+02
HHA126H	0.00E+00	-2.54E+00	0.00E+00	3.92E-10	-1.66E-07	-1.45E-02	0.00E+00	-2.30E+00	0.00E+00	-2.54E+00	-2.75E-04	-2.54E+00	-4.84E+00	-2.30E+00	0.00E+00	0.00E+00	0.00E+00	-7.24E+02
HHA126U	-3.05E-05	-1.03E+01	0.00E+00	-3.84E-08	-1.98E-07	-1.23E-02	-1.76E-08	-2.80E+00	0.00E+00	-1.03E+01	-2.79E-04	-1.03E+01	-1.21E+01	-2.80E+00	0.00E+00	0.00E+00	0.00E+00	-5.58E+02
HHA126Z	-3.05E-05	-1.08E+01	0.00E+00	-3.96E-08	-2.01E-07	-1.25E-02	-1.76E-08	-2.84E+00	0.00E+00	-1.08E+01	-2.72E-04	-1.08E+01	-1.25E+01	-2.84E+00	0.00E+00	0.00E+00	0.00E+00	-5.65E+02
HHA127H	0.00E+00	-5.36E+00	0.00E+00	-1.23E-08	-1.36E-07	-1.26E-02	0.00E+00	-1.82E+00	0.00E+00	-5.36E+00	-2.33E-04	-5.36E+00	-6.93E+00	-1.82E+00	0.00E+00	0.00E+00	0.00E+00	-6.32E+02
HHA160H	0.00E+00	-1.01E+01	0.00E+00	-4.06E-08	-1.76E-07	-1.37E-02	0.00E+00	-1.83E+00	0.00E+00	-1.01E+01	-2.17E-04	-1.01E+01	-1.19E+01	-1.83E+00	0.00E+00	0.00E+00	0.00E+00	-7.12E+02
HHA160U	0.00E+00	-8.48E-01	0.00E+00	5.56E-09	-1.17E-07	-1.06E-02	0.00E+00	-1.13E+00	0.00E+00	-8.48E-01	-2.05E-04	-8.48E-01	-1.98E+00	-1.13E+00	0.00E+00	0.00E+00	0.00E+00	-4.62E+02
HHA160Z	-3.05E-05	-9.74E+00	0.00E+00	-4.00E-08	-1.25E-07	-7.36E-03	-1.76E-08	-2.64E+00	0.00E+00	-9.74E+00	-1.50E-04	-9.74E+00	-1.08E+01	-2.64E+00	0.00E+00	0.00E+00	0.00E+00	-3.44E+02
HHA161H	0.00E+00	-3.95E+00	0.00E+00	2.06E-09	-5.64E-08	-3.12E-03	0.00E+00	-1.10E+00	0.00E+00	-3.95E+00	-3.53E-05	-3.95E+00	-5.05E+00	-1.10E+00	0.00E+00	0.00E+00	0.00E+00	-1.84E+02
HHA161U	-3.05E-05	-1.00E+01	0.00E+00	-3.87E-08	-1.98E-07	-1.27E-02	-1.76E-08	-3.01E+00	0.00E+00	-1.00E+01	-2.96E-04	-1.00E+01	-1.17E+01	-3.01E+00	0.00E+00	0.00E+00	0.00E+00	-5.86E+02
HHA161Z	-3.05E-05	-1.06E+01	0.00E+00	-3.96E-08	-2.02E-07	-1.29E-02	-1.76E-08	-3.04E+00	0.00E+00	-1.06E+01	-2.87E-04	-1.06E+01	-1.21E+01	-3.04E+00	0.00E+00	0.00E+00	0.00E+00	-5.97E+02
HHA162H	0.00E+00	-6.47E+00	0.00E+00	-1.31E-08	-1.56E-07	-1.36E-02	0.00E+00	-1.91E+00	0.00E+00	-6.47E+00	-2.66E-04	-6.47E+00	-8.59E+00	-1.91E+00	0.00E+00	0.00E+00	0.00E+00	-7.22E+02
HHB100U	-8.13E-06	-1.70E+01	0.00E+00	-5.57E-08	-3.83E-07	-2.88E-02	-5.36E-09	-5.95E+00	0.00E+00	-1.70E+01	-5.83E-04	-1.70E+01	-2.16E+01	-5.95E+00	0.00E+00	0.00E+00	0.00E+00	-1.48E+03
HHB100Z	-8.13E-06	-1.19E+01	0.00E+00	-1.92E-08	-1.56E-07	-1.50E-02	-5.36E-09	-3.75E+00	0.00E+00	-1.19E+01	-2.93E-04	-1.19E+01	-1.58E+01	-3.75E+00	0.00E+00	0.00E+00	0.00E+00	-6.80E+02
HHB101Z	0.00E+00	-6.07E+00	0.00E+00	-5.85E-09	-1.13E-07	-1.37E-02	0.00E+00	-4.70E+00	0.00E+00	-6.07E+00	-2.16E-04	-6.07E+00	-9.93E+00	-4.70E+00	0.00E+00	0.00E+00	0.00E+00	-7.92E+02
HHB125U	-8.13E-06	-1.63E+01	0.00E+00	-5.16E-08	-3.30E-07	-2.60E-02	-5.36E-09	-5.52E+00	0.00E+00	-1.63E+01	-4.75E-04	-1.63E+01	-2.12E+01	-5.52E+00	0.00E+00	0.00E+00	0.00E+00	-1.43E+03
HHB125Z	-8.13E-06	-1.18E+01	0.00E+00	-1.62E-08	-1.53E-07	-1.49E-02	-5.36E-09	-3.73E+00	0.00E+00	-1.18E+01	-2.87E-04	-1.18E+01	-1.56E+01	-3.73E+00	0.00E+00	0.00E+00	0.00E+00	-6.80E+02
HHB126Z	-8.13E-06	-6.47E+00	0.00E+00	1.84E-10	-1.65E-07	-2.12E-02	-5.36E-09	-4.55E+00	0.00E+00	-6.47E+00	-4.22E-04	-6.47E+00	-1.10E+01	-4.55E+00	0.00E+00	0.00E+00	0.00E+00	-9.81E+02
HHB160U	-8.13E-06	-1.73E+01	0.00E+00	-5.97E-08	-4.01E-07	-2.78E-02	-5.36E-09	-5.95E+00	0.00E+00	-1.73E+01	-5.94E-04	-1.73E+01	-2.22E+01	-5.95E+00	0.00E+00	0.00E+00	0.00E+00	-1.46E+03
HHB160Z	-8.13E-06	-1.21E+01	0.00E+00	-2.24E-08	-1.64E-07	-1.49E-02	-5.36E-09	-3.94E+00	0.00E+00	-1.21E+01	-3.00E-04	-1.21E+01	-1.60E+01	-3.94E+00	0.00E+00	0.00E+00	0.00E+00	-6.73E+02
HHB161Z	-8.13E-06	-7.82E+00	0.00E+00	-1.49E-08	-1.68E-07	-2.11E-02	-5.36E-09	-4.92E+00	0.00E+00	-7.82E+00	-4.31E-04	-7.82E+00	-1.25E+01	-4.92E+00	0.00E+00	0.00E+00	0.00E+00	-9.74E+02
HHB200L	0.00E+00	-1.11E+01	0.00E+00	-1.65E-08	-1.06E-07	-7.07E-03	0.00E+00	-3.88E+00	0.00E+00	-1.11E+01	-1.50E-04	-1.11E+01	-1.39E+01	-3.88E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+02
HHB200U	-8.13E-06	-1.47E+01	0.00E+00	-3.22E-08	-2.49E-07	-2.21E-02	-5.36E-09	-4.43E+00	0.00E+00	-1.47E+01	-4.40E-04	-1.47E+01	-1.95E+01	-4.43E+00	0.00E+00	0.00E+00	0.00E+00	-1.14E+03
HHB200Z	-8.13E-06	-1.15E+01	0.00E+00	-1.91E-08	-1.61E-07	-1.50E-02	-5.36E-09	-3.69E+00	0.00E+00	-1.15E+01	-3.03E-04	-1.15E+01	-1.52E+01	-3.69E+00	0.00E+00	0.00E+00	0.00E+00	-6.76E+02
HHB201L	0.00E+00	-1.61E+01	0.00E+00	-1.46E-08	-1.30E-07	-6.25E-03	0.00E+00	-5.16E+00	0.00E+00	-1.61E+01	-2.37E-05	-1.61E+01	-2.13E+01	-5.16E+00	0.00E+00	0.00E+00	0.00E+00	-4.81E+02
HHB201Z	-8.13E-06	-8.04E+00	0.00E+00	-1.32E-08	-1.66E-07	-2.11E-02	-5.36E-09	-4.59E+00	0.00E+00	-8.04E+00	-4.28E-04	-8.04E+00	-1.23E+01	-4.59E+00	0.00E+00	0.00E+00	0.00E+00	-9.76E+02
HHB250L	0.00E+00	-1.01E+01	0.00E+00	-3.74E-09	-9.21E-08	-7.97E-03	0.00E+00	-3.78E+00	0.00E+00	-1.01E+01	-1.69E-04	-1.01E+01	-1.30E+01	-3.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.33E+02
HHB250U	-8.13E-06	-1.48E+01	0.00E+00	-3.48E-08	-3.29E-07	-2.65E-02	-5.36E-09	-5.01E+00	0.00E+00	-1.48E+01	-5.04E-04	-1.48E+01	-1.95E+01	-5.01E+00	0.00E+00	0.00E+00	0.00E+00	-1.43E+03
HHB250Z	-8.13E-06	-1.04E+01	0.00E+00	-5.73E-09	-1.43E-07	-1.54E-02	-5.36E-09	-3.61E+00	0.00E+00	-1.04E+01	-3.12E-04	-1.04E+01	-1.43E+01	-3.61E+00	0.00E+00	0.00E+00	0.00E+00	-6.76E+02
HHB251L	0.00E+00	1.13E+01	0.00E+00	1.58E-07	3.32E-08	4.26E-03	0.00E+00	-2.66E+00	0.00E+00	1.13E+01	2.88E-06	1.13E+01	8.62E+00	-2.66E+00	0.00E+00	0.00E+00	0.00E+00	1.22E+02
HHB251Z	-8.13E-06	-5.15E+00	0.00E+00	2.34E-08	-1.30E-07	-2.08E-02	-5.36E-09	-4.01E+00	0.00E+00	-5.15E+00	-4.22E-04	-5.15E+00	-9.66E+00	-4.01E+00	0.00E+00	0.00E+00	0.00E+00	-9.71E+02
HHJ250DR	-3.47E-04	-3.08E+01	0.00E+00	-7.90E-08	-7.30E-07	-8.91E-02	-2.33E-07	-8.32E+00	0.00E+00	-3.08E+01	-1.61E-03	-3.08E+01	-3.81E+01	-8.32E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HHJ251DR	-5.44E-04	-4.05E+01	0.00E+00	-1.40E-07	-7.60E-07	-8.91E-02	-3.58E-07	-8.13E+00	0.00E+00	-4.05E+01	-1.61E-03	-4.05E+01	-4.88E+01	-8.13E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HHJ320DR	-3.47E-04	-3.08E+01	0.00E+00	-7.90E-08	-7.30E-07	-8.91E-02	-2.33E-07	-8.32E+00	0.00E+00	-3.08E+01	-1.61E-03	-3.08E+01	-3.81E+01	-8.32E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HHJ321DR	-5.52E-04	-4.05E+01	0.00E+00	-1.39E-07	-7.60E-07	-8.91E-02	-3.64E-07	-8.13E+00	0.00E+00	-4.05E+01	-1.61E-03	-4.05E+01	-4.88E+01	-8.13E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HHJ400DR	-4.87E-04	-3.45E+01	0.00E+00	-8.72E-08	-9.42E-07	-9.02E-02	-3.22E-07	-9.81E+00	0.00E+00	-3.45E+01	-1.62E-03	-3.45E+01	-4.43E+01	-9.81E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HHJ401DR	-1.10E-03	-8.68E+00	0.00E+00	6.09E-08	-1.11E-06	-1.00E-01	-7.26E-07	-9.86E+00	0.00E+00	-8.68E+00	-1.95E-03	-8.68E+00	-1.85E+01	-9.86E+00	0.00E+00	0.00E+00	0.00E+00	-4.72E+03
HHJ631DE	-1.10E-03	-7.02E+00	0.00E+00	1.07E-07	-1.83E-07	-1.02E-02	-7.26E-07	9.23E-01	0.00E+00	-7.02E+00	-7.16E-05	-7.02E+00	-6.09E+00	9.23E-01	0.00E+00	0.00E+00	0.00E+00	-2.02E+02
HHM100ER	-1.36E-05	-1.18E+01	0.00E+00	-1.96E-08	-2.97E-07	-2.69E-02	-8.98E-09	-3.60E+00	0.00E+00	-1.18E+01	-5.71E-04	-1.18E+01	-1.58E+01	-3.60E+00	0.00E+00	0.00E+00	0.00E+00	-1.21E+03
HHM101ER	-1.36E-05	-9.88E+00	0.00E+00	5.21E-10	-2.93E-07	-2.74E-02	-8.98E-09	-3.19E+00	0.00E+00	-9.88E+00	-6.26E-04	-9.88E+00	-1.27E+01	-3.19E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HHM103ER	-1.36E-05	-9.88E+00	0.00E+00	5.21E-10	-2.92E-07	-2.74E-02	-8.98E-09	-3.05E+00	0.00E+00	-9.88E+00	-6.32E-04	-9.88E+00	-1.27E+01	-3.05E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHM125ER	-1.36E-05	-1.18E+01	0.00E+00	-1.76E-08	-2.97E-07	-2.69E-02	-8.98E-09	-3.60E+00	0.00E+00	-1.18E+01	-5.71E-04	-1.18E+01	-1.57E+01	-3.60E+00	0.00E+00	0.00E+00	0.00E+00	-1.21E+03
HHM126ER	-1.36E-05	-9.85E+00	0.00E+00	2.59E-09	-2.92E-07	-2.73E-02	-8.98E-09	-3.05E+00	0.00E+00	-9.85E+00	-6.32E-04	-9.85E+00	-1.27E+01	-3.05E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHM128ER	-1.36E-05	-9.85E+00	0.00E+00	2.59E-09	-2.92E-07	-2.73E-02	-8.98E-09	-3.05E+00	0.00E+00	-9.85E+00	-6.32E-04	-9.85E+00	-1.27E+01	-3.05E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHM150ER	-1.36E-05	-1.18E+01	0.00E+00	-1.72E-08	-2.98E-07	-2.69E-02	-8.98E-09	-3.74E+00	0.00E+00	-1.18E+01	-5.66E-04	-1.18E+01	-1.58E+01	-3.74E+00	0.00E+00	0.00E+00	0.00E+00	-1.20E+03
HHM151ER	-1.36E-05	-9.86E+00	0.00E+00	2.73E-09	-2.93E-07	-2.73E-02	-8.98E-09	-3.17E+00	0.00E+00	-9.86E+00	-6.27E-04	-9.86E+00	-1.27E+01	-3.17E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HHM153ER	-1.36E-05	-9.86E+00	0.00E+00	1.49E-09	-2.92E-07	-2.73E-02	-8.98E-09	-3.05E+00	0.00E+00	-9.86E+00	-6.32E-04	-9.86E+00	-1.27E+01	-3.05E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHM160ER	-1.36E-05	-1.20E+01	0.00E+00	-1.77E-08	-3.27E-07	-2.72E-02	-8.98E-09	-3.67E+00	0.00E+00	-1.20E+01	-6.03E-04	-1.20E+01	-1.60E+01	-3.67E+00	0.00E+00	0.00E+00	0.00E+00	-1.21E+03
HHM161ER	-1.36E-05	-1.00E+01	0.00E+00	2.44E-09	-3.22E-07	-2.76E-02	-8.98E-09	-3.12E+00	0.00E+00	-1.00E+01	-6.69E-04	-1.00E+01	-1.28E+01	-3.12E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHM163ER	-1.36E-05	-1.00E+01	0.00E+00	2.44E-09	-3.22E-07	-2.76E-02	-8.98E-09	-3.12E+00	0.00E+00	-1.00E+01	-6.69E-04	-1.00E+01	-1.28E+01	-3.12E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHM200ER	-1.36E-05	-1.17E+01	0.00E+00	-1.93E-08	-3.22E-07	-2.72E-02	-8.98E-09	-3.54E+00	0.00E+00	-1.17E+01	-6.07E-04	-1.17E+01	-1.58E+01	-3.54E+00	0.00E+00	0.00E+00	0.00E+00	-1.21E+03
HHM201ER	-1.36E-05	-9.74E+00	0.00E+00	2.67E-09	-3.17E-07	-2.79E-02	-8.98E-09	-3.03E+00	0.00E+00	-9.74E+00	-6.73E-04	-9.74E+00	-1.28E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHM203ER	-1.36E-05	-9.74E+00	0.00E+00	2.67E-09	-3.17E-07	-2.79E-02	-8.98E-09	-3.03E+00	0.00E+00	-9.74E+00	-6.73E-04	-9.74E+00	-1.28E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHM250ER	-1.36E-05	-1.07E+01	0.00E+00	-7.32E-09	-3.21E-07	-2.75E-02	-8.98E-09	-3.56E+00	0.00E+00	-1.07E+01	-6.09E-04	-1.07E+01	-1.50E+01	-3.56E+00	0.00E+00	0.00E+00	0.00E+00	-1.21E+03
HHM251ER	-1.36E-05	-9.07E+00	0.00E+00	1.46E-08	-3.15E-07	-2.80E-02	-8.98E-09	-3.07E+00	0.00E+00	-9.07E+00	-6.74E-04	-9.07E+00	-1.23E+01	-3.07E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHM253ER	-1.36E-05	-9.07E+00	0.00E+00	1.46E-08	-3.15E-07	-2.80E-02	-8.98E-09	-3.07E+00	0.00E+00	-9.07E+00	-6.74E-04	-9.07E+00	-1.23E+01	-3.07E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HHS014EC	0.00E+00	-7.15E+00	0.00E+00	-2.11E-08	-4.85E-08	-3.87E-03	0.00E+00	-6.70E-01	0.00E+00	-7.15E+00	-7.14E-05	-7.15E+00	-6.98E+00	-6.70E-01	0.00E+00	0.00E+00	0.00E+00	-2.11E+02
HHS018EC	0.00E+00	-7.15E+00	0.00E+00	-2.11E-08	-4.85E-08	-3.87E-03	0.00E+00	-6.70E-01	0.00E+00	-7.15E+00	-7.13E-05	-7.15E+00	-6.98E+00	-6.70E-01	0.00E+00	0.00E+00	0.00E+00	-2.11E+02
HHS023EC	0.00E+00	-7.16E+00	0.00E+00	-2.06E-08	-4.85E-08	-3.87E-03	0.00E+00	-6.70E-01	0.00E+00	-7.16E+00	-7.00E-05	-7.16E+00	-6.98E+00	-6.70E-01	0.00E+00	0.00E+00	0.00E+00	-2.11E+02
HHS025BC	-5.51E-06	-1.03E+01	0.00E+00	-1.68E-08	-1.29E-07	-1.07E-02	-3.63E-09	-1.55E+00	0.00E+00	-1.03E+01	-1.31E-04	-1.03E+01	-1.28E+01	-1.55E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HHS025DC	-5.51E-06	-1.03E+01	0.00E+00	-1.91E-08	-1.32E-07	-1.08E-02	-3.63E-09	-1.45E+00	0.00E+00	-1.03E+01	-1.36E-04	-1.03E+01	-1.25E+01	-1.45E+00	0.00E+00	0.00E+00	0.00E+00	-6.05E+02
HHS025DR	-1.14E-05	-1.04E+01	0.00E+00	-3.08E-08	-1.22E-07	-1.18E-02	-7.52E-09	-1.59E+00	0.00E+00	-1.04E+01	-1.69E-04	-1.04E+01	-1.18E+01	-1.59E+00	0.00E+00	0.00E+00	0.00E+00	-5.60E+02
HHS026BC	-5.51E-06	-1.15E+01	0.00E+00	-1.84E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HHS026DC	-5.51E-06	-1.11E+01	0.00E+00	-1.82E-08	-2.32E-07	-1.64E-02	-3.63E-09	-2.79E+00	0.00E+00	-1.11E+01	-3.52E-04	-1.11E+01	-1.32E+01	-2.79E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HHS026DR	-1.14E-05	-1.09E+01	0.00E+00	-3.00E-08	-1.66E-07	-1.58E-02	-7.52E-09	-2.37E+00	0.00E+00	-1.09E+01	-2.34E-04	-1.09E+01	-1.23E+01	-2.37E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HHS030EC	0.00E+00	-7.15E+00	0.00E+00	-2.11E-08	-4.76E-08	-3.87E-03	0.00E+00	-6.70E-01	0.00E+00	-7.15E+00	-7.14E-05	-7.15E+00	-6.98E+00	-6.70E-01	0.00E+00	0.00E+00	0.00E+00	-2.11E+02
HHS038EC	0.00E+00	-6.53E+00	0.00E+00	-1.94E-08	-4.21E-08	-3.61E-03	0.00E+00	-4.88E-01	0.00E+00	-6.53E+00	-6.90E-05	-6.53E+00	-6.11E+00	-4.88E-01	0.00E+00	0.00E+00	0.00E+00	-2.01E+02
HHS040BC	-5.51E-06	-1.01E+01	0.00E+00	-1.53E-08	-1.29E-07	-1.06E-02	-3.63E-09	-1.53E+00	0.00E+00	-1.01E+01	-1.28E-04	-1.01E+01	-1.27E+01	-1.53E+00	0.00E+00	0.00E+00	0.00E+00	-5.84E+02
HHS040DC	-5.51E-06	-1.01E+01	0.00E+00	-1.67E-08	-1.30E-07	-1.06E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.01E+01	-1.26E-04	-1.01E+01	-1.26E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-5.78E+02
HHS040DR	-1.14E-05	-1.04E+01	0.00E+00	-2.98E-08	-1.20E-07	-1.18E-02	-7.52E-09	-1.48E+00	0.00E+00	-1.04E+01	-1.65E-04	-1.04E+01	-1.17E+01	-1.48E+00	0.00E+00	0.00E+00	0.00E+00	-5.58E+02
HHS041BC	-5.51E-06	-1.14E+01	0.00E+00	-1.69E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.74E+00	0.00E+00	-1.14E+01	-3.52E-04	-1.14E+01	-1.34E+01	-2.74E+00	0.00E+00	0.00E+00	0.00E+00	-8.23E+02
HHS041DC	-5.51E-06	-9.84E+00	0.00E+00	-1.12E-08	-1.39E-07	-1.14E-02	-3.63E-09	-2.28E+00	0.00E+00	-9.84E+00	-1.41E-04	-9.84E+00	-1.23E+01	-2.28E+00	0.00E+00	0.00E+00	0.00E+00	-6.08E+02
HHS041DR	-1.14E-05	-1.08E+01	0.00E+00	-2.81E-08	-1.50E-07	-1.51E-02	-7.52E-09	-2.22E+00	0.00E+00	-1.08E+01	-2.28E-04	-1.08E+01	-1.19E+01	-2.22E+00	0.00E+00	0.00E+00	0.00E+00	-7.57E+02
HHS048EC	0.00E+00	-6.53E+00	0.00E+00	-1.94E-08	-4.21E-08	-3.61E-03	0.00E+00	-4.90E-01	0.00E+00	-6.53E+00	-6.96E-05	-6.53E+00	-6.11E+00	-4.90E-01	0.00E+00	0.00E+00	0.00E+00	-2.01E+02
HHS050BC	-5.51E-06	-1.05E+01	0.00E+00	-1.87E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HHS051BC	-5.51E-06	-1.15E+01	0.00E+00	-1.84E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HHS061EC	0.00E+00	-6.59E+00	0.00E+00	-2.02E-08	-4.21E-08	-3.61E-03	0.00E+00	-5.05E-01	0.00E+00	-6.59E+00	-6.96E-05	-6.59E+00	-6.23E+00	-5.05E-01	0.00E+00	0.00E+00	0.00E+00	-2.01E+02
HHS063BC	-5.51E-06	-1.05E+01	0.00E+00	-1.97E-08	-1.44E-07	-1.34E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.91E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.33E+02
HHS063DC	-5.51E-06	-1.03E+01	0.00E+00	-2.05E-08	-1.44E-07	-1.34E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.91E-04	-1.03E+01	-1.25E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.33E+02
HHS063DR	-1.14E-05	-1.04E+01	0.00E+00	-3.23E-08	-1.23E-07	-1.18E-02	-7.52E-09	-1.68E+00	0.00E+00	-1.04E+01	-1.73E-04	-1.04E+01	-1.18E+01	-1.68E+00	0.00E+00	0.00E+00	0.00E+00	-5.68E+02

HHS064BC	-1.21E-01	-8.18E-01	-1.47E-02	-8.31E-01	0.00E+00	0.00E+00	-2.12E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.99E-03	-9.97E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.94E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.76E+00	0.00E+00	-1.15E+01	-3.53E-04	-1.15E+01	-1.34E+01	-2.76E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HHS064DC	-1.13E-01	-7.81E-01	-1.32E-02	-8.23E-01	0.00E+00	0.00E+00	-1.96E+01	-1.12E-02	-3.92E-03	-6.53E-02	0.00E+00	-1.54E-08	-2.01E-08	-1.29E-06	-6.42E-03	-1.01E+01	0.00E+00	0.00E+00	-1.73E+01	-5.51E-06	-1.10E+01	0.00E+00	-1.88E-08	-2.22E-07	-1.53E-02	-3.63E-09	-2.77E+00	0.00E+00	-1.10E+01	-3.28E-04	-1.10E+01	-1.31E+01	-2.77E+00	0.00E+00	0.00E+00	0.00E+00	-7.81E+02
HHS064DR	-6.99E-02	-8.61E-01	-9.29E-03	-7.68E-01	0.00E+00	0.00E+00	-2.07E+01	-8.02E-03	-1.62E-03	-4.92E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.63E-07	1.15E-02	-9.07E+00	0.00E+00	0.00E+00	-1.63E+01	-1.14E-05	-1.08E+01	0.00E+00	-3.02E-08	-1.46E-07	-1.47E-02	-7.52E-09	-2.33E+00	0.00E+00	-1.08E+01	-2.31E-04	-1.08E+01	-1.19E+01	-2.33E+00	0.00E+00	0.00E+00	0.00E+00	-7.46E+02
HHS078EC	-2.61E-02	-4.12E-01	-1.12E-02	-4.46E-01	0.00E+00	0.00E+00	-4.77E+00	-2.69E-03	-1.79E-04	-1.41E-02	0.00E+00	0.00E+00	-4.87E-09	-3.31E-07	9.56E-04	-2.40E+00	0.00E+00	0.00E+00	-4.51E+00	0.00E+00	-6.31E+00	0.00E+00	-1.84E-08	-5.42E-08	-4.04E-03	0.00E+00	-5.61E-01	0.00E+00	-6.31E+00	-7.15E-05	-6.31E+00	-5.92E+00	-5.61E-01	0.00E+00	0.00E+00	0.00E+00	-2.11E+02
HHS080BC	-5.99E-02	-6.41E-01	-8.43E-03	-6.76E-01	0.00E+00	0.00E+00	-1.84E+01	-6.58E-03	-6.96E-04	-4.05E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.04E-07	-1.09E-02	-6.42E+00	0.00E+00	0.00E+00	-1.60E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.92E-08	-1.43E-07	-1.34E-02	-3.63E-09	-1.49E+00	0.00E+00	-1.05E+01	-1.89E-04	-1.05E+01	-1.26E+01	-1.49E+00	0.00E+00	0.00E+00	0.00E+00	-7.33E+02
HHS080DC	-6.23E-02	-6.25E-01	-7.46E-03	-6.76E-01	0.00E+00	0.00E+00	-1.84E+01	-6.75E-03	-6.96E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.18E-07	-1.07E-02	-6.40E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.03E+01	0.00E+00	-2.00E-08	-1.47E-07	-1.37E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.92E-04	-1.03E+01	-1.24E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.40E+02
HHS080DR	-4.50E-02	-8.70E-01	-8.08E-03	-7.29E-01	0.00E+00	0.00E+00	-1.54E+01	-6.02E-03	1.28E-03	-4.04E-02	0.00E+00	-3.20E-08	-1.26E-08	-6.58E-07	1.20E-02	-6.45E+00	0.00E+00	0.00E+00	-1.38E+01	-1.14E-05	-1.10E+01	0.00E+00	-3.25E-08	-1.24E-07	-1.20E-02	-7.52E-09	-1.46E+00	0.00E+00	-1.10E+01	-1.71E-04	-1.10E+01	-1.23E+01	-1.46E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HHS081BC	-1.21E-01	-8.20E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.64E-03	-9.91E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.88E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HHS081DC	-1.21E-01	-8.03E-01	-1.37E-02	-8.18E-01	0.00E+00	0.00E+00	-2.09E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-5.81E-03	-1.02E+01	0.00E+00	0.00E+00	-1.77E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.86E-08	-2.32E-07	-1.64E-02	-3.63E-09	-2.79E+00	0.00E+00	-1.11E+01	-3.52E-04	-1.11E+01	-1.32E+01	-2.79E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HHS081DR	-6.96E-02	-8.61E-01	-8.69E-03	-7.68E-01	0.00E+00	0.00E+00	-2.06E+01	-7.96E-03	-1.62E-03	-4.91E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.60E-07	1.27E-02	-9.02E+00	0.00E+00	0.00E+00	-1.64E+01	-1.14E-05	-1.08E+01	0.00E+00	-2.93E-08	-1.49E-07	-1.51E-02	-7.52E-09	-2.31E+00	0.00E+00	-1.08E+01	-2.31E-04	-1.08E+01	-1.19E+01	-2.31E+00	0.00E+00	0.00E+00	0.00E+00	-7.53E+02
HHS098EC	-2.68E-02	-4.16E-01	-1.12E-02	-4.46E-01	0.00E+00	0.00E+00	-4.77E+00	-2.70E-03	-1.75E-04	-1.41E-02	0.00E+00	0.00E+00	-4.88E-09	-3.35E-07	1.39E-03	-2.40E+00	0.00E+00	0.00E+00	-4.51E+00	0.00E+00	-6.28E+00	0.00E+00	-1.89E-08	-5.42E-08	-4.04E-03	0.00E+00	-5.72E-01	0.00E+00	-6.28E+00	-7.34E-05	-6.28E+00	-5.91E+00	-5.72E-01	0.00E+00	0.00E+00	0.00E+00	-2.11E+02
HHS100BC	-6.23E-02	-6.41E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.14E-02	-6.38E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.87E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HHS100DC	-6.23E-02	-6.24E-01	-7.46E-03	-6.76E-01	0.00E+00	0.00E+00	-1.84E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.06E-02	-6.36E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.95E-08	-1.47E-07	-1.37E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.92E-04	-1.03E+01	-1.24E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.40E+02
HHS100DR	-4.56E-02	-8.72E-01	-8.08E-03	-7.29E-01	0.00E+00	0.00E+00	-1.54E+01	-5.95E-03	1.50E-03	-4.02E-02	0.00E+00	-3.20E-08	-1.26E-08	-6.44E-07	1.26E-02	-6.39E+00	0.00E+00	0.00E+00	-1.38E+01	-1.14E-05	-1.10E+01	0.00E+00	-3.19E-08	-1.24E-07	-1.20E-02	-7.52E-09	-1.62E+00	0.00E+00	-1.10E+01	-1.69E-04	-1.10E+01	-1.23E+01	-1.62E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HHS101BC	-1.21E-01	-8.19E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.53E-03	-9.89E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.84E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HHS101DC	-1.12E-01	-7.81E-01	-1.28E-02	-8.18E-01	0.00E+00	0.00E+00	-1.96E+01	-1.12E-02	-3.92E-03	-6.53E-02	0.00E+00	-1.54E-08	-2.01E-08	-1.29E-06	-5.69E-03	-1.00E+01	0.00E+00	0.00E+00	-1.73E+01	-5.51E-06	-1.10E+01	0.00E+00	-1.77E-08	-2.22E-07	-1.53E-02	-3.63E-09	-2.77E+00	0.00E+00	-1.10E+01	-3.27E-04	-1.10E+01	-1.31E+01	-2.77E+00	0.00E+00	0.00E+00	0.00E+00	-7.81E+02
HHS101DR	-6.84E-02	-8.63E-01	-8.69E-03	-7.68E-01	0.00E+00	0.00E+00	-2.06E+01	-7.92E-03	-1.62E-03	-4.89E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.47E-07	1.34E-02	-8.97E+00	0.00E+00	0.00E+00	-1.63E+01	-1.14E-05	-1.08E+01	0.00E+00	-2.89E-08	-1.45E-07	-1.47E-02	-7.52E-09	-2.29E+00	0.00E+00	-1.08E+01	-2.29E-04	-1.08E+01	-1.19E+01	-2.29E+00	0.00E+00	0.00E+00	0.00E+00	-7.46E+02
HHS102DC	-8.97E-02	-7.23E-01	-9.59E-03	-7.50E-01	0.00E+00	0.00E+00	-1.94E+01	-8.97E-03	-1.98E-03	-5.28E-02	0.00E+00	-1.54E-08	-1.54E-08	-9.73E-07	-5.79E-03	-9.14E+00	0.00E+00	0.00E+00	-1.73E+01	-5.51E-06	-1.06E+01	0.00E+00	-1.68E-08	-1.82E-07	-1.49E-02	-3.63E-09	-2.57E+00	0.00E+00	-1.06E+01	-2.61E-04	-1.06E+01	-1.26E+01	-2.57E+00	0.00E+00	0.00E+00	0.00E+00	-7.75E+02
HHS123EC	-2.36E-02	-4.24E-01	-1.10E-02	-4.57E-01	0.00E+00	0.00E+00	-4.49E+00	-2.32E-03	4.54E-07	-1.29E-02	0.00E+00	0.00E+00	-4.45E-09	-2.99E-07	3.26E-03	-2.42E+00	0.00E+00	0.00E+00	-4.23E+00	0.00E+00	-6.53E+00	0.00E+00	-1.94E-08	-4.50E-08	-3.60E-03	0.00E+00	-5.39E-01	0.00E+00	-6.53E+00	-6.85E-05	-6.53E+00	-6.15E+00	-5.39E-01	0.00E+00	0.00E+00	0.00E+00	-2.01E+02
HHS125BC	-6.46E-02	-6.56E-01	-8.48E-03	-6.94E-01	0.00E+00	0.00E+00	-1.92E+01	-6.89E-03	-8.58E-04	-4.31E-02	0.00E+00	-1.54E-08	-1.39E-08	-7.42E-07	-1.00E-02	-6.30E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.07E+01	0.00E+00	-1.96E-08	-1.69E-07	-1.41E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.07E+01	-1.97E-04	-1.07E+01	-1.29E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.58E+02
HHS125DC	-6.46E-02	-6.40E-01	-7.38E-03	-6.94E-01	0.00E+00	0.00E+00	-1.89E+01	-6.89E-03	-8.58E-04	-4.31E-02	0.00E+00	-1.54E-08	-1.39E-08	-7.42E-07	-9.31E-03	-6.28E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-2.04E-08	-1.68E-07	-1.41E-02	-3.63E-09	-1.52E+00	0.00E+00	-1.05E+01	-1.97E-04	-1.05E+01	-1.28E+01	-1.52E+00	0.00E+00	0.00E+00	0.00E+00	-7.48E+02
HHS125DR	-4.69E-02	-8.79E-01	-7.41E-03	-7.46E-01	0.00E+00	0.00E+00	-1.57E+01	-6.07E-03	1.09E-03	-4.11E-02	0.00E+00	-3.20E-08	-1.38E-08	-6.65E-07	1.44E-02	-6.13E+00	0.00E+00	0.00E+00	-1.37E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.38E-08	-1.43E-07	-1.23E-02	-7.52E-09	-1.61E+00	0.00E+00	-1.12E+01	-1.70E-04	-1.12E+01	-1.26E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-5.98E+02
HHS126BC	-1.23E-01	-8.35E-01	-1.44E-02	-8.41E-01	0.00E+00	0.00E+00	-2.16E+01	-1.25E-02	-4.59E-03	-7.12E-02	0.00E+00	-1.54E-08	-2.21E-08	-1.44E-06	-5.24E-03	-9.97E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.17E+01	0.00E+00	-1.90E-08	-2.52E-07	-1.70E-02	-3.63E-09	-2.81E+00	0.00E+00	-1.17E+01	-3.64E-04	-1.17E+01	-1.37E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-8.35E+02
HHS126DC	-1.16E-01	-7.98E-01	-1.28E-02	-8.32E-01	0.00E+00	0.00E+00	-2.00E+01	-1.17E-02	-4.19E-03	-6.77E-02	0.00E+00	-1.54E-08	-2.11E-08	-1.35E-06	-4.42E-03	-1.02E+01	0.00E+00	0.00E+00	-1.73E+01	-5.51E-06	-1.12E+01	0.00E+00	-1.83E-08	-2.41E-07	-1.56E-02	-3.63E-09	-2.83E+00	0.00E+00	-1.12E+01	-3.40E-04	-1.12E+01	-1.34E+01	-2.83E+00	0.00E+00	0.00E+00	0.00E+00	-7.89E+02
HHS126DR	-7.16E-02	-8.71E-01	-8.16E-03	-7.85E-01	0.00E+00	0.00E+00	-2.10E+01	-8.60E-03	-1.92E-03	-5.13E-02	0.00E+00	-3.20E-08	-1.49E-08	-9.17E-07	1.52E-02	-8.88E+00	0.00E+00	0.00E+00	-1.63E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.08E-08	-1.69E-07	-1.51E-02	-7.52E-09	-2.35E+00	0.00E+00	-1.11E+01	-2.40E-04	-1.11E+01	-1.21E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	-7.56E+02
HHS127DC	-9.49E-02	-7.45E-01	-9.56E-03	-7.80E-01	0.00E+00	0.00E+00	-2.00E+01	-9.64E-03	-2.25E-03	-5.56E-02	0.00E+00	-1.54E-08	-1.69E-08	-1.06E-06	-4.48E-03	-9.29E+00	0.00E+00	0.00E+00	-1.73E+01	-5.51E-06	-1.08E+01	0.00E+00	-1.74E-08	-2.10E-07	-1.56E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.08E+01	-2.77E-04	-1.08E+01	-1.30E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-7.89E+02
HHS160BC	-7.27E-02	-6.40E-01	-1.02E-02	-5.71E-01	0.00E+00	0.00E+00	-2.00E+01	-7.49E-03	-1.29E-03	-4.56E-02	0.00E+00	-1.54E-08	-1.43E-08	-8.56E-07	-1.54E-02	-6.75E+00	0.00E+00	0.00E+00	-1.67E+01	-5.51E-06	-1.01E+01	0.00E+00	-2.15E-08	-1.72E-07	-1.44E-02	-3.63E-09	-1.61E+00	0.00E+00	-1.01E+01	-2.14E-04	-1.01E+01	-1.23E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-7.62E+02
HHS160DC	-7.27E-02	-6.40E-01	-1.02E-02	-5.71E-01	0.00E+00	0.00E+00	-2.00E+01	-7.49E-03	-1.29E-03	-4.56E-02	0.00E+00	-1.54E-08	-1.43E-08	-8.56E-07	-1.54E-02	-6.75E+00	0.00E+00	0.00E+00	-1.67E+01	-5.51E-06	-1.01E+01	0.00E+00	-2.15E-08	-1.72E-07	-1.44E-02	-3.63E-09	-1.61E+00	0.00E+00	-1.01E+01	-2.14E-04	-1.01E+01	-1.23E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-7.62E+02
HHS160DR	-5.95E-02	-8.55E-01	-9.23E-03	-6.75E-01	0.00E+00	0.00E+00	-1.70E+01	-7.04E-03	2.83E-04	-4.36E-02	0.00E+00	-3.20E-08	-1.39E-08	-8.06E-07	1.08E-02	-6.65E+00	0.00E+00	0.00E+00	-1.45E+01	-1.14E-05	-1.04E+01	0.00E+00	-3.25E-08	-1.50E-07	-1.27E-02	-7.52E-09	-1.68E+00	0.00E+00	-1.04E+01	-1.99E-04	-1.04E+01	-1.20E+01	-1.68E+00	0.00E+00	0.00E+00	0.00E+00	-5.97E+02
HHS161BC	-1.28E-01	-8.04E-01	-1.56E-02	-7.12E-01	0.00E+00	0.00E+00	-2.25E+01	-1.28E-02	-4.86E-03	-7.33E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-06	-9.10E-03	-1.02E+01	0.00E+00	0.00E+00	-1.83E+01	-5.51E-06	-1.10E+01	0.00E+00	-2.01E-08	-2.45E-07	-1.72E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.10E+01	-3.73E-04	-1.10E+01	-1.30E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.39E+02
HHS161DC	-1.28E-01	-8.29E-01	-1.56E-02	-7.04E-01	0.00E+00	0.00E+00	-2.24E+01	-1.29E-02	-4.90E-03	-7.33E-02	0.00E+00	-1.54E-08	-2.23E-08	-1.52E-06	-9.06E-03	-1.05E+01	0.00E+00	0.00E+00	-1.81E+01	-5.51E-06	-1.09E+01	0.00E+00	-1.77E-08	-2.45E-07	-1.69E-02	-3.63E-09	-2.88E+00	0.00E+00	-1.09E+01	-3.73E-04	-1.09E+01	-1.32E+01	-2.88E+00	0.00E+00	0.00E+00	0.00E+00	-8.26E+02
HHS161DR	-7.99E-02	-8.62E-01	-9.61E-03	-7.14E-01	0.00E+00	0.00E+00	-2.20E+01	-9.53E-03	-2.98E-04	-5.41E-02	0.00E+00	-3.20E-08	-1.45E-08	-1.03E-06	1.19E-02	-9.30E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.06E-08	-1.76E-07	-1.58E-02	-7.52E-09	-2.46E+00	0.00E+00	-1.09E+01	-2.60E-04	-1.09E+01	-1.20E+01	-2.46E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HHS162DC	-1.03E-01	-7.29E-01	-1.17E-02	-6.52E-01	0.00E+00	0.00E+00	-2.08E+01	-1.02E-02	-2.62E-03	-5.81E-02	0.00E+00	-1.54E-08	-1.71E-08	-1.16E-06	-8.42E-03	-9.45E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.68E-08	-2.08E-07	-1.60E-02	-3.63E-09	-2.76E+00	0.00E+00	-1.05E+01	-2.93E-04	-1.05E+01	-1.24E+01	-2.76E+00	0.00E+00	0.00E+00	0.00E+00	-7.93E+02
HHT050DR	-1.46E-01	-9.20E-01	-1.53E-02	-9.27E-01	0.00E+00	0.00E+00	-2.59E+01	-1.49E-02	-6.35E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.55E-08	-1.72E-06	-1.36E-02	-1.28E+01	0.00E+00	0.00E+00	-2.11E+01	-5.51E-06	-1.12E+01	0.00E+00	-1.28E-08	-2.80E-07	-2.06E-02	-3.63E-09	-3.55E+00	0.00E+00	-1.12E+01	-4.32E-04	-1.12E+01	-1.43E+01	-3.55E+00	0.00E+00	0.00E+00	0.00E+00	-9.81E+02
HHT051DR	-1.65E-01	-7.55E-01	-1.40E-03	-7.36E-01	0.00E+00	0.00E+00	-2.50E+01	-1.73E-02	-6.12E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.26E-08	-2.00E-06	6.96E-03	-1.29E+01	0.00E+00	0.00E+00	-2.10E+01	-5.51E-06	-9.09E+00	0.00E+00	9.05E-09	-2.63E-07	-2.03E-02	-3.63E-09	-2.93E+00	0.00E+00	-9.09E+00	-4.94E-04	-9.09E+00	-1.12E+01	-2.93E+00	0.00E+00	0.00E+00	0.00E+00	-9.87E+02
HHT063DR	-1.46E-01	-9.20E-01	-1.53E-02	-9.27E-01	0.00E+00	0.00E+00	-2.59E+01	-1.49E-02	-6.35E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.55E-08	-1.72E-06	-1.36E-02	-1.28E+01	0.00E+00	0.00E+00	-2.11E+01	-5.51E-06	-1.12E+01	0.00E+00	-1.28E-08	-2.80E-07	-2.06E-02	-3.63E-09	-3.55E+00	0.00E+00	-1.12E+01	-4.32E-04	-1.12E+01	-1.43E+01	-3.55E+00	0.00E+00	0.00E+00	0.00E+00	-9.81E+02
HHT064DR	-1.65E-01	-7.30E-01	-9.57E-04	-7.36E-01	0.00E+00	0.00E+00	-2.36E+01	-1.73E-02	-6.10E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.25E-08	-1.99E-06	8.05E-03	-1.25E+01	0.00E+00	0.00E+00	-2.05E+01	-5.51E-06	-9.09E+00	0.00E+00	8.72E-09	-2.57E-07	-1.99E-02	-3.63E-09	-2.93E+00	0.00E+00	-9.09E+00	-4.94E-04	-9.09E+00	-1.09E+01	-2.93E+00	0.00E+00	0.00E+00	0.00E+00	-9.58E+02
HHT100BR	-1.95E-01	-9.54E-01	-1.56E-02	-9.79E-01	0.00E+00	0.00E+00	-4.03E+01	-1.92E-02	-8.61E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.71E-08	-2.23E-06	-1.82E-02	-1.43E+01	0.00E+00	0.00E+00	-2.84E+01	-1.36E-05	-1.20E+01	0.00E+00	-1.65E-08	-3.01E-07	-2.69E-02	-8.98E-09	-3.68E+00	0.00E+00	-1.20E+01	-5.67E-04	-1.20E+01	-1.59E+01	-3.68E+00	0.00E+00	0.00E+00	0.00E+00	-1.20E+03
HHT100DR	-1.49E-01	-9.17E-01	-1.53E-02	-9.27E-01	0.00E+00	0.00E+00	-2.59E+01	-1.51E-02	-6.35E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.54E-08	-1.75E-06	-1.45E-02	-1.28E+01	0.00E+00	0.00E+00	-2.15E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.21E-08	-2.76E-07	-2.06E-02	-3.63E-09	-3.53E+00	0.00E+00	-1.13E+01	-4.36E-04	-1.13E+01	-1.43E+01	-3.53E+00	0.00E+00	0.00E+00	0.00E+00	-9.81E+02
HHT101BR	-1.67E-01	-7.52E-01	-1.24E-03	-7.36E-01	0.00E+00	0.00E+00	-2.62E+01	-1.76E-02	-6.20E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.30E-08	-2.02E-06	6.49E-03	-1.29E+01	0.00E+00	0.00E+00	-2.19E+01	-5.51E-06	-9.18E+00	0.00E+00	8.33E-09	-2.72E-07	-2.11E-02	-3.63E-09	-2.99E+00	0.00E+00	-9.18E+00	-4.99E-04	-9.18E+00	-1.12E+01	-2.99E+00	0.00E+00	0.00E+00	0.00E+00	-1.00E+03
HHT101DR	-1.65E-01	-7.52E-01	-1.38E-03	-7.36E-01	0.00E+00	0.00E+00	-2.50E+01	-1.73E-02	-6.12E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.30E-08	-2.00E-06	7.39E-03	-1.29E+01	0.00E+00	0.00E+00	-2.10E+01	-5.51E-06	-9.10E+00	0.00E+00	8.33E-09	-2.75E-07	-2.03E-02	-3.63E-09	-2.93E+00	0.00E+00	-9.10E+00	-4.94E-04	-9.10E+00	-1.12E+01	-2.93E+00	0.00E+00	0.00E+00	0.00E+00	-9.87E+02
HHT102DR	-2.13E-01	-7.94E-01	-1.66E-03	-7.88E-01	0.00E+00	0.00E+00	-4.02E+01	-2.21E-02	-8.64E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.50E-08	-2.55E-06	9.44E-04	-1.43E+01	0.00E+00	0.00E+00	-2.93E+01	-1.36E-05	-9.95E+00	0.00E+00	2.28E-09	-2.96E-07	-2.71E-02	-8.98E-09	-3.03E+00	0.00E+00	-9.95E+00	-6.33E-04	-9.95E+00	-1.28E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HHT125BR	-1.95E-01	-9.49E-01	-1.52E-02	-9.79E-01	0.00E+00	0.00E+00	-4.03E+01	-1.92E-02	-8.76E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.71E-08	-2.23E-06	-1.81E-02	-1.43E+01	0.00E+00	0.00E+00	-2.84E+01	-1.36E-05	-1.20E+01	0.00E+00	-1.45E-08	-3.01E-07	-2.69E-02	-8.98E-09	-3.68E+00	0.00E+00	-1.20E+01	-5.67E-04	-1.20E+01	-1.58E+01	-3.68E+00	0.00E+00	0.00E+00	0.00E+00	-1.20E+03
HHT125DR	-1.28E-01	-8.29E-01	-1.34E-02	-8.69E-01	0.00E+00	0.00E+00	-1.95E+01	-1.33E-02	-3.59E-03	-8.37E-02	0.00E+00	-1.54E-08	-2.47E-08	-1.52E-06	-2.36E-02	-1.19E+01	0.00E+00	0.00E+00	-1.87E+01	-5.51E-06	-1.11E+01	0.00E+00	-8.76E-09	-2.56E-07	-1.76E-02	-3.63E-09	-4.12E+00	0.00E+00	-1.11E+01	-3.91E-04	-1.11E+01	-1.44E+01	-4.12E+00	0.00E+00	0.00E+00	0.00E+00	-8.07E+02
HHT126BR	-1.67E-01	-7.48E-01	-8.34E-04	-7.36E-01	0.00E+00	0.00E+00	-2.61E+01	-1.76E-02	-6.34E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.30E-08	-2.02E-06	6.82E-03	-1.28E+01	0.00E+00	0.00E+00	-2.19E+01	-5.51E-06	-9.16E+00	0.00E+00	1.04E-08	-2.72E-07	-2.10E-02	-3.63E-09	-2.99E+00	0.00E+00	-9.16E+00	-4.99E-04	-9.16E+00	-1.12E+01	-2.99E+00	0.00E+00	0.00E+00	0.00E+00	-1.00E+03
HHT126DR	-1.65E-01	-7.01E-01	-5.30E-04	-6.96E-01	0.00E+00	0.00E+00	-2.35E+01	-1.73E-02	-6.38E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.24E-08	-1.98E-06	8.59E-03	-1.25E+01	0.00E+00	0.00E+00	-2.06E+01	-5.51E-06	-9.08E+00	0.00E+00	1.23E-08	-2.57E-07	-1.98E-02	-3.63E-09	-2.96E+00	0.00E+00	-9.08E+00	-4.93E-04	-9.08E+00	-1.08E+01	-2.96E+00	0.00E+00	0.00E+00	0.00E+00	-9.54E+02
HHT127DR	-2.13E-01	-7.69E-01	-1.25E-03	-7.49E-01	0.00E+00	0.00E+00	-4.01E+01	-2.21E-02	-8.78E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.49E-08	-2.54E-06	1.08E-03	-1.43E+01	0.00E+00	0.00E+00	-2.95E+01	-1.36E-05	-9.91E+00	0.00E+00	4.74E-09	-2.96E-07	-2.71E-02	-8.98E-09	-3.08E+00	0.00E+00	-9.91E+00	-6.32E-04	-9.91E+00	-1.28E+01	-3.08E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HHT160BR	-2.03E-01	-9.66E-01	-1.55E-02	-9.79E-01	0.00E+00	0.00E+00	-4.08E+01	-2.02E-02	-8.93E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.84E-08	-2.36E-06	-1.66E-02	-1.44E+01	0.00E+00	0.00E+00	-2.84E+01	-1.36E-05	-1.22E+01	0.00E+00	-1.46E-08	-3.31E-07	-2.72E-02	-8.98E-09	-3.76E+00	0.00E+00	-1.22E+01	-6.00E-04	-1.22E+01	-1.61E+01	-3.76E+00	0.00E+00	0.00E+00	0.00E+00	-1.20E+03
HHT160DR	-1.60E-01	-9.27E-01	-1.52E-02	-9.27E-01	0.00E+00	0.00E+00	-2.66E+01	-1.63E-02	-6.67E-03	-9.27E-02	0.00E+00	-1.54E-08	-2.68E-08	-1.91E-06	-1.29E-02	-1.29E+01	0.00E+00	0.00E+00	-2.15E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.03E-08	-3.07E-07	-2.11E-02	-3.63E-09	-3.61E+00	0.00E+00	-1.15E+01	-4.72E-04	-1.15E+01	-1.45E+01	-3.61E+00	0.00E+00	0.00E+00	0.00E+00	-9.95E+02
HHT161BR	-1.80E-01	-7.53E-01	-1.19E-03	-7.36E-01	0.00E+00	0.00E+00	-2.68E+01	-1.89E-02	-6.52E-03	-9.27E-02	0.00E+00	-1.54E-08	-2.41E-08	-2.20E-06	8.38E-03	-1.30E+01	0.00E+00	0.00E+00	-2.19E+01	-5.51E-06	-9.33E+00	0.00E+00	1.02E-08	-3.03E-07	-2.15E-02	-3.63E-09	-3.07E+00	0.00E+00	-9.33E+00	-5.39E-04	-9.33E+00	-1.13E+01	-3.07E+00	0.00E+00	0.00E+00	0.00E+00	-1.02E+03
HHT161DR	-1.57E-01	-6.79E-01	-3.08E-04	-6.77E-01	0.00E+00	0.00E+00	-1.94E+01	-1.68E-02	-3.84E-03	-8.62E-02	0.00E+00	-1.54E-08	-2.34E-08	-1.94E-06	-1.04E-03	-1.22E+01	0.00E+00	0.00E+00	-1.85E+01	-5.51E-06	-8.94E+00	0.00E+00	1.17E-08	-2.81E-07	-1.79E-02	-3.63E-09	-3.45E+00	0.00E+00	-8.94E+00	-4.88E-04	-8.94E+00	-1.09E+01	-3.45E+00	0.00E+00	0.00E+00	0.00E+00	-8.33E+02
HHT162DR	-2.21E-01	-7.95E-01	-1.61E-03	-7.88E-01	0.00E+00	0.00E+00	-4.06E+01	-2.31E-02	-8.96E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.61E-08	-2.69E-06	2.83E-03	-1.44E+01	0.00E+00	0.00E+00	-2.93E+01	-1.36E-05	-1.01E+01	0.00E+00	4.19E-09	-3.25E-07	-2.74E-02	-8.98E-09	-3.11E+00	0.00E+00	-1.01E+01	-6.69E-04	-1.01E+01	-1.29E+01	-3.11E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HHT200BR	-2.04E-01	-9.16E-01	-1.30E-02	-8.89E-01	0.00E+00	0.00E+00	-4.07E+01	-2.05E-02	-8.87E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.81E-08	-2.39E-06	-1.71E-02	-1.50E+01	0.00E+00	0.00E+00	-2.89E+01	-1.36E-05	-1.17E+01	0.00E+00	-1.80E-08	-3.23E-07	-2.72E-02	-8.98E-09	-3.61E+00	0.00E+00	-1.17E+01	-6.02E-04	-1.17E+01	-1.58E+01	-3.61E+00	0.00E+00	0.00E+00	0.00E+00	-1.20E+03
HHT200DR	-1.63E-01	-8.86E-01	-1.31E-02	-8.37E-01	0.00E+00	0.00E+00	-2.66E+01	-1.66E-02	-6.78E-03	-9.27E-02	0.00E+00	-1.54E-08	-2.65E-08	-1.94E-06	-1.36E-02	-1.35E+01	0.00E+00	0.00E+00	-2.20E+01	-5.51E-06	-1.10E+01	0.00E+00	-1.39E-08	-3.02E-07	-2.11E-02	-3.63E-09	-3.46E+00	0.00E+00	-1.10E+01	-4.76E-04	-1.10E+01	-1.43E+01	-3.46E+00	0.00E+00	0.00E+00	0.00E+00	-9.89E+02
HHT201BR	-1.82E-01	-6.85E-01	1.53E-03	-6.17E-01	0.00E+00	0.00E+00	-2.73E+01	-1.91E-02	-6.60E-03	-9.27E-02	0.00E+00	-1.54E-08	-2.39E-08	-2.23E-06	8.50E-03	-1.37E+01	0.00E+00	0.00E+00	-2.24E+01	-5.51E-06	-8.82E+00	0.00E+00	9.54E-09	-2.95E-07	-2.17E-02	-3.63E-09	-2.93E+00	0.00E+00	-8.82E+00	-5.43E-04	-8.82E+00	-1.12E+01	-2.93E+00	0.00E+00	0.00E+00	0.00E+00	-1.02E+03
HHT201DR	-1.91E-01	5.63E-01	3.77E-03	5.59E-01	0.00E+00	0.00E+00	-3.71E+01	-1.97E-02	-7.12E-03	-9.30E-02	0.00E+00	0.00E+00	-2.24E-08	-2.27E-06	3.63E-02	-1.56E+01	0.00E+00	0.00E+00	-2.93E+01	0.00E+00	2.04E+00	0.00E+00	5.96E-08	-3.00E-07	-2.69E-02	0.00E+00	-2.56E+00	0.00E+00	2.04E+00	-5.63E-04	2.04E+00	-5.18E-01	-2.56E+00	0.00E+00	0.00E+00	0.00E+00	-1.32E+03
HHT202DR	-2.23E-01	-7.35E-01	6.39E-04	-6.69E-01	0.00E+00	0.00E+00	-4.05E+01	-2.34E-02	-8.92E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.59E-08	-2.72E-06	2.32E-03	-1.51E+01	0.00E+00	0.00E+00	-2.98E+01	-1.36E-05	-9.58E+00	0.00E+00	3.70E-09	-3.20E-07	-2.74E-02	-8.98E-09	-3.03E+00	0.00E+00	-9.58E+00	-6.73E-04	-9.58E+00	-1.29E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HHT250BR	-2.04E-01	-8.62E-01	-1.64E-02	-8.31E-01	0.00E+00	0.00E+00	-4.06E+01	-2.05E-02	-8.82E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.89E-08	-2.40E-06	-2.03E-02	-1.46E+01	0.00E+00	0.00E+00	-2.87E+01	-1.36E-05	-1.09E+01	0.00E+00	-4.22E-09	-3.25E-07	-2.75E-02	-8.98E-09	-3.53E+00	0.00E+00	-1.09E+01	-6.04E-04	-1.09E+01	-1.51E+01	-3.53E+00	0.00E+00	0.00E+00	0.00E+00	-1.20E+03
HHT250DR	-1.63E-01	-8.30E-01	-1.61E-02	-7.79E-01	0.00E+00	0.00E+00	-2.63E+01	-1.66E-02	-6.70E-03	-9.27E-02	0.00E+00	-1.54E-08	-2.73E-08	-1.95E-06	-1.69E-02	-1.31E+01	0.00E+00	0.00E+00	-2.19E+01	-5.51E-06	-1.02E+01	0.00E+00	2.15E-10	-3.01E-07	-2.14E-02	-3.63E-09	-3.38E+00	0.00E+00	-1.02E+01	-4.79E-04	-1.02E+01	-1.34E+01	-3.38E+00	0.00E+00	0.00E+00	0.00E+00	-9.93E+02
HHT251BR	-1.82E-01	-6.51E-01	-1.26E-03	-5.83E-01	0.00E+00	0.00E+00	-2.69E+01	-1.92E-02	-6.60E-03	-9.27E-02	0.00E+00	-1.54E-08	-2.47E-08	-2.24E-06	6.70E-03	-1.32E+01	0.00E+00	0.00E+00	-2.23E+01	-5.51E-06	-8.34E+00	0.00E+00	2.29E-08	-2.96E-07	-2.19E-02	-3.63E-09	-2.92E+00	0.00E+00	-8.34E+00	-5.47E-04	-8.34E+00	-1.08E+01	-2.92E+00	0.00E+00	0.00E+00	0.00E+00	-1.03E+03
HHT251DR	-1.92E-01	-6.95E-01	-4.57E-03	-6.90E-01	0.00E+00	0.00E+00	-3.76E+01	-1.95E-02	-7.85E-03	-1.02E-01	0.00E+00	0.00E+00	-2.24E-08	-2.26E-06	1.86E-02	-2.49E+01	0.00E+00	0.00E+00	-3.02E+01	0.00E+00	-2.86E+00	0.00E+00	1.38E-08	-3.25E-07	-2.90E-02	0.00E+00	-4.06E+00	0.00E+00	-2.86E+00	-5.60E-04	-2.86E+00	-6.92E+00	-4.06E+00	0.00E+00	0.00E+00	0.00E+00	-1.34E+03
HHT252DR	-2.23E-01	-6.88E-01	-1.68E-03	-6.36E-01	0.00E+00	0.00E+00	-4.03E+01	-2.34E-02	-8.90E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.67E-08	-2.72E-06	8.03E-04	-1.46E+01	0.00E+00	0.00E+00	-2.97E+01	-1.36E-05	-9.10E+00	0.00E+00	1.68E-08	-3.19E-07	-2.76E-02	-8.98E-09	-3.04E+00	0.00E+00	-9.10E+00	-6.75E-04	-9.10E+00	-1.24E+01	-3.04E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HHW250DR	-5.49E-01	-2.40E+00	-2.39E-02	-2.39E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.41E-02	-3.47E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.10E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.30E+00	0.00E+00	-3.10E+01	-1.61E-03	-3.10E+01	-3.81E+01	-8.30E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HHW251DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.51E-06	-6.10E-08	-6.41E-06	5.16E-02	-4.23E+01	0.00E+00	0.00E+00	-1.04E+02	-5.58E-04	-4.07E+01	0.00E+00	-1.39E-07	-7.60E-07	-8.91E-02	-3.64E-07	-8.10E+00	0.00E+00	-4.07E+01	-1.61E-03	-4.07E+01	-4.88E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HHW320DR	-5.49E-01	-2.40E+00	-2.39E-02	-2.39E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.41E-02	-3.47E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.10E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.30E+00	0.00E+00	-3.10E+01	-1.61E-03	-3.10E+01	-3.81E+01	-8.30E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HHW321DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.54E-06	-6.10E-08	-6.41E-06	5.14E-02	-4.22E+01	0.00E+00	0.00E+00	-1.04E+02	-5.66E-04	-4.07E+01	0.00E+00	-1.38E-07	-7.60E-07	-8.91E-02	-3.70E-07	-8.10E+00	0.00E+00	-4.07E+01	-1.61E-03	-4.07E+01	-4.88E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HHW400DR	-5.51E-01	-2.53E+00	-3.91E-02	-2.47E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.39E-06	-6.81E-08	-6.47E-06	-3.76E-02	-4.50E+01	0.00E+00	0.00E+00	-1.04E+02	-5.00E-04	-3.47E+01	0.00E+00	-8.57E-08	-9.42E-07	-9.02E-02	-3.28E-07	-9.83E+00	0.00E+00	-3.47E+01	-1.62E-03	-3.47E+01	-4.43E+01	-9.83E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HHW401DR	-5.54E-01	-5.05E+00	-2.58E-02	-5.05E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-1.88E-06	-6.85E-08	-6.47E-06	3.94E-02	-6.80E+01	0.00E+00	0.00E+00	-1.04E+02	-6.73E-04	-4.86E+01	0.00E+00	-1.83E-07	-9.70E-07	-9.02E-02	-4.38E-07	-9.78E+00	0.00E+00	-4.86E+01	-1.62E-03	-4.86E+01	-6.14E+01	-9.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HMJ250DR	-5.49E-01	-2.21E+00	-2.33E-02	-2.30E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.47E-07	-6.07E-08	-6.41E-06	-2.18E-02	-3.40E+01	0.00E+00	0.00E+00	-1.04E+02	-3.47E-04	-3.02E+01	0.00E+00	-7.90E-08	-7.30E-07	-8.91E-02	-2.33E-07	-8.29E+00	0.00E+00	-3.02E+01	-1.61E-03	-3.02E+01	-3.72E+01	-8.29E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HMJ251DR	-5.52E-01	-4.40E+00	-9.88E-03	-4.68E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.50E-06	-6.11E-08	-6.41E-06	4.78E-02	-4.28E+01	0.00E+00	0.00E+00	-1.04E+02	-5.44E-04	-4.03E+01	0.00E+00	-1.40E-07	-7.52E-07	-8.91E-02	-3.58E-07	-8.13E+00	0.00E+00	-4.03E+01	-1.61E-03	-4.03E+01	-4.86E+01	-8.13E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HMJ320BR	-5.30E-01	-2.17E+00	-1.68E-02	-2.32E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.36E-02	-2.83E-01	0.00E+00	-5.05E-07	-4.70E-08	-6.24E-06	-1.66E-02	-2.64E+01	0.00E+00	0.00E+00	-9.81E+01	-1.87E-04	-2.38E+01	0.00E+00	-3.71E-08	-4.99E-07	-8.37E-02	-1.24E-07	-4.79E+00	0.00E+00	-2.38E+01	-1.54E-03	-2.38E+01	-2.94E+01	-4.79E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HMJ320DR	-5.49E-01	-2.21E+00	-2.33E-02	-2.30E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.47E-07	-6.07E-08	-6.41E-06	-2.18E-02	-3.40E+01	0.00E+00	0.00E+00	-1.04E+02	-3.47E-04	-3.02E+01	0.00E+00	-7.90E-08	-7.30E-07	-8.91E-02	-2.33E-07	-8.29E+00	0.00E+00	-3.02E+01	-1.61E-03	-3.02E+01	-3.72E+01	-8.29E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HMJ321DR	-5.52E-01	-4.40E+00	-9.88E-03	-4.68E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.52E-06	-6.11E-08	-6.41E-06	4.95E-02	-4.29E+01	0.00E+00	0.00E+00	-1.04E+02	-5.52E-04	-4.05E+01	0.00E+00	-1.39E-07	-7.60E-07	-8.91E-02	-3.64E-07	-8.13E+00	0.00E+00	-4.05E+01	-1.61E-03	-4.05E+01	-4.88E+01	-8.13E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HMJ400DR	-4.98E-01	5.68E-01	-8.45E-03	5.77E-01	0.00E+00	0.00E+00	-1.00E+02	-5.10E-02	-1.93E-02	-2.50E-01	0.00E+00	-2.20E-06	-5.87E-08	-5.91E-06	5.22E-02	-3.96E+01	0.00E+00	0.00E+00	-7.99E+01	-7.87E-04	-6.64E+00	0.00E+00	6.00E-08	-8.23E-07	-7.24E-02	-5.18E-07	-7.01E+00	0.00E+00	-6.64E+00	-1.46E-03	-6.64E+00	-1.37E+01	-7.01E+00	0.00E+00	0.00E+00	0.00E+00	-3.56E+03
HMJ401DR	-5.54E-01	-5.05E+00	-2.51E-02	-5.08E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-1.86E-06	-6.85E-08	-6.47E-06	3.64E-02	-6.85E+01	0.00E+00	0.00E+00	-1.04E+02	-6.59E-04	-4.84E+01	0.00E+00	-1.83E-07	-9.70E-07	-9.02E-02	-4.32E-07	-9.81E+00	0.00E+00	-4.84E+01	-1.62E-03	-4.84E+01	-6.14E+01	-9.81E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HMJ500BR	-5.32E-01	-3.92E+00	-3.20E-02	-4.22E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.36E-02	-2.85E-01	0.00E+00	-1.34E-06	-5.47E-08	-6.29E-06	-4.53E-02	-4.27E+01	0.00E+00	0.00E+00	-9.86E+01	-4.70E-04	-3.72E+01	0.00E+00	-1.28E-07	-7.24E-07	-8.48E-02	-3.09E-07	-7.00E+00	0.00E+00	-3.72E+01	-1.54E-03	-3.72E+01	-4.67E+01	-7.00E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HMJ630DE	-5.06E-01	1.68E-01	-1.26E-02	1.80E-01	0.00E+00	0.00E+00	-1.02E+02	-5.17E-02	-1.98E-02	-2.56E-01	0.00E+00	-2.20E-06	-5.95E-08	-5.98E-06	4.38E-02	-5.21E+01	0.00E+00	0.00E+00	-8.17E+01	-7.87E-04	-9.37E+00	0.00E+00	3.97E-08	-8.50E-07	-7.41E-02	-5.18E-07	-8.95E+00	0.00E+00	-9.37E+00	-1.48E-03	-9.37E+00	-1.83E+01	-8.95E+00	0.00E+00	0.00E+00	0.00E+00	-3.63E+03
HMS025BC	-3.73E-02	-6.01E-01	-7.14E-03	-6.47E-01	0.00E+00	0.00E+00	-1.34E+01	-4.65E-03	1.41E-03	-3.16E-02	0.00E+00	-1.54E-08	-1.22E-08	-4.59E-07	-1.03E-02	-5.32E+00	0.00E+00	0.00E+00	-1.36E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.74E-08	-1.31E-07	-1.06E-02	-3.63E-09	-1.53E+00	0.00E+00	-1.03E+01	-1.29E-04	-1.03E+01	-1.29E+01	-1.53E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
HMS025BR	-4.36E-02	-8.82E-01	-8.92E-03	-7.29E-01	0.00E+00	0.00E+00	-1.54E+01	-5.95E-03	1.34E-03	-4.02E-02	0.00E+00	-3.20E-08	-1.26E-08	-6.39E-07	1.19E-02	-6.48E+00	0.00E+00	0.00E+00	-1.39E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.11E-08	-1.25E-07	-1.20E-02	-7.52E-09	-1.41E+00	0.00E+00	-1.12E+01	-1.69E-04	-1.12E+01	-1.25E+01	-1.41E+00	0.00E+00	0.00E+00	0.00E+00	-5.80E+02
HMS025DC	-3.74E-02	-5.84E-01	-6.30E-03	-6.47E-01	0.00E+00	0.00E+00	-1.34E+01	-4.65E-03	1.41E-03	-3.16E-02	0.00E+00	-1.54E-08	-1.22E-08	-4.59E-07	-9.98E-03	-5.30E+00	0.00E+00	0.00E+00	-1.36E+01	-5.51E-06	-1.01E+01	0.00E+00	-1.82E-08	-1.31E-07	-1.06E-02	-3.63E-09	-1.54E+00	0.00E+00	-1.01E+01	-1.29E-04	-1.01E+01	-1.27E+01	-1.54E+00	0.00E+00	0.00E+00	0.00E+00	-5.82E+02
HMS025DR	-4.54E-02	-8.50E-01	-8.08E-03	-7.21E-01	0.00E+00	0.00E+00	-1.51E+01	-5.86E-03	1.43E-03	-3.99E-02	0.00E+00	-3.20E-08	-1.24E-08	-6.31E-07	1.24E-02	-6.36E+00	0.00E+00	0.00E+00	-1.35E+01	-1.14E-05	-1.04E+01	0.00E+00	-3.08E-08	-1.22E-07	-1.18E-02	-7.52E-09	-1.59E+00	0.00E+00	-1.04E+01	-1.69E-04	-1.04E+01	-1.18E+01	-1.59E+00	0.00E+00	0.00E+00	0.00E+00	-5.60E+02
HMS026BC	-8.97E-02	-7.40E-01	-1.06E-02	-7.58E-01	0.00E+00	0.00E+00	-1.97E+01	-8.97E-03	-1.98E-03	-5.28E-02	0.00E+00	-1.54E-08	-1.54E-08	-9.73E-07	-6.74E-03	-8.95E+00	0.00E+00	0.00E+00	-1.74E+01	-5.51E-06	-1.10E+01	0.00E+00	-1.72E-08	-1.82E-07	-1.51E-02	-3.63E-09	-2.54E+00	0.00E+00	-1.10E+01	-2.61E-04	-1.10E+01	-1.28E+01	-2.54E+00	0.00E+00	0.00E+00	0.00E+00	-7.88E+02
HMS026BR	-7.10E-02	-9.08E-01	-9.83E-03	-7.88E-01	0.00E+00	0.00E+00	-2.23E+01	-8.18E-03	-1.78E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.40E-08	-8.82E-07	1.04E-02	-9.31E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.12E+01	0.00E+00	-2.92E-08	-1.66E-07	-1.58E-02	-7.52E-09	-2.35E+00	0.00E+00	-1.12E+01	-2.34E-04	-1.12E+01	-1.24E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HMS026DC	-4.13E-02	-5.81E-01	-6.40E-03	-6.28E-01	0.00E+00	0.00E+00	-1.33E+01	-5.33E-03	2.35E-03	-3.44E-02	0.00E+00	-1.54E-08	-1.23E-08	-4.96E-07	-4.16E-03	-6.91E+00	0.00E+00	0.00E+00	-1.41E+01	-5.51E-06	-1.00E+01	0.00E+00	-1.33E-08	-1.39E-07	-1.13E-02	-3.63E-09	-2.24E+00	0.00E+00	-1.00E+01	-1.40E-04	-1.00E+01	-1.24E+01	-2.24E+00	0.00E+00	0.00E+00	0.00E+00	-6.12E+02
HMS026DR	-7.10E-02	-8.97E-01	-8.86E-03	-7.88E-01	0.00E+00	0.00E+00	-2.23E+01	-8.18E-03	-1.78E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.40E-08	-8.82E-07	1.08E-02	-9.34E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.00E-08	-1.66E-07	-1.58E-02	-7.52E-09	-2.37E+00	0.00E+00	-1.09E+01	-2.34E-04	-1.09E+01	-1.23E+01	-2.37E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02

HMS040BC	-3.77E-02	-5.58E-01	-6.23E-03	-6.27E-01	0.00E+00	0.00E+00	-1.32E+01	-4.50E-03	1.33E-03	-3.15E-02	0.00E+00	-1.54E-08	-1.21E-08	-4.43E-07	-1.02E-02	-5.10E+00	0.00E+00	0.00E+00	-1.35E+01	-5.51E-06	-1.01E+01	0.00E+00	-1.53E-08	-1.29E-07	-1.06E-02	-3.63E-09	-1.53E+00	0.00E+00	-1.01E+01	-1.28E-04	-1.01E+01	-1.27E+01	-1.53E+00	0.00E+00	0.00E+00	0.00E+00	-5.84E+02
HMS040BR	-4.22E-02	-8.74E-01	-7.89E-03	-7.29E-01	0.00E+00	0.00E+00	-1.52E+01	-5.79E-03	1.11E-03	-4.00E-02	0.00E+00	-3.20E-08	-1.25E-08	-6.23E-07	1.26E-02	-6.10E+00	0.00E+00	0.00E+00	-1.38E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.02E-08	-1.22E-07	-1.20E-02	-7.52E-09	-1.30E+00	0.00E+00	-1.12E+01	-1.65E-04	-1.12E+01	-1.24E+01	-1.30E+00	0.00E+00	0.00E+00	0.00E+00	-5.78E+02
HMS040DC	-3.58E-02	-5.70E-01	-5.27E-03	-6.42E-01	0.00E+00	0.00E+00	-1.32E+01	-4.47E-03	1.51E-03	-3.15E-02	0.00E+00	-1.54E-08	-1.22E-08	-4.40E-07	-9.92E-03	-5.15E+00	0.00E+00	0.00E+00	-1.35E+01	-5.51E-06	-1.01E+01	0.00E+00	-1.67E-08	-1.30E-07	-1.06E-02	-3.63E-09	-1.52E+00	0.00E+00	-1.01E+01	-1.26E-04	-1.01E+01	-1.26E+01	-1.52E+00	0.00E+00	0.00E+00	0.00E+00	-5.78E+02
HMS040DR	-4.40E-02	-8.41E-01	-7.05E-03	-7.21E-01	0.00E+00	0.00E+00	-1.49E+01	-5.70E-03	1.24E-03	-3.97E-02	0.00E+00	-3.20E-08	-1.23E-08	-6.15E-07	1.30E-02	-6.04E+00	0.00E+00	0.00E+00	-1.35E+01	-1.14E-05	-1.04E+01	0.00E+00	-2.98E-08	-1.20E-07	-1.18E-02	-7.52E-09	-1.48E+00	0.00E+00	-1.04E+01	-1.65E-04	-1.04E+01	-1.17E+01	-1.48E+00	0.00E+00	0.00E+00	0.00E+00	-5.58E+02
HMS041BC	-4.33E-02	-5.57E-01	-7.04E-03	-6.15E-01	0.00E+00	0.00E+00	-1.37E+01	-5.19E-03	1.07E-03	-3.43E-02	0.00E+00	-1.54E-08	-1.24E-08	-4.91E-07	-5.22E-03	-6.82E+00	0.00E+00	0.00E+00	-1.42E+01	-5.51E-06	-1.02E+01	0.00E+00	-1.25E-08	-1.38E-07	-1.17E-02	-3.63E-09	-2.26E+00	0.00E+00	-1.02E+01	-1.41E-04	-1.02E+01	-1.25E+01	-2.26E+00	0.00E+00	0.00E+00	0.00E+00	-6.27E+02
HMS041BR	-6.80E-02	-9.03E-01	-8.94E-03	-7.88E-01	0.00E+00	0.00E+00	-2.22E+01	-8.02E-03	-2.00E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.39E-08	-8.64E-07	1.05E-02	-9.03E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.11E+01	0.00E+00	-2.96E-08	-1.63E-07	-1.58E-02	-7.52E-09	-2.04E+00	0.00E+00	-1.11E+01	-2.30E-04	-1.11E+01	-1.23E+01	-2.04E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HMS041DC	-4.03E-02	-5.95E-01	-6.06E-03	-6.22E-01	0.00E+00	0.00E+00	-1.30E+01	-5.28E-03	3.83E-03	-3.43E-02	0.00E+00	-1.54E-08	-1.26E-08	-4.87E-07	-4.27E-03	-6.80E+00	0.00E+00	0.00E+00	-1.42E+01	-5.51E-06	-1.02E+01	0.00E+00	-1.24E-08	-1.40E-07	-1.12E-02	-3.63E-09	-1.95E+00	0.00E+00	-1.02E+01	-1.39E-04	-1.02E+01	-1.21E+01	-1.95E+00	0.00E+00	0.00E+00	0.00E+00	-6.18E+02
HMS041DR	-6.75E-02	-8.63E-01	-7.98E-03	-7.88E-01	0.00E+00	0.00E+00	-2.04E+01	-7.78E-03	-1.85E-03	-4.89E-02	0.00E+00	-3.20E-08	-1.36E-08	-8.30E-07	1.38E-02	-8.72E+00	0.00E+00	0.00E+00	-1.63E+01	-1.14E-05	-1.08E+01	0.00E+00	-2.87E-08	-1.45E-07	-1.47E-02	-7.52E-09	-2.21E+00	0.00E+00	-1.08E+01	-2.27E-04	-1.08E+01	-1.19E+01	-2.21E+00	0.00E+00	0.00E+00	0.00E+00	-7.44E+02
HMS050BC	-6.23E-02	-6.40E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.13E-02	-6.37E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.87E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HMS050BR	-4.34E-02	-8.82E-01	-8.92E-03	-7.29E-01	0.00E+00	0.00E+00	-1.54E+01	-5.92E-03	1.50E-03	-4.02E-02	0.00E+00	-3.20E-08	-1.26E-08	-6.37E-07	1.22E-02	-6.40E+00	0.00E+00	0.00E+00	-1.37E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.11E-08	-1.22E-07	-1.20E-02	-7.52E-09	-1.41E+00	0.00E+00	-1.12E+01	-1.68E-04	-1.12E+01	-1.25E+01	-1.41E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HMS051BC	-8.92E-02	-7.39E-01	-1.06E-02	-7.58E-01	0.00E+00	0.00E+00	-1.97E+01	-8.92E-03	-1.98E-03	-5.28E-02	0.00E+00	-1.54E-08	-1.54E-08	-9.73E-07	-6.57E-03	-8.97E+00	0.00E+00	0.00E+00	-1.74E+01	-5.51E-06	-1.10E+01	0.00E+00	-1.69E-08	-1.80E-07	-1.51E-02	-3.63E-09	-2.54E+00	0.00E+00	-1.10E+01	-2.59E-04	-1.10E+01	-1.28E+01	-2.54E+00	0.00E+00	0.00E+00	0.00E+00	-7.88E+02
HMS051BR	-6.88E-02	-9.05E-01	-9.66E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.14E-03	-5.51E-04	-4.94E-02	0.00E+00	-3.20E-08	-1.34E-08	-8.78E-07	1.02E-02	-9.28E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.04E-08	-1.60E-07	-1.58E-02	-7.52E-09	-2.13E+00	0.00E+00	-1.12E+01	-2.30E-04	-1.12E+01	-1.23E+01	-2.13E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HMS063BC	-6.37E-02	-6.40E-01	-9.14E-03	-6.81E-01	0.00E+00	0.00E+00	-1.87E+01	-6.82E-03	-7.70E-04	-4.17E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.34E-07	-1.19E-02	-6.50E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.97E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.05E+01	-1.95E-04	-1.05E+01	-1.26E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HMS063BR	-6.39E-02	-8.89E-01	-1.04E-02	-7.66E-01	0.00E+00	0.00E+00	-2.05E+01	-7.47E-03	-6.03E-04	-4.75E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.50E-07	8.38E-03	-7.42E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.23E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.50E+00	0.00E+00	-1.11E+01	-2.14E-04	-1.11E+01	-1.22E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HMS063DC	-6.13E-02	-6.23E-01	-8.04E-03	-6.81E-01	0.00E+00	0.00E+00	-1.84E+01	-6.69E-03	-7.70E-04	-4.08E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.19E-07	-1.10E-02	-6.48E+00	0.00E+00	0.00E+00	-1.60E+01	-5.51E-06	-1.03E+01	0.00E+00	-2.05E-08	-1.44E-07	-1.34E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.91E-04	-1.03E+01	-1.25E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.33E+02
HMS063DR	-4.78E-02	-8.47E-01	-8.73E-03	-7.21E-01	0.00E+00	0.00E+00	-1.52E+01	-6.02E-03	1.24E-03	-4.04E-02	0.00E+00	-3.20E-08	-1.24E-08	-6.63E-07	1.07E-02	-6.51E+00	0.00E+00	0.00E+00	-1.35E+01	-1.14E-05	-1.04E+01	0.00E+00	-3.23E-08	-1.23E-07	-1.18E-02	-7.52E-09	-1.68E+00	0.00E+00	-1.04E+01	-1.73E-04	-1.04E+01	-1.18E+01	-1.68E+00	0.00E+00	0.00E+00	0.00E+00	-5.68E+02
HMS064BC	-1.21E-01	-8.18E-01	-1.47E-02	-8.31E-01	0.00E+00	0.00E+00	-2.12E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.99E-03	-9.97E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.94E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.76E+00	0.00E+00	-1.15E+01	-3.53E-04	-1.15E+01	-1.34E+01	-2.76E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HMS064BR	-7.26E-02	-8.98E-01	-1.03E-02	-7.68E-01	0.00E+00	0.00E+00	-2.24E+01	-8.32E-03	-5.51E-04	-4.96E-02	0.00E+00	-3.20E-08	-1.34E-08	-9.04E-07	8.56E-03	-9.40E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.04E-08	-1.61E-07	-1.58E-02	-7.52E-09	-2.37E+00	0.00E+00	-1.12E+01	-2.35E-04	-1.12E+01	-1.23E+01	-2.37E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HMS064DC	-1.22E-01	-8.02E-01	-1.41E-02	-8.23E-01	0.00E+00	0.00E+00	-2.12E+01	-1.21E-02	-4.39E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.41E-06	-6.49E-03	-1.03E+01	0.00E+00	0.00E+00	-1.77E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.92E-08	-2.32E-07	-1.64E-02	-3.63E-09	-2.81E+00	0.00E+00	-1.11E+01	-3.53E-04	-1.11E+01	-1.32E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HMS064DR	-7.04E-02	-8.61E-01	-9.29E-03	-7.68E-01	0.00E+00	0.00E+00	-2.07E+01	-8.06E-03	-1.62E-03	-4.96E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.72E-07	1.15E-02	-9.07E+00	0.00E+00	0.00E+00	-1.64E+01	-1.14E-05	-1.08E+01	0.00E+00	-3.02E-08	-1.49E-07	-1.51E-02	-7.52E-09	-2.34E+00	0.00E+00	-1.08E+01	-2.32E-04	-1.08E+01	-1.19E+01	-2.34E+00	0.00E+00	0.00E+00	0.00E+00	-7.53E+02
HMS080BC	-5.99E-02	-6.41E-01	-8.43E-03	-6.76E-01	0.00E+00	0.00E+00	-1.84E+01	-6.58E-03	-6.96E-04	-4.05E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.04E-07	-1.09E-02	-6.42E+00	0.00E+00	0.00E+00	-1.60E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.92E-08	-1.43E-07	-1.34E-02	-3.63E-09	-1.49E+00	0.00E+00	-1.05E+01	-1.89E-04	-1.05E+01	-1.26E+01	-1.49E+00	0.00E+00	0.00E+00	0.00E+00	-7.33E+02
HMS080BR	-6.30E-02	-8.90E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.40E-03	-5.75E-04	-4.72E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.42E-07	9.71E-03	-7.34E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.14E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.47E+00	0.00E+00	-1.11E+01	-2.13E-04	-1.11E+01	-1.21E+01	-1.47E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HMS080DC	-5.99E-02	-6.25E-01	-7.46E-03	-6.76E-01	0.00E+00	0.00E+00	-1.84E+01	-6.58E-03	-6.96E-04	-4.05E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.04E-07	-1.06E-02	-6.40E+00	0.00E+00	0.00E+00	-1.60E+01	-5.51E-06	-1.03E+01	0.00E+00	-2.00E-08	-1.43E-07	-1.34E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.03E+01	-1.89E-04	-1.03E+01	-1.24E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.33E+02
HMS080DR	-4.50E-02	-8.66E-01	-8.08E-03	-7.29E-01	0.00E+00	0.00E+00	-1.54E+01	-6.02E-03	1.22E-03	-4.04E-02	0.00E+00	-3.20E-08	-1.24E-08	-6.58E-07	1.20E-02	-6.45E+00	0.00E+00	0.00E+00	-1.37E+01	-1.14E-05	-1.07E+01	0.00E+00	-3.25E-08	-1.23E-07	-1.20E-02	-7.52E-09	-1.46E+00	0.00E+00	-1.07E+01	-1.71E-04	-1.07E+01	-1.22E+01	-1.46E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HMS081BC	-1.21E-01	-8.20E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.64E-03	-9.91E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.88E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HMS081BR	-6.97E-02	-9.03E-01	-9.66E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.20E-03	-5.51E-04	-4.96E-02	0.00E+00	-3.20E-08	-1.34E-08	-8.88E-07	9.41E-03	-9.32E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.08E-08	-1.61E-07	-1.58E-02	-7.52E-09	-2.14E+00	0.00E+00	-1.12E+01	-2.32E-04	-1.12E+01	-1.23E+01	-2.14E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HMS081DC	-8.97E-02	-7.24E-01	-9.59E-03	-7.50E-01	0.00E+00	0.00E+00	-1.94E+01	-8.99E-03	-1.98E-03	-5.28E-02	0.00E+00	-1.54E-08	-1.54E-08	-9.76E-07	-5.91E-03	-9.17E+00	0.00E+00	0.00E+00	-1.73E+01	-5.51E-06	-1.06E+01	0.00E+00	-1.72E-08	-1.82E-07	-1.49E-02	-3.63E-09	-2.57E+00	0.00E+00	-1.06E+01	-2.61E-04	-1.06E+01	-1.26E+01	-2.57E+00	0.00E+00	0.00E+00	0.00E+00	-7.75E+02
HMS081DR	-6.96E-02	-8.61E-01	-8.69E-03	-7.68E-01	0.00E+00	0.00E+00	-2.06E+01	-8.01E-03	-1.62E-03	-4.96E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.65E-07	1.27E-02	-9.02E+00	0.00E+00	0.00E+00	-1.64E+01	-1.14E-05	-1.08E+01	0.00E+00	-2.93E-08	-1.49E-07	-1.51E-02	-7.52E-09	-2.31E+00	0.00E+00	-1.08E+01	-2.31E-04	-1.08E+01	-1.19E+01	-2.31E+00	0.00E+00	0.00E+00	0.00E+00	-7.53E+02
HMS100BC	-6.23E-02	-6.41E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.14E-02	-6.38E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.87E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HMS100BR	-6.22E-02	-8.92E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.35E-03	-5.95E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.34E-07	1.03E-02	-7.30E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.07E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.46E+00	0.00E+00	-1.11E+01	-2.12E-04	-1.11E+01	-1.21E+01	-1.46E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HMS100DC	-6.23E-02	-6.24E-01	-7.59E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.13E-02	-6.36E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.95E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.92E-04	-1.03E+01	-1.24E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.43E+02
HMS100DR	-4.56E-02	-8.72E-01	-8.08E-03	-7.29E-01	0.00E+00	0.00E+00	-1.54E+01	-5.95E-03	1.50E-03	-4.02E-02	0.00E+00	-3.20E-08	-1.26E-08	-6.44E-07	1.26E-02	-6.39E+00	0.00E+00	0.00E+00	-1.38E+01	-1.14E-05	-1.10E+01	0.00E+00	-3.19E-08	-1.24E-07	-1.20E-02	-7.52E-09	-1.62E+00	0.00E+00	-1.10E+01	-1.69E-04	-1.10E+01	-1.23E+01	-1.62E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HMS101BC	-6.41E-02	-6.13E-01	-8.40E-03	-6.53E-01	0.00E+00	0.00E+00	-1.90E+01	-7.17E-03	1.66E-04	-4.39E-02	0.00E+00	-1.54E-08	-1.30E-08	-7.25E-07	-5.90E-03	-7.91E+00	0.00E+00	0.00E+00	-1.67E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.47E-08	-1.51E-07	-1.43E-02	-3.63E-09	-1.98E+00	0.00E+00	-1.05E+01	-1.99E-04	-1.05E+01	-1.23E+01	-1.98E+00	0.00E+00	0.00E+00	0.00E+00	-7.66E+02
HMS101BR	-6.89E-02	-9.05E-01	-9.66E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.16E-03	-5.51E-04	-4.94E-02	0.00E+00	-3.20E-08	-1.34E-08	-8.80E-07	9.98E-03	-9.28E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.04E-08	-1.61E-07	-1.58E-02	-7.52E-09	-2.13E+00	0.00E+00	-1.12E+01	-2.31E-04	-1.12E+01	-1.23E+01	-2.13E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HMS101DC	-1.21E-01	-8.27E-01	-1.37E-02	-8.18E-01	0.00E+00	0.00E+00	-2.12E+01	-1.21E-02	-4.39E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.13E-08	-1.41E-06	-6.30E-03	-1.06E+01	0.00E+00	0.00E+00	-1.77E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.78E-08	-2.33E-07	-1.64E-02	-3.63E-09	-2.81E+00	0.00E+00	-1.11E+01	-3.52E-04	-1.11E+01	-1.35E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HMS101DR	-6.89E-02	-8.63E-01	-8.69E-03	-7.68E-01	0.00E+00	0.00E+00	-2.06E+01	-7.92E-03	-1.62E-03	-4.89E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.51E-07	1.33E-02	-8.97E+00	0.00E+00	0.00E+00	-1.64E+01	-1.14E-05	-1.08E+01	0.00E+00	-2.89E-08	-1.49E-07	-1.51E-02	-7.52E-09	-2.30E+00	0.00E+00	-1.08E+01	-2.30E-04	-1.08E+01	-1.19E+01	-2.30E+00	0.00E+00	0.00E+00	0.00E+00	-7.53E+02
HMS102DC	-1.21E-01	-8.02E-01	-1.37E-02	-8.18E-01	0.00E+00	0.00E+00	-2.09E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-5.69E-03	-1.02E+01	0.00E+00	0.00E+00	-1.77E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.82E-08	-2.32E-07	-1.64E-02	-3.63E-09	-2.79E+00	0.00E+00	-1.11E+01	-3.52E-04	-1.11E+01	-1.32E+01	-2.79E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HMS125BC	-6.46E-02	-6.56E-01	-8.48E-03	-6.94E-01	0.00E+00	0.00E+00	-1.92E+01	-6.89E-03	-8.58E-04	-4.31E-02	0.00E+00	-1.54E-08	-1.39E-08	-7.42E-07	-1.00E-02	-6.30E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.07E+01	0.00E+00	-1.96E-08	-1.69E-07	-1.41E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.07E+01	-1.97E-04	-1.07E+01	-1.29E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.58E+02
HMS125BR	-6.37E-02	-8.99E-01	-9.24E-03	-7.83E-01	0.00E+00	0.00E+00	-2.09E+01	-7.51E-03	-9.25E-04	-4.82E-02	0.00E+00	-3.20E-08	-1.43E-08	-8.58E-07	1.20E-02	-7.05E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.14E+01	0.00E+00	-3.27E-08	-1.60E-07	-1.47E-02	-7.52E-09	-1.45E+00	0.00E+00	-1.14E+01	-2.15E-04	-1.14E+01	-1.24E+01	-1.45E+00	0.00E+00	0.00E+00	0.00E+00	-7.29E+02
HMS125DC	-6.46E-02	-6.40E-01	-7.51E-03	-6.94E-01	0.00E+00	0.00E+00	-1.92E+01	-6.89E-03	-8.58E-04	-4.31E-02	0.00E+00	-1.54E-08	-1.39E-08	-7.42E-07	-9.92E-03	-6.86E+00	0.00E+00	0.00E+00	-1.60E+01	-5.51E-06	-1.05E+01	0.00E+00	-2.04E-08	-1.69E-07	-1.41E-02	-3.63E-09	-1.52E+00	0.00E+00	-1.05E+01	-1.97E-04	-1.05E+01	-1.28E+01	-1.52E+00	0.00E+00	0.00E+00	0.00E+00	-7.51E+02
HMS125DR	-4.66E-02	-8.57E-01	-7.41E-03	-7.38E-01	0.00E+00	0.00E+00	-1.55E+01	-5.96E-03	1.02E-03	-4.09E-02	0.00E+00	-3.20E-08	-1.36E-08	-6.57E-07	1.44E-02	-6.10E+00	0.00E+00	0.00E+00	-1.34E+01	-1.14E-05	-1.06E+01	0.00E+00	-3.25E-08	-1.41E-07	-1.21E-02	-7.52E-09	-1.61E+00	0.00E+00	-1.06E+01	-1.69E-04	-1.06E+01	-1.21E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-5.78E+02
HMS126BC	-1.23E-01	-8.35E-01	-1.44E-02	-8.41E-01	0.00E+00	0.00E+00	-2.16E+01	-1.25E-02	-4.59E-03	-7.12E-02	0.00E+00	-1.54E-08	-2.21E-08	-1.44E-06	-5.24E-03	-9.97E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.17E+01	0.00E+00	-1.90E-08	-2.52E-07	-1.70E-02	-3.63E-09	-2.81E+00	0.00E+00	-1.17E+01	-3.64E-04	-1.17E+01	-1.37E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-8.35E+02
HMS126BR	-7.21E-02	-9.12E-01	-9.12E-03	-7.85E-01	0.00E+00	0.00E+00	-2.28E+01	-8.81E-03	-8.52E-04	-5.17E-02	0.00E+00	-3.20E-08	-1.46E-08	-9.52E-07	1.18E-02	-9.18E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.14E+01	0.00E+00	-3.23E-08	-1.85E-07	-1.62E-02	-7.52E-09	-2.18E+00	0.00E+00	-1.14E+01	-2.41E-04	-1.14E+01	-1.25E+01	-2.18E+00	0.00E+00	0.00E+00	0.00E+00	-7.88E+02
HMS126DC	-1.23E-01	-8.44E-01	-1.37E-02	-8.32E-01	0.00E+00	0.00E+00	-2.16E+01	-1.25E-02	-4.63E-03	-7.12E-02	0.00E+00	-1.54E-08	-2.23E-08	-1.45E-06	-5.03E-03	-1.07E+01	0.00E+00	0.00E+00	-1.76E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.85E-08	-2.52E-07	-1.68E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.13E+01	-3.64E-04	-1.13E+01	-1.39E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.22E+02
HMS126DR	-7.16E-02	-8.71E-01	-8.16E-03	-7.85E-01	0.00E+00	0.00E+00	-2.10E+01	-8.60E-03	-1.92E-03	-5.13E-02	0.00E+00	-3.20E-08	-1.49E-08	-9.17E-07	1.52E-02	-8.88E+00	0.00E+00	0.00E+00	-1.63E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.08E-08	-1.69E-07	-1.51E-02	-7.52E-09	-2.35E+00	0.00E+00	-1.11E+01	-2.40E-04	-1.11E+01	-1.21E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	-7.56E+02
HMS127DC	-1.23E-01	-8.19E-01	-1.37E-02	-8.32E-01	0.00E+00	0.00E+00	-2.13E+01	-1.25E-02	-4.59E-03	-7.12E-02	0.00E+00	-1.54E-08	-2.21E-08	-1.44E-06	-4.42E-03	-1.03E+01	0.00E+00	0.00E+00	-1.76E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.88E-08	-2.52E-07	-1.68E-02	-3.63E-09	-2.85E+00	0.00E+00	-1.13E+01	-3.64E-04	-1.13E+01	-1.36E+01	-2.85E+00	0.00E+00	0.00E+00	0.00E+00	-8.22E+02
HMS160BC	-7.27E-02	-6.40E-01	-1.02E-02	-5.71E-01	0.00E+00	0.00E+00	-2.00E+01	-7.49E-03	-1.29E-03	-4.56E-02	0.00E+00	-1.54E-08	-1.43E-08	-8.56E-07	-1.54E-02	-6.75E+00	0.00E+00	0.00E+00	-1.67E+01	-5.51E-06	-1.01E+01	0.00E+00	-2.15E-08	-1.72E-07	-1.44E-02	-3.63E-09	-1.61E+00	0.00E+00	-1.01E+01	-2.14E-04	-1.01E+01	-1.23E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-7.62E+02
HMS160BR	-5.76E-02	-8.76E-01	-9.23E-03	-6.82E-01	0.00E+00	0.00E+00	-1.73E+01	-7.14E-03	3.69E-04	-4.37E-02	0.00E+00	-3.20E-08	-1.41E-08	-8.13E-07	1.09E-02	-6.67E+00	0.00E+00	0.00E+00	-1.48E+01	-1.14E-05	-1.10E+01	0.00E+00	-3.40E-08	-1.51E-07	-1.28E-02	-7.52E-09	-1.57E+00	0.00E+00	-1.10E+01	-2.00E-04	-1.10E+01	-1.26E+01	-1.57E+00	0.00E+00	0.00E+00	0.00E+00	-6.17E+02
HMS160DC	-8.77E-02	-6.21E-01	-1.73E-02	-6.04E-01	0.00E+00	0.00E+00	-2.21E+01	-8.79E-03	-3.89E-03	-4.96E-02	0.00E+00	0.00E+00	-1.67E-08	-1.02E-06	-1.46E-02	-8.04E+00	0.00E+00	0.00E+00	-1.92E+01	0.00E+00	-1.07E+01	0.00E+00	-3.72E-08	-2.04E-07	-1.58E-02	0.00E+00	-1.91E+00	0.00E+00	-1.07E+01	-2.59E-04	-1.07E+01	-1.26E+01	-1.91E+00	0.00E+00	0.00E+00	0.00E+00	-8.23E+02
HMS160DR	-5.96E-02	-8.55E-01	-9.23E-03	-6.75E-01	0.00E+00	0.00E+00	-1.70E+01	-7.06E-03	2.83E-04	-4.36E-02	0.00E+00	-3.20E-08	-1.39E-08	-8.06E-07	1.08E-02	-6.65E+00	0.00E+00	0.00E+00	-1.45E+01	-1.14E-05	-1.04E+01	0.00E+00	-3.25E-08	-1.50E-07	-1.27E-02	-7.52E-09	-1.69E+00	0.00E+00	-1.04E+01	-1.99E-04	-1.04E+01	-1.20E+01	-1.69E+00	0.00E+00	0.00E+00	0.00E+00	-5.97E+02
HMS161BC	-1.28E-01	-8.04E-01	-1.56E-02	-7.12E-01	0.00E+00	0.00E+00	-2.25E+01	-1.28E-02	-4.86E-03	-7.33E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-06	-9.10E-03	-1.02E+01	0.00E+00	0.00E+00	-1.83E+01	-5.51E-06	-1.10E+01	0.00E+00	-2.01E-08	-2.45E-07	-1.72E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.10E+01	-3.73E-04	-1.10E+01	-1.30E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.39E+02
HMS161BR	-8.18E-02	-8.93E-01	-1.01E-02	-7.14E-01	0.00E+00	0.00E+00	-2.37E+01	-9.70E-03	-1.41E-03	-5.41E-02	0.00E+00	-3.20E-08	-1.49E-08	-1.07E-06	9.12E-03	-9.63E+00	0.00E+00	0.00E+00	-1.81E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.27E-08	-1.91E-07	-1.65E-02	-7.52E-09	-2.35E+00	0.00E+00	-1.09E+01	-2.63E-04	-1.09E+01	-1.24E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	-7.96E+02
HMS161DC	-1.28E-01	-8.04E-01	-1.56E-02	-7.04E-01	0.00E+00	0.00E+00	-2.21E+01	-1.28E-02	-4.86E-03	-7.33E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-06	-8.36E-03	-1.02E+01	0.00E+00	0.00E+00	-1.81E+01	-5.51E-06	-1.09E+01	0.00E+00	-1.82E-08	-2.45E-07	-1.69E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.09E+01	-3.73E-04	-1.09E+01	-1.29E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.26E+02
HMS161DR	-7.95E-02	-8.62E-01	-9.61E-03	-7.14E-01	0.00E+00	0.00E+00	-2.20E+01	-9.49E-03	-2.98E-04	-5.37E-02	0.00E+00	-3.20E-08	-1.45E-08	-1.02E-06	1.20E-02	-9.30E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.06E-08	-1.73E-07	-1.55E-02	-7.52E-09	-2.45E+00	0.00E+00	-1.09E+01	-2.59E-04	-1.09E+01	-1.20E+01	-2.45E+00	0.00E+00	0.00E+00	0.00E+00	-7.70E+02
HMS162DC	-1.28E-01	-8.04E-01	-1.56E-02	-7.04E-01	0.00E+00	0.00E+00	-2.21E+01	-1.28E-02	-4.86E-03	-7.33E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-06	-8.36E-03	-1.02E+01	0.00E+00	0.00E+00	-1.81E+01	-5.51E-06	-1.09E+01	0.00E+00	-1.82E-08	-2.45E-07	-1.69E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.09E+01	-3.73E-04	-1.09E+01	-1.29E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.26E+02
HMT050DR	-1.95E-01	-9.57E-01	-1.56E-02	-9.79E-01	0.00E+00	0.00E+00	-4.03E+01	-1.92E-02	-8.61E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.71E-08	-2.23E-06	-1.82E-02	-1.43E+01	0.00E+00	0.00E+00	-2.84E+01	-1.36E-05	-1.20E+01	0.00E+00	-1.71E-08	-3.01E-07	-2.69E-02	-8.98E-09	-3.68E+00	0.00E+00	-1.20E+01	-5.67E-04	-1.20E+01	-1.59E+01	-3.68E+00	0.00E+00	0.00E+00	0.00E+00	-1.20E+03
HMT051DR	-2.18E-01	-1.25E+00	-1.12E-02	-9.97E-01	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.40E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.84E-08	-2.48E-06	2.76E-03	-1.80E+01	0.00E+00	0.00E+00	-3.14E+01	-2.85E-05	-1.46E+01	0.00E+00	-2.57E-08	-2.93E-07	-2.89E-02	-1.87E-08	-2.74E+00	0.00E+00	-1.46E+01	-6.61E-04	-1.46E+01	-1.65E+01	-2.74E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HMT063DR	-1.95E-01	-9.57E-01	-1.56E-02	-9.79E-01	0.00E+00	0.00E+00	-4.03E+01	-1.92E-02	-8.61E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.71E-08	-2.23E-06	-1.82E-02	-1.43E+01	0.00E+00	0.00E+00	-2.84E+01	-1.36E-05	-1.20E+01	0.00E+00	-1.71E-08	-3.01E-07	-2.69E-02	-8.98E-09	-3.68E+00	0.00E+00	-1.20E+01	-5.67E-04	-1.20E+01	-1.59E+01	-3.68E+00	0.00E+00	0.00E+00	0.00E+00	-1.20E+03
HMT064DR	-2.16E-01	-7.93E-01	-1.59E-03	-7.88E-01	0.00E+00	0.00E+00	-4.02E+01	-2.22E-02	-8.67E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.52E-06	2.17E-03	-1.44E+01	0.00E+00	0.00E+00	-2.91E+01	-1.36E-05	-9.94E+00	0.00E+00	2.51E-09	-2.97E-07	-2.71E-02	-8.98E-09	-3.16E+00	0.00E+00	-9.94E+00	-6.28E-04	-9.94E+00	-1.28E+01	-3.16E+00	0.00E+00	0.00E+00	0.00E+00	-1.25E+03
HMT100BR	-2.11E-01	-1.28E+00	-1.60E-02	-1.09E+00	0.00E+00	0.00E+00	-4.81E+01	-2.12E-02	-9.01E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.79E-08	-2.33E-06	1.27E-02	-1.76E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.45E+01	0.00E+00	-3.46E-08	-2.94E-07	-2.81E-02	-1.87E-08	-2.88E+00	0.00E+00	-1.45E+01	-6.27E-04	-1.45E+01	-1.65E+01	-2.88E+00	0.00E+00	0.00E+00	0.00E+00	-1.31E+03
HMT100DR	-1.63E-01	-1.23E+00	-1.58E-02	-1.06E+00	0.00E+00	0.00E+00	-3.14E+01	-1.68E-02	-6.61E-03	-9.78E-02	0.00E+00	-5.69E-08	-2.57E-08	-1.81E-06	1.88E-02	-1.57E+01	0.00E+00	0.00E+00	-2.22E+01	-2.03E-05	-1.38E+01	0.00E+00	-2.92E-08	-2.57E-07	-2.10E-02	-1.34E-08	-2.63E+00	0.00E+00	-1.38E+01	-4.91E-04	-1.38E+01	-1.47E+01	-2.63E+00	0.00E+00	0.00E+00	0.00E+00	-1.08E+03
HMT101BR	-2.18E-01	-1.44E+00	-1.12E-02	-1.44E+00	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.40E-03	-1.19E-01	0.00E+00	-1.34E-07	-2.84E-08	-2.48E-06	2.75E-03	-1.83E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.55E+01	0.00E+00	-2.87E-08	-2.93E-07	-2.89E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.55E+01	-6.61E-04	-1.55E+01	-1.73E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HMT101DR	-2.16E-01	-7.90E-01	-1.57E-03	-7.88E-01	0.00E+00	0.00E+00	-4.02E+01	-2.22E-02	-8.67E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.52E-06	2.60E-03	-1.43E+01	0.00E+00	0.00E+00	-2.91E+01	-1.36E-05	-9.95E+00	0.00E+00	3.52E-09	-2.96E-07	-2.71E-02	-8.98E-09	-3.16E+00	0.00E+00	-9.95E+00	-6.28E-04	-9.95E+00	-1.28E+01	-3.16E+00	0.00E+00	0.00E+00	0.00E+00	-1.25E+03
HMT102DR	-2.13E-01	-8.27E-01	-1.66E-03	-7.88E-01	0.00E+00	0.00E+00	-4.09E+01	-2.21E-02	-8.64E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.50E-08	-2.55E-06	1.58E-03	-1.46E+01	0.00E+00	0.00E+00	-2.98E+01	-1.36E-05	-1.01E+01	0.00E+00	1.25E-09	-2.96E-07	-2.74E-02	-8.98E-09	-3.03E+00	0.00E+00	-1.01E+01	-6.33E-04	-1.01E+01	-1.28E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HMT125BR	-2.11E-01	-1.28E+00	-1.57E-02	-1.09E+00	0.00E+00	0.00E+00	-4.80E+01	-2.12E-02	-9.17E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.79E-08	-2.33E-06	1.31E-02	-1.74E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.45E+01	0.00E+00	-3.35E-08	-2.94E-07	-2.81E-02	-1.87E-08	-2.81E+00	0.00E+00	-1.45E+01	-6.27E-04	-1.45E+01	-1.65E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-1.31E+03
HMT125DR	-1.63E-01	-1.22E+00	-1.51E-02	-1.04E+00	0.00E+00	0.00E+00	-3.11E+01	-1.68E-02	-6.77E-03	-9.78E-02	0.00E+00	-5.69E-08	-2.56E-08	-1.81E-06	1.97E-02	-1.55E+01	0.00E+00	0.00E+00	-2.23E+01	-2.03E-05	-1.38E+01	0.00E+00	-2.81E-08	-2.56E-07	-2.08E-02	-1.34E-08	-2.67E+00	0.00E+00	-1.38E+01	-4.90E-04	-1.38E+01	-1.46E+01	-2.67E+00	0.00E+00	0.00E+00	0.00E+00	-1.06E+03
HMT126BR	-2.18E-01	-1.25E+00	-1.11E-02	-9.97E-01	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.54E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.84E-08	-2.48E-06	3.63E-03	-1.78E+01	0.00E+00	0.00E+00	-3.14E+01	-2.85E-05	-1.47E+01	0.00E+00	-2.32E-08	-2.93E-07	-2.89E-02	-1.87E-08	-2.65E+00	0.00E+00	-1.47E+01	-6.61E-04	-1.47E+01	-1.65E+01	-2.65E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HMT126DR	-2.16E-01	-7.65E-01	-1.16E-03	-7.49E-01	0.00E+00	0.00E+00	-4.01E+01	-2.22E-02	-8.95E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.47E-08	-2.51E-06	2.74E-03	-1.44E+01	0.00E+00	0.00E+00	-2.92E+01	-1.36E-05	-9.91E+00	0.00E+00	5.98E-09	-2.96E-07	-2.71E-02	-8.98E-09	-3.20E+00	0.00E+00	-9.91E+00	-6.27E-04	-9.91E+00	-1.28E+01	-3.20E+00	0.00E+00	0.00E+00	0.00E+00	-1.24E+03
HMT127DR	-2.13E-01	-8.02E-01	-1.25E-03	-7.49E-01	0.00E+00	0.00E+00	-4.08E+01	-2.21E-02	-8.78E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.49E-08	-2.54E-06	1.72E-03	-1.46E+01	0.00E+00	0.00E+00	-3.00E+01	-1.36E-05	-1.01E+01	0.00E+00	3.71E-09	-2.96E-07	-2.73E-02	-8.98E-09	-3.08E+00	0.00E+00	-1.01E+01	-6.32E-04	-1.01E+01	-1.28E+01	-3.08E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HMT160BR	-2.18E-01	-1.29E+00	-1.59E-02	-1.09E+00	0.00E+00	0.00E+00	-4.85E+01	-2.20E-02	-9.34E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.93E-08	-2.47E-06	1.48E-02	-1.76E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.47E+01	0.00E+00	-3.41E-08	-3.22E-07	-2.84E-02	-1.87E-08	-2.87E+00	0.00E+00	-1.47E+01	-6.56E-04	-1.47E+01	-1.66E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-1.32E+03
HMT160DR	-2.03E-01	-9.66E-01	-1.55E-02	-9.79E-01	0.00E+00	0.00E+00	-4.08E+01	-2.02E-02	-8.93E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.84E-08	-2.36E-06	-1.66E-02	-1.44E+01	0.00E+00	0.00E+00	-2.84E+01	-1.36E-05	-1.22E+01	0.00E+00	-1.46E-08	-3.31E-07	-2.72E-02	-8.98E-09	-3.76E+00	0.00E+00	-1.22E+01	-6.00E-04	-1.22E+01	-1.61E+01	-3.76E+00	0.00E+00	0.00E+00	0.00E+00	-1.20E+03
HMT161BR	-2.26E-01	-1.45E+00	-1.13E-02	-1.44E+00	0.00E+00	0.00E+00	-4.92E+01	-2.34E-02	-9.72E-03	-1.22E-01	0.00E+00	-1.34E-07	-2.98E-08	-2.61E-06	4.71E-03	-1.82E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.57E+01	0.00E+00	-2.81E-08	-3.21E-07	-2.91E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.57E+01	-6.90E-04	-1.57E+01	-1.74E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HMT161DR	-2.25E-01	-7.91E-01	-1.52E-03	-7.88E-01	0.00E+00	0.00E+00	-4.13E+01	-2.33E-02	-9.12E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.59E-08	-2.66E-06	4.49E-03	-1.45E+01	0.00E+00	0.00E+00	-2.96E+01	-1.36E-05	-1.01E+01	0.00E+00	5.43E-09	-3.26E-07	-2.76E-02	-8.98E-09	-3.24E+00	0.00E+00	-1.01E+01	-6.64E-04	-1.01E+01	-1.29E+01	-3.24E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HMT162DR	-2.21E-01	-8.28E-01	-1.61E-03	-7.88E-01	0.00E+00	0.00E+00	-4.13E+01	-2.31E-02	-8.96E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.61E-08	-2.69E-06	3.48E-03	-1.47E+01	0.00E+00	0.00E+00	-2.98E+01	-1.36E-05	-1.02E+01	0.00E+00	3.16E-09	-3.25E-07	-2.76E-02	-8.98E-09	-3.11E+00	0.00E+00	-1.02E+01	-6.69E-04	-1.02E+01	-1.29E+01	-3.11E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HMT200BR	-2.20E-01	-1.24E+00	-1.28E-02	-1.04E+00	0.00E+00	0.00E+00	-4.86E+01	-2.23E-02	-9.37E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.90E-08	-2.49E-06	1.51E-02	-1.82E+01	0.00E+00	0.00E+00	-3.07E+01	-2.85E-05	-1.42E+01	0.00E+00	-3.80E-08	-3.13E-07	-2.85E-02	-1.87E-08	-2.90E+00	0.00E+00	-1.42E+01	-6.59E-04	-1.42E+01	-1.66E+01	-2.90E+00	0.00E+00	0.00E+00	0.00E+00	-1.32E+03
HMT200DR	-1.76E-01	-1.20E+00	-1.27E-02	-1.01E+00	0.00E+00	0.00E+00	-3.20E+01	-1.81E-02	-7.08E-03	-1.00E-01	0.00E+00	-5.69E-08	-2.69E-08	-2.01E-06	2.17E-02	-1.63E+01	0.00E+00	0.00E+00	-2.27E+01	-2.03E-05	-1.35E+01	0.00E+00	-3.29E-08	-2.78E-07	-2.14E-02	-1.34E-08	-2.68E+00	0.00E+00	-1.35E+01	-5.28E-04	-1.35E+01	-1.49E+01	-2.68E+00	0.00E+00	0.00E+00	0.00E+00	-1.09E+03
HMT201BR	-2.27E-01	-1.19E+00	-8.04E-03	-9.12E-01	0.00E+00	0.00E+00	-4.95E+01	-2.37E-02	-9.75E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.96E-08	-2.63E-06	5.01E-03	-1.87E+01	0.00E+00	0.00E+00	-3.20E+01	-2.85E-05	-1.44E+01	0.00E+00	-2.60E-08	-3.11E-07	-2.94E-02	-1.87E-08	-2.74E+00	0.00E+00	-1.44E+01	-6.93E-04	-1.44E+01	-1.66E+01	-2.74E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HMT201DR	-2.26E-01	-7.31E-01	7.27E-04	-6.69E-01	0.00E+00	0.00E+00	-4.05E+01	-2.35E-02	-8.95E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.57E-08	-2.68E-06	4.01E-03	-1.52E+01	0.00E+00	0.00E+00	-2.96E+01	-1.36E-05	-9.58E+00	0.00E+00	4.94E-09	-3.21E-07	-2.74E-02	-8.98E-09	-3.10E+00	0.00E+00	-9.58E+00	-6.67E-04	-9.58E+00	-1.29E+01	-3.10E+00	0.00E+00	0.00E+00	0.00E+00	-1.24E+03
HMT202DR	-2.23E-01	-7.68E-01	6.39E-04	-6.69E-01	0.00E+00	0.00E+00	-4.16E+01	-2.34E-02	-8.92E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.59E-08	-2.72E-06	2.96E-03	-1.54E+01	0.00E+00	0.00E+00	-3.03E+01	-1.36E-05	-9.74E+00	0.00E+00	2.67E-09	-3.20E-07	-2.79E-02	-8.98E-09	-3.03E+00	0.00E+00	-9.74E+00	-6.73E-04	-9.74E+00	-1.29E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HMT250BR	-2.20E-01	-1.21E+00	-1.81E-02	-9.93E-01	0.00E+00	0.00E+00	-4.87E+01	-2.24E-02	-9.30E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.98E-08	-2.51E-06	1.15E-02	-1.79E+01	0.00E+00	0.00E+00	-3.09E+01	-2.85E-05	-1.37E+01	0.00E+00	-2.87E-08	-3.16E-07	-2.87E-02	-1.87E-08	-3.02E+00	0.00E+00	-1.37E+01	-6.62E-04	-1.37E+01	-1.63E+01	-3.02E+00	0.00E+00	0.00E+00	0.00E+00	-1.33E+03
HMT250DR	-1.52E-01	-1.22E+00	-3.46E-02	-1.18E+00	0.00E+00	0.00E+00	-3.89E+01	-1.52E-02	-6.81E-03	-8.68E-02	0.00E+00	0.00E+00	-2.79E-08	-1.77E-06	-2.92E-02	-1.55E+01	0.00E+00	0.00E+00	-3.41E+01	0.00E+00	-1.81E+01	0.00E+00	-6.75E-08	-3.46E-07	-2.71E-02	0.00E+00	-3.66E+00	0.00E+00	-1.81E+01	-4.47E-04	-1.81E+01	-2.18E+01	-3.66E+00	0.00E+00	0.00E+00	0.00E+00	-1.46E+03
HMT251BR	-2.27E-01	-1.18E+00	-1.36E-02	-8.93E-01	0.00E+00	0.00E+00	-4.94E+01	-2.37E-02	-9.64E-03	-1.22E-01	0.00E+00	-7.97E-08	-3.04E-08	-2.64E-06	2.72E-03	-1.82E+01	0.00E+00	0.00E+00	-3.21E+01	-2.85E-05	-1.38E+01	0.00E+00	-1.82E-08	-3.15E-07	-2.95E-02	-1.87E-08	-2.84E+00	0.00E+00	-1.38E+01	-6.95E-04	-1.38E+01	-1.63E+01	-2.84E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HMT251DR	-2.26E-01	-6.84E-01	-1.59E-03	-6.36E-01	0.00E+00	0.00E+00	-4.03E+01	-2.36E-02	-9.07E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.65E-08	-2.69E-06	3.05E-03	-1.46E+01	0.00E+00	0.00E+00	-2.95E+01	-1.36E-05	-9.10E+00	0.00E+00	1.81E-08	-3.20E-07	-2.76E-02	-8.98E-09	-3.09E+00	0.00E+00	-9.10E+00	-6.69E-04	-9.10E+00	-1.24E+01	-3.09E+00	0.00E+00	0.00E+00	0.00E+00	-1.25E+03
HMT252DR	-2.23E-01	-7.21E-01	-1.68E-03	-6.36E-01	0.00E+00	0.00E+00	-4.15E+01	-2.34E-02	-8.90E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.67E-08	-2.72E-06	1.53E-03	-1.49E+01	0.00E+00	0.00E+00	-3.02E+01	-1.36E-05	-9.29E+00	0.00E+00	1.54E-08	-3.19E-07	-2.80E-02	-8.98E-09	-3.04E+00	0.00E+00	-9.29E+00	-6.75E-04	-9.29E+00	-1.24E+01	-3.04E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HMW250DR	-5.49E-01	-2.24E+00	-2.39E-02	-2.32E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.79E-02	-3.33E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.05E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.26E+00	0.00E+00	-3.05E+01	-1.61E-03	-3.05E+01	-3.72E+01	-8.26E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03

HMW251DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.51E-06	-6.10E-08	-6.41E-06	4.76E-02	-4.21E+01	0.00E+00	0.00E+00	-1.04E+02	-5.58E-04	-4.06E+01	0.00E+00	-1.39E-07	-7.52E-07	-8.91E-02	-3.64E-07	-8.10E+00	0.00E+00	-4.06E+01	-1.61E-03	-4.06E+01	-4.86E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HMW320BR	-5.30E-01	-2.16E+00	-1.68E-02	-2.29E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.36E-02	-2.83E-01	0.00E+00	-5.05E-07	-4.69E-08	-6.24E-06	-1.71E-02	-2.64E+01	0.00E+00	0.00E+00	-9.81E+01	-1.87E-04	-2.38E+01	0.00E+00	-3.71E-08	-5.00E-07	-8.37E-02	-1.24E-07	-4.79E+00	0.00E+00	-2.38E+01	-1.54E-03	-2.38E+01	-2.94E+01	-4.79E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HMW320DR	-5.49E-01	-2.24E+00	-2.39E-02	-2.32E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.79E-02	-3.33E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.05E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.26E+00	0.00E+00	-3.05E+01	-1.61E-03	-3.05E+01	-3.72E+01	-8.26E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HMW321BR	-5.30E-01	-3.05E+00	-3.39E-03	-3.45E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.40E-02	-2.83E-01	0.00E+00	-7.20E-07	-4.69E-08	-6.24E-06	3.95E-02	-2.58E+01	0.00E+00	0.00E+00	-9.81E+01	-2.64E-04	-2.55E+01	0.00E+00	-3.97E-08	-5.07E-07	-8.37E-02	-1.75E-07	-4.25E+00	0.00E+00	-2.55E+01	-1.54E-03	-2.55E+01	-2.98E+01	-4.25E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HMW321DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.54E-06	-6.10E-08	-6.41E-06	4.94E-02	-4.22E+01	0.00E+00	0.00E+00	-1.04E+02	-5.66E-04	-4.07E+01	0.00E+00	-1.38E-07	-7.60E-07	-8.91E-02	-3.70E-07	-8.10E+00	0.00E+00	-4.07E+01	-1.61E-03	-4.07E+01	-4.88E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HMW400DR	-5.51E-01	-2.37E+00	-3.91E-02	-2.39E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.39E-06	-6.81E-08	-6.47E-06	-4.13E-02	-4.36E+01	0.00E+00	0.00E+00	-1.04E+02	-5.00E-04	-3.42E+01	0.00E+00	-8.57E-08	-9.42E-07	-9.02E-02	-3.28E-07	-9.78E+00	0.00E+00	-3.42E+01	-1.62E-03	-3.42E+01	-4.34E+01	-9.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HMW401DR	-5.54E-01	-5.05E+00	-2.58E-02	-5.05E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-1.88E-06	-6.85E-08	-6.47E-06	3.74E-02	-6.80E+01	0.00E+00	0.00E+00	-1.04E+02	-6.73E-04	-4.86E+01	0.00E+00	-1.83E-07	-9.70E-07	-9.02E-02	-4.38E-07	-9.78E+00	0.00E+00	-4.86E+01	-1.62E-03	-4.86E+01	-6.14E+01	-9.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HMW500BR	-5.32E-01	-3.91E+00	-3.20E-02	-4.19E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.36E-02	-2.85E-01	0.00E+00	-1.34E-06	-5.48E-08	-6.29E-06	-4.49E-02	-4.28E+01	0.00E+00	0.00E+00	-9.86E+01	-4.70E-04	-3.72E+01	0.00E+00	-1.28E-07	-7.23E-07	-8.48E-02	-3.09E-07	-6.86E+00	0.00E+00	-3.72E+01	-1.54E-03	-3.72E+01	-4.67E+01	-6.86E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HMW501BR	-5.32E-01	-4.28E+00	-1.86E-02	-4.57E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.40E-02	-2.85E-01	0.00E+00	-1.41E-06	-5.48E-08	-6.29E-06	2.31E-02	-4.26E+01	0.00E+00	0.00E+00	-9.86E+01	-4.98E-04	-3.71E+01	0.00E+00	-1.09E-07	-7.31E-07	-8.48E-02	-3.27E-07	-6.33E+00	0.00E+00	-3.71E+01	-1.54E-03	-3.71E+01	-4.62E+01	-6.33E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HNA016M	-2.37E-02	1.59E-02	1.07E-03	2.89E-02	0.00E+00	0.00E+00	-2.75E+00	-2.56E-03	1.76E-03	-1.10E-02	0.00E+00	0.00E+00	-4.81E-09	-2.94E-07	5.96E-03	-3.12E+00	0.00E+00	0.00E+00	-3.20E+00	0.00E+00	5.83E-01	0.00E+00	1.56E-08	-5.91E-08	-4.15E-03	0.00E+00	-5.97E-01	0.00E+00	5.83E-01	-7.70E-05	5.83E-01	2.70E-01	-5.97E-01	0.00E+00	0.00E+00	0.00E+00	-1.64E+02
HNA016Z	-2.46E-02	-8.98E-02	-1.29E-03	-8.65E-02	0.00E+00	0.00E+00	-4.53E+00	-2.37E-03	3.30E-04	-1.28E-02	0.00E+00	0.00E+00	-4.88E-09	-2.83E-07	3.46E-03	-2.33E+00	0.00E+00	0.00E+00	-4.27E+00	0.00E+00	-9.70E-01	0.00E+00	4.84E-09	-4.52E-08	-3.76E-03	0.00E+00	-4.46E-01	0.00E+00	-9.70E-01	-7.10E-05	-9.70E-01	-1.07E+00	-4.46E-01	0.00E+00	0.00E+00	0.00E+00	-1.97E+02
HNA017M	-3.83E-02	2.09E-01	9.21E-03	2.23E-01	0.00E+00	0.00E+00	-5.50E+00	-4.79E-03	-4.39E-05	-1.98E-02	0.00E+00	0.00E+00	-5.84E-09	-4.89E-07	2.15E-02	-5.67E+00	0.00E+00	0.00E+00	-6.70E+00	0.00E+00	3.17E+00	0.00E+00	3.38E-08	-7.80E-08	-7.32E-03	0.00E+00	-1.16E+00	0.00E+00	3.17E+00	-1.44E-04	3.17E+00	2.88E+00	-1.16E+00	0.00E+00	0.00E+00	0.00E+00	-3.09E+02
HNA017Z	-3.14E-02	-6.92E-02	1.19E-02	-3.40E-02	0.00E+00	0.00E+00	-4.14E+00	-4.10E-03	2.98E-03	-1.81E-02	0.00E+00	0.00E+00	-6.58E-09	-4.13E-07	1.87E-02	-5.14E+00	0.00E+00	0.00E+00	-6.09E+00	0.00E+00	9.77E-02	0.00E+00	2.07E-08	-7.32E-08	-6.03E-03	0.00E+00	-6.54E-01	0.00E+00	9.77E-02	-1.16E-04	9.77E-02	-4.94E-01	-6.54E-01	0.00E+00	0.00E+00	0.00E+00	-2.49E+02
HNA020M	-5.04E-02	-6.58E-02	8.08E-04	-6.97E-02	0.00E+00	0.00E+00	-6.54E+00	-4.88E-03	1.34E-03	-2.13E-02	0.00E+00	0.00E+00	-4.90E-09	-6.24E-07	6.09E-03	-3.54E+00	0.00E+00	0.00E+00	-6.34E+00	0.00E+00	-2.14E-02	0.00E+00	1.33E-08	-7.26E-08	-6.24E-03	0.00E+00	-6.81E-01	0.00E+00	-2.14E-02	-1.54E-04	-2.14E-02	-2.79E-01	-6.81E-01	0.00E+00	0.00E+00	0.00E+00	-2.58E+02
HNA020Z	-2.46E-02	-8.73E-02	-1.29E-03	-8.19E-02	0.00E+00	0.00E+00	-4.53E+00	-2.43E-03	2.79E-04	-1.28E-02	0.00E+00	0.00E+00	-4.93E-09	-2.89E-07	3.06E-03	-2.34E+00	0.00E+00	0.00E+00	-4.27E+00	0.00E+00	-9.52E-01	0.00E+00	4.84E-09	-4.49E-08	-3.76E-03	0.00E+00	-4.43E-01	0.00E+00	-9.52E-01	-7.09E-05	-9.52E-01	-1.07E+00	-4.43E-01	0.00E+00	0.00E+00	0.00E+00	-1.97E+02
HNA021M	-3.69E-02	2.18E-01	1.51E-02	2.31E-01	0.00E+00	0.00E+00	-4.69E+00	-4.72E-03	1.42E-04	-1.95E-02	0.00E+00	0.00E+00	-5.39E-09	-4.78E-07	2.45E-02	-5.68E+00	0.00E+00	0.00E+00	-5.78E+00	0.00E+00	3.28E+00	0.00E+00	3.63E-08	-7.55E-08	-7.24E-03	0.00E+00	-1.08E+00	0.00E+00	3.28E+00	-1.39E-04	3.28E+00	3.09E+00	-1.08E+00	0.00E+00	0.00E+00	0.00E+00	-2.81E+02
HNA021Z	-5.79E-02	-7.72E-02	1.07E-02	-5.92E-02	0.00E+00	0.00E+00	-1.12E+01	-6.18E-03	-1.05E-03	-3.05E-02	0.00E+00	0.00E+00	-8.48E-09	-6.83E-07	1.73E-02	-6.97E+00	0.00E+00	0.00E+00	-9.24E+00	0.00E+00	1.03E-01	0.00E+00	2.10E-08	-1.10E-07	-1.01E-02	0.00E+00	-1.11E+00	0.00E+00	1.03E-01	-1.88E-04	1.03E-01	-6.10E-01	-1.11E+00	0.00E+00	0.00E+00	0.00E+00	-4.52E+02
HNA025H	-2.53E-02	1.29E-01	1.01E-03	9.73E-02	0.00E+00	0.00E+00	-5.16E+00	-2.84E-03	1.28E-03	-1.61E-02	0.00E+00	0.00E+00	-7.76E-09	-3.01E-07	3.31E-03	-3.33E+00	0.00E+00	0.00E+00	-6.28E+00	0.00E+00	1.89E+00	0.00E+00	2.76E-08	-9.26E-08	-5.70E-03	0.00E+00	-7.55E-01	0.00E+00	1.89E+00	-9.04E-05	1.89E+00	1.71E+00	-7.55E-01	0.00E+00	0.00E+00	0.00E+00	-2.74E+02
HNA025M	-2.33E-02	2.65E-02	1.25E-03	3.67E-02	0.00E+00	0.00E+00	-2.75E+00	-2.52E-03	1.74E-03	-1.08E-02	0.00E+00	0.00E+00	-4.79E-09	-2.87E-07	5.97E-03	-3.12E+00	0.00E+00	0.00E+00	-3.17E+00	0.00E+00	5.70E-01	0.00E+00	1.62E-08	-5.88E-08	-4.08E-03	0.00E+00	-5.97E-01	0.00E+00	5.70E-01	-7.58E-05	5.70E-01	3.39E-01	-5.97E-01	0.00E+00	0.00E+00	0.00E+00	-1.62E+02
HNA025U	-2.56E-02	-1.30E-01	-8.32E-04	-1.32E-01	0.00E+00	0.00E+00	-5.37E+00	-2.46E-03	2.98E-04	-1.60E-02	0.00E+00	0.00E+00	-7.08E-09	-2.86E-07	4.18E-05	-3.09E+00	0.00E+00	0.00E+00	-5.88E+00	0.00E+00	-1.78E+00	0.00E+00	3.54E-09	-6.29E-08	-4.83E-03	0.00E+00	-6.15E-01	0.00E+00	-1.78E+00	-7.81E-05	-1.78E+00	-2.00E+00	-6.15E-01	0.00E+00	0.00E+00	0.00E+00	-2.65E+02
HNA025Z	-2.29E-02	-8.89E-02	2.36E-03	-7.67E-02	0.00E+00	0.00E+00	-4.05E+00	-2.30E-03	7.82E-04	-1.23E-02	0.00E+00	0.00E+00	-5.00E-09	-2.71E-07	5.22E-03	-2.24E+00	0.00E+00	0.00E+00	-4.18E+00	0.00E+00	-9.18E-01	0.00E+00	6.16E-09	-4.52E-08	-3.68E-03	0.00E+00	-4.29E-01	0.00E+00	-9.18E-01	-6.80E-05	-9.18E-01	-1.04E+00	-4.29E-01	0.00E+00	0.00E+00	0.00E+00	-1.94E+02
HNA026H	-5.49E-02	-8.56E-04	7.67E-03	6.95E-02	0.00E+00	0.00E+00	-9.40E+00	-6.08E-03	-9.83E-04	-3.00E-02	0.00E+00	0.00E+00	-9.26E-09	-6.53E-07	1.61E-02	-6.60E+00	0.00E+00	0.00E+00	-1.01E+01	0.00E+00	2.31E+00	0.00E+00	3.23E-08	-1.13E-07	-9.73E-03	0.00E+00	-1.44E+00	0.00E+00	2.31E+00	-1.85E-04	2.31E+00	1.29E+00	-1.44E+00	0.00E+00	0.00E+00	0.00E+00	-4.55E+02
HNA026M	-3.81E-02	2.14E-01	1.27E-02	2.31E-01	0.00E+00	0.00E+00	-5.33E+00	-4.78E-03	-4.39E-05	-1.96E-02	0.00E+00	0.00E+00	-5.67E-09	-4.87E-07	2.44E-02	-5.67E+00	0.00E+00	0.00E+00	-6.61E+00	0.00E+00	3.24E+00	0.00E+00	3.63E-08	-7.71E-08	-7.32E-03	0.00E+00	-1.16E+00	0.00E+00	3.24E+00	-1.42E-04	3.24E+00	3.06E+00	-1.16E+00	0.00E+00	0.00E+00	0.00E+00	-3.11E+02
HNA026U	-9.09E-02	-1.04E+00	-4.02E-03	-8.94E-01	0.00E+00	0.00E+00	-1.97E+01	-8.69E-03	-3.83E-03	-5.32E-02	0.00E+00	-2.53E-07	-2.18E-08	-1.10E-06	1.26E-02	-1.30E+01	0.00E+00	0.00E+00	-1.47E+01	-9.04E-05	-1.41E+01	0.00E+00	-5.30E-08	-2.78E-07	-1.66E-02	-6.15E-08	-2.90E+00	0.00E+00	-1.41E+01	-2.89E-04	-1.41E+01	-1.63E+01	-2.90E+00	0.00E+00	0.00E+00	0.00E+00	-7.59E+02
HNA026Z	-8.84E-02	-1.04E+00	-3.89E-03	-9.07E-01	0.00E+00	0.00E+00	-2.01E+01	-8.24E-03	-3.81E-03	-5.17E-02	0.00E+00	-2.53E-07	-2.18E-08	-1.07E-06	1.37E-02	-1.29E+01	0.00E+00	0.00E+00	-1.47E+01	-9.04E-05	-1.46E+01	0.00E+00	-5.44E-08	-2.77E-07	-1.60E-02	-6.15E-08	-2.87E+00	0.00E+00	-1.46E+01	-2.80E-04	-1.46E+01	-1.67E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-7.46E+02
HNA032M	-4.90E-02	-6.48E-02	8.08E-04	-6.97E-02	0.00E+00	0.00E+00	-6.36E+00	-4.68E-03	1.36E-03	-2.01E-02	0.00E+00	0.00E+00	-4.77E-09	-6.06E-07	6.35E-03	-3.52E+00	0.00E+00	0.00E+00	-6.19E+00	0.00E+00	1.94E-02	0.00E+00	1.34E-08	-7.16E-08	-6.04E-03	0.00E+00	-6.81E-01	0.00E+00	1.94E-02	-1.49E-04	1.94E-02	-2.70E-01	-6.81E-01	0.00E+00	0.00E+00	0.00E+00	-2.49E+02
HNA032Z	-5.25E-02	-9.45E-01	-9.35E-03	-8.52E-01	0.00E+00	0.00E+00	-1.16E+01	-4.45E-03	-4.80E-04	-3.02E-02	0.00E+00	-2.53E-07	-1.83E-08	-6.41E-07	9.94E-04	-9.58E+00	0.00E+00	0.00E+00	-1.10E+01	-9.04E-05	-1.36E+01	0.00E+00	-5.46E-08	-2.25E-07	-9.88E-03	-6.15E-08	-2.63E+00	0.00E+00	-1.36E+01	-1.69E-04	-1.36E+01	-1.50E+01	-2.63E+00	0.00E+00	0.00E+00	0.00E+00	-5.17E+02
HNA033M	-3.81E-02	2.09E-01	1.23E-02	2.23E-01	0.00E+00	0.00E+00	-5.33E+00	-4.78E-03	-4.99E-05	-1.96E-02	0.00E+00	0.00E+00	-5.73E-09	-4.87E-07	2.44E-02	-5.67E+00	0.00E+00	0.00E+00	-6.68E+00	0.00E+00	3.17E+00	0.00E+00	3.49E-08	-7.71E-08	-7.32E-03	0.00E+00	-1.17E+00	0.00E+00	3.17E+00	-1.43E-04	3.17E+00	3.01E+00	-1.17E+00	0.00E+00	0.00E+00	0.00E+00	-3.11E+02
HNA033Z	-7.27E-02	-9.64E-01	-4.48E-03	-8.25E-01	0.00E+00	0.00E+00	-1.53E+01	-6.98E-03	-1.27E-03	-4.41E-02	0.00E+00	-2.53E-07	-2.09E-08	-9.39E-07	1.17E-02	-1.11E+01	0.00E+00	0.00E+00	-1.24E+01	-9.04E-05	-1.41E+01	0.00E+00	-5.30E-08	-2.58E-07	-1.38E-02	-6.15E-08	-2.63E+00	0.00E+00	-1.41E+01	-2.44E-04	-1.41E+01	-1.62E+01	-2.63E+00	0.00E+00	0.00E+00	0.00E+00	-6.01E+02
HNA040H	-3.81E-02	1.19E-01	3.38E-03	6.20E-02	0.00E+00	0.00E+00	-6.13E+00	-4.33E-03	3.20E-04	-1.94E-02	0.00E+00	0.00E+00	-5.37E-09	-4.71E-07	2.20E-03	-3.66E+00	0.00E+00	0.00E+00	-7.53E+00	0.00E+00	2.34E+00	0.00E+00	2.94E-08	-8.40E-08	-6.61E-03	0.00E+00	-6.83E-01	0.00E+00	2.34E+00	-1.32E-04	2.34E+00	1.85E+00	-6.83E-01	0.00E+00	0.00E+00	0.00E+00	-3.24E+02
HNA040M	-2.24E-02	2.65E-02	1.25E-03	3.67E-02	0.00E+00	0.00E+00	-2.89E+00	-2.54E-03	1.73E-03	-1.08E-02	0.00E+00	0.00E+00	-4.80E-09	-2.87E-07	6.22E-03	-3.12E+00	0.00E+00	0.00E+00	-3.23E+00	0.00E+00	5.78E-01	0.00E+00	1.62E-08	-5.88E-08	-4.08E-03	0.00E+00	-6.06E-01	0.00E+00	5.78E-01	-7.48E-05	5.78E-01	3.39E-01	-6.06E-01	0.00E+00	0.00E+00	0.00E+00	-1.67E+02
HNA040U	-4.78E-02	-9.42E-01	-7.63E-03	-8.27E-01	0.00E+00	0.00E+00	-9.75E+00	-4.17E-03	-1.49E-04	-2.92E-02	0.00E+00	-2.53E-07	-1.78E-08	-5.83E-07	2.37E-03	-9.60E+00	0.00E+00	0.00E+00	-9.69E+00	-9.04E-05	-1.31E+01	0.00E+00	-5.25E-08	-2.19E-07	-9.56E-03	-6.15E-08	-2.56E+00	0.00E+00	-1.31E+01	-1.62E-04	-1.31E+01	-1.45E+01	-2.56E+00	0.00E+00	0.00E+00	0.00E+00	-4.70E+02
HNA040Z	-5.06E-02	-9.39E-01	-7.75E-03	-8.50E-01	0.00E+00	0.00E+00	-1.05E+01	-4.31E-03	-1.98E-04	-2.97E-02	0.00E+00	-2.53E-07	-1.80E-08	-6.14E-07	2.10E-03	-9.60E+00	0.00E+00	0.00E+00	-1.00E+01	-9.04E-05	-1.36E+01	0.00E+00	-5.41E-08	-2.19E-07	-9.56E-03	-6.15E-08	-2.57E+00	0.00E+00	-1.36E+01	-1.67E-04	-1.36E+01	-1.50E+01	-2.57E+00	0.00E+00	0.00E+00	0.00E+00	-4.70E+02
HNA041H	-1.32E-01	-5.58E-01	1.07E-02	-5.22E-01	0.00E+00	0.00E+00	-3.31E+01	-1.35E-02	-4.91E-03	-6.81E-02	0.00E+00	-2.28E-08	-1.03E-08	-1.50E-06	6.78E-03	-1.06E+01	0.00E+00	0.00E+00	-2.25E+01	-8.13E-06	-4.62E+00	0.00E+00	-6.68E-09	-1.60E-07	-2.06E-02	-5.36E-09	-1.55E+00	0.00E+00	-4.62E+00	-3.82E-04	-4.62E+00	-7.48E+00	-1.55E+00	0.00E+00	0.00E+00	0.00E+00	-9.09E+02
HNA041M	-3.83E-02	2.09E-01	9.21E-03	2.23E-01	0.00E+00	0.00E+00	-5.50E+00	-4.79E-03	-4.99E-05	-1.98E-02	0.00E+00	0.00E+00	-5.84E-09	-4.89E-07	2.16E-02	-5.67E+00	0.00E+00	0.00E+00	-6.70E+00	0.00E+00	3.18E+00	0.00E+00	3.38E-08	-7.80E-08	-7.32E-03	0.00E+00	-1.17E+00	0.00E+00	3.18E+00	-1.44E-04	3.18E+00	2.88E+00	-1.17E+00	0.00E+00	0.00E+00	0.00E+00	-3.09E+02
HNA041U	-9.01E-02	-1.03E+00	-4.58E-03	-8.68E-01	0.00E+00	0.00E+00	-1.97E+01	-8.61E-03	-3.79E-03	-5.26E-02	0.00E+00	-2.53E-07	-2.18E-08	-1.09E-06	1.06E-02	-1.25E+01	0.00E+00	0.00E+00	-1.46E+01	-9.04E-05	-1.41E+01	0.00E+00	-5.25E-08	-2.78E-07	-1.61E-02	-6.15E-08	-2.89E+00	0.00E+00	-1.41E+01	-2.87E-04	-1.41E+01	-1.62E+01	-2.89E+00	0.00E+00	0.00E+00	0.00E+00	-7.46E+02
HNA041Z	-8.69E-02	-1.03E+00	-4.58E-03	-8.81E-01	0.00E+00	0.00E+00	-1.97E+01	-8.10E-03	-2.80E-03	-5.11E-02	0.00E+00	-2.53E-07	-2.14E-08	-1.06E-06	1.10E-02	-1.22E+01	0.00E+00	0.00E+00	-1.44E+01	-9.04E-05	-1.45E+01	0.00E+00	-5.39E-08	-2.71E-07	-1.57E-02	-6.15E-08	-2.67E+00	0.00E+00	-1.45E+01	-2.76E-04	-1.45E+01	-1.66E+01	-2.67E+00	0.00E+00	0.00E+00	0.00E+00	-7.27E+02
HNA050M	-2.19E-02	2.65E-02	1.20E-03	3.67E-02	0.00E+00	0.00E+00	-3.93E+00	-2.50E-03	1.52E-03	-1.12E-02	0.00E+00	0.00E+00	-5.07E-09	-2.86E-07	5.29E-03	-3.12E+00	0.00E+00	0.00E+00	-3.87E+00	0.00E+00	5.78E-01	0.00E+00	1.62E-08	-6.48E-08	-4.59E-03	0.00E+00	-6.25E-01	0.00E+00	5.78E-01	-7.51E-05	5.78E-01	3.39E-01	-6.25E-01	0.00E+00	0.00E+00	0.00E+00	-1.95E+02
HNA050Z	-4.94E-02	-9.39E-01	-6.63E-03	-8.48E-01	0.00E+00	0.00E+00	-1.03E+01	-4.22E-03	9.44E-05	-2.96E-02	0.00E+00	-2.53E-07	-1.80E-08	-6.04E-07	3.49E-03	-9.46E+00	0.00E+00	0.00E+00	-1.00E+01	-9.04E-05	-1.36E+01	0.00E+00	-5.38E-08	-2.18E-07	-9.56E-03	-6.15E-08	-2.52E+00	0.00E+00	-1.36E+01	-1.66E-04	-1.36E+01	-1.50E+01	-2.52E+00	0.00E+00	0.00E+00	0.00E+00	-4.70E+02
HNA051M	-3.69E-02	2.18E-01	1.51E-02	2.31E-01	0.00E+00	0.00E+00	-4.69E+00	-4.71E-03	1.36E-04	-1.95E-02	0.00E+00	0.00E+00	-5.39E-09	-4.77E-07	2.46E-02	-5.68E+00	0.00E+00	0.00E+00	-5.78E+00	0.00E+00	3.29E+00	0.00E+00	3.63E-08	-7.55E-08	-7.24E-03	0.00E+00	-1.08E+00	0.00E+00	3.29E+00	-1.39E-04	3.29E+00	3.09E+00	-1.08E+00	0.00E+00	0.00E+00	0.00E+00	-2.81E+02
HNA051Z	-8.65E-02	-1.03E+00	-3.89E-03	-8.81E-01	0.00E+00	0.00E+00	-1.96E+01	-8.04E-03	-2.80E-03	-5.10E-02	0.00E+00	-2.53E-07	-2.14E-08	-1.05E-06	1.21E-02	-1.21E+01	0.00E+00	0.00E+00	-1.44E+01	-9.04E-05	-1.45E+01	0.00E+00	-5.34E-08	-2.70E-07	-1.57E-02	-6.15E-08	-2.64E+00	0.00E+00	-1.45E+01	-2.76E-04	-1.45E+01	-1.66E+01	-2.64E+00	0.00E+00	0.00E+00	0.00E+00	-7.27E+02
HNA063H	-3.30E-02	3.15E-01	8.95E-03	2.83E-01	0.00E+00	0.00E+00	-5.06E+00	-3.57E-03	7.39E-04	-1.75E-02	0.00E+00	0.00E+00	-3.10E-09	-3.95E-07	2.21E-02	-2.55E+00	0.00E+00	0.00E+00	-5.89E+00	0.00E+00	4.28E+00	0.00E+00	3.89E-08	-3.94E-08	-6.32E-03	0.00E+00	-5.02E-02	0.00E+00	4.28E+00	-1.19E-04	4.28E+00	4.28E+00	-5.02E-02	0.00E+00	0.00E+00	0.00E+00	-2.63E+02
HNA063M	-2.11E-02	4.40E-02	2.71E-03	5.35E-02	0.00E+00	0.00E+00	-3.88E+00	-2.45E-03	1.61E-03	-1.12E-02	0.00E+00	0.00E+00	-5.03E-09	-2.79E-07	6.57E-03	-3.11E+00	0.00E+00	0.00E+00	-3.86E+00	0.00E+00	7.40E-01	0.00E+00	1.79E-08	-6.31E-08	-4.58E-03	0.00E+00	-6.59E-01	0.00E+00	7.40E-01	-7.49E-05	7.40E-01	6.87E-01	-6.59E-01	0.00E+00	0.00E+00	0.00E+00	-1.90E+02
HNA063U	-5.17E-02	-9.41E-01	-4.00E-03	-8.40E-01	0.00E+00	0.00E+00	-9.64E+00	-4.69E-03	3.59E-04	-2.88E-02	0.00E+00	-2.53E-07	-1.73E-08	-6.22E-07	7.37E-03	-9.04E+00	0.00E+00	0.00E+00	-9.96E+00	-9.04E-05	-1.31E+01	0.00E+00	-4.93E-08	-2.07E-07	-9.79E-03	-6.15E-08	-2.37E+00	0.00E+00	-1.31E+01	-1.72E-04	-1.31E+01	-1.45E+01	-2.37E+00	0.00E+00	0.00E+00	0.00E+00	-4.69E+02
HNA063Z	-4.91E-02	-9.40E-01	-5.73E-03	-8.44E-01	0.00E+00	0.00E+00	-1.05E+01	-4.18E-03	3.21E-04	-2.93E-02	0.00E+00	-2.53E-07	-1.78E-08	-6.08E-07	4.88E-03	-9.38E+00	0.00E+00	0.00E+00	-1.02E+01	-9.04E-05	-1.35E+01	0.00E+00	-5.16E-08	-2.15E-07	-9.63E-03	-6.15E-08	-2.52E+00	0.00E+00	-1.35E+01	-1.65E-04	-1.35E+01	-1.48E+01	-2.52E+00	0.00E+00	0.00E+00	0.00E+00	-4.69E+02
HNA064H	-6.31E-02	-3.94E-01	1.34E-02	-3.46E-01	0.00E+00	0.00E+00	-1.24E+01	-7.02E-03	-1.42E-03	-3.54E-02	0.00E+00	0.00E+00	-6.30E-09	-7.80E-07	1.94E-02	-8.15E+00	0.00E+00	0.00E+00	-1.20E+01	0.00E+00	-3.10E+00	0.00E+00	4.04E-09	-9.53E-08	-1.11E-02	0.00E+00	-1.25E+00	0.00E+00	-3.10E+00	-2.10E-04	-3.10E+00	-4.43E+00	-1.25E+00	0.00E+00	0.00E+00	0.00E+00	-5.34E+02
HNA064M	-3.78E-02	2.13E-01	1.27E-02	2.31E-01	0.00E+00	0.00E+00	-5.28E+00	-4.74E-03	-4.99E-05	-1.96E-02	0.00E+00	0.00E+00	-5.71E-09	-4.83E-07	2.44E-02	-5.67E+00	0.00E+00	0.00E+00	-6.61E+00	0.00E+00	3.23E+00	0.00E+00	3.63E-08	-7.71E-08	-7.32E-03	0.00E+00	-1.19E+00	0.00E+00	3.23E+00	-1.42E-04	3.23E+00	3.05E+00	-1.19E+00	0.00E+00	0.00E+00	0.00E+00	-3.11E+02
HNA064U	-1.02E-01	-1.04E+00	-2.74E-03	-8.77E-01	0.00E+00	0.00E+00	-1.95E+01	-9.81E-03	-4.05E-03	-5.28E-02	0.00E+00	-2.53E-07	-2.17E-08	-1.26E-06	1.44E-02	-1.27E+01	0.00E+00	0.00E+00	-1.46E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.12E-08	-2.82E-07	-1.61E-02	-6.15E-08	-2.77E+00	0.00E+00	-1.43E+01	-3.21E-04	-1.43E+01	-1.63E+01	-2.77E+00	0.00E+00	0.00E+00	0.00E+00	-7.47E+02
HNA064Z	-8.95E-02	-1.03E+00	-3.90E-03	-8.81E-01	0.00E+00	0.00E+00	-2.03E+01	-8.37E-03	-3.83E-03	-5.20E-02	0.00E+00	-2.53E-07	-2.18E-08	-1.08E-06	1.21E-02	-1.29E+01	0.00E+00	0.00E+00	-1.48E+01	-9.04E-05	-1.45E+01	0.00E+00	-5.29E-08	-2.78E-07	-1.64E-02	-6.15E-08	-2.88E+00	0.00E+00	-1.45E+01	-2.81E-04	-1.45E+01	-1.66E+01	-2.88E+00	0.00E+00	0.00E+00	0.00E+00	-7.61E+02
HNA080H	-2.65E-02	2.50E-01	8.10E-03	2.18E-01	0.00E+00	0.00E+00	-3.98E+00	-2.87E-03	1.46E-03	-1.54E-02	0.00E+00	0.00E+00	-3.95E-09	-3.03E-07	1.73E-02	-2.47E+00	0.00E+00	0.00E+00	-5.55E+00	0.00E+00	3.76E+00	0.00E+00	3.52E-08	-4.96E-08	-5.87E-03	0.00E+00	-2.13E-01	0.00E+00	3.76E+00	-9.87E-05	3.76E+00	3.58E+00	-2.13E-01	0.00E+00	0.00E+00	0.00E+00	-2.51E+02
HNA080M	-2.07E-02	3.34E-02	4.03E-03	5.05E-02	0.00E+00	0.00E+00	-2.44E+00	-2.35E-03	2.20E-03	-1.07E-02	0.00E+00	0.00E+00	-4.76E-09	-2.63E-07	8.37E-03	-2.94E+00	0.00E+00	0.00E+00	-3.19E+00	0.00E+00	7.50E-01	0.00E+00	1.80E-08	-5.54E-08	-4.14E-03	0.00E+00	-5.67E-01	0.00E+00	7.50E-01	-7.24E-05	7.50E-01	6.46E-01	-5.67E-01	0.00E+00	0.00E+00	0.00E+00	-1.59E+02
HNA080U	-1.50E-02	5.66E-02	6.99E-03	2.21E-02	0.00E+00	0.00E+00	-3.57E+00	-1.93E-03	9.88E-04	-1.31E-02	0.00E+00	0.00E+00	-4.33E-09	-1.83E-07	9.36E-03	-1.56E+00	0.00E+00	0.00E+00	-5.20E+00	0.00E+00	1.21E+00	0.00E+00	1.62E-08	-3.24E-08	-4.64E-03	0.00E+00	-8.42E-02	0.00E+00	1.21E+00	-6.74E-05	1.21E+00	1.27E+00	-8.42E-02	0.00E+00	0.00E+00	0.00E+00	-2.36E+02
HNA080Z	-3.80E-02	-7.77E-01	-5.80E-03	-7.20E-01	0.00E+00	0.00E+00	-7.71E+00	-4.23E-03	1.26E-03	-1.98E-02	0.00E+00	-8.52E-08	-1.01E-08	-4.70E-07	7.23E-03	-5.65E+00	0.00E+00	0.00E+00	-6.03E+00	-3.05E-05	-9.77E+00	0.00E+00	-3.70E-08	-1.24E-07	-5.57E-03	-1.76E-08	-2.50E+00	0.00E+00	-9.77E+00	-1.30E-04	-9.77E+00	-1.04E+01	-2.50E+00	0.00E+00	0.00E+00	0.00E+00	-2.64E+02
HNA081H	-6.22E-02	-4.02E-01	1.31E-02	-3.51E-01	0.00E+00	0.00E+00	-1.21E+01	-6.89E-03	-1.25E-03	-3.51E-02	0.00E+00	0.00E+00	-6.31E-09	-7.67E-07	1.81E-02	-8.17E+00	0.00E+00	0.00E+00	-1.20E+01	0.00E+00	-3.33E+00	0.00E+00	1.19E-09	-9.54E-08	-1.10E-02	0.00E+00	-1.29E+00	0.00E+00	-3.33E+00	-2.06E-04	-3.33E+00	-4.70E+00	-1.29E+00	0.00E+00	0.00E+00	0.00E+00	-5.34E+02
HNA081M	-3.71E-02	2.08E-01	1.02E-02	2.31E-01	0.00E+00	0.00E+00	-5.33E+00	-4.68E-03	3.14E-05	-1.98E-02	0.00E+00	0.00E+00	-5.86E-09	-4.74E-07	2.24E-02	-5.57E+00	0.00E+00	0.00E+00	-6.70E+00	0.00E+00	3.16E+00	0.00E+00	3.42E-08	-7.68E-08	-7.32E-03	0.00E+00	-1.15E+00	0.00E+00	3.16E+00	-1.42E-04	3.16E+00	2.90E+00	-1.15E+00	0.00E+00	0.00E+00	0.00E+00	-3.09E+02
HNA081U	-9.84E-02	-1.05E+00	-2.82E-03	-8.81E-01	0.00E+00	0.00E+00	-1.90E+01	-9.32E-03	-3.02E-03	-5.16E-02	0.00E+00	-2.53E-07	-2.13E-08	-1.21E-06	1.40E-02	-1.20E+01	0.00E+00	0.00E+00	-1.43E+01	-9.04E-05	-1.43E+01	0.00E+00	-5.25E-08	-2.73E-07	-1.59E-02	-6.15E-08	-2.57E+00	0.00E+00	-1.43E+01	-3.13E-04	-1.43E+01	-1.64E+01	-2.57E+00	0.00E+00	0.00E+00	0.00E+00	-7.25E+02
HNA081Z	-7.42E-02	-8.73E-01	-3.89E-03	-7.69E-01	0.00E+00	0.00E+00	-1.62E+01	-7.80E-03	-1.53E-03	-4.04E-02	0.00E+00	-8.52E-08	-1.43E-08	-8.94E-07	1.72E-02	-8.71E+00	0.00E+00	0.00E+00	-1.05E+01	-3.05E-05	-1.09E+01	0.00E+00	-3.83E-08	-1.79E-07	-1.17E-02	-1.76E-08	-2.62E+00	0.00E+00	-1.09E+01	-2.35E-04	-1.09E+01	-1.24E+01	-2.62E+00	0.00E+00	0.00E+00	0.00E+00	-5.39E+02
HNA100H	-2.37E-02	2.75E-01	1.04E-02	1.86E-01	0.00E+00	0.00E+00	-3.94E+00	-2.54E-03	1.50E-03	-1.65E-02	0.00E+00	0.00E+00	-2.94E-09	-2.68E-07	2.42E-02	-3.18E+00	0.00E+00	0.00E+00	-5.03E+00	0.00E+00	3.35E+00	0.00E+00	3.36E-08	-1.86E-08	-4.56E-03	0.00E+00	-1.45E-02	0.00E+00	3.35E+00	-8.82E-05	3.35E+00	3.06E+00	-1.45E-02	0.00E+00	0.00E+00	0.00E+00	-1.79E+02
HNA100M	-1.45E-02	5.17E-02	5.12E-03	5.58E-02	0.00E+00	0.00E+00	-2.39E+00	-1.94E-03	2.44E-03	-9.73E-03	0.00E+00	0.00E+00	-4.90E-09	-1.99E-07	1.10E-02	-2.96E+00	0.00E+00	0.00E+00	-3.38E+00	0.00E+00	6.02E-01	0.00E+00	1.94E-08	-6.02E-08	-4.30E-03	0.00E+00	-5.34E-01	0.00E+00	6.02E-01	-6.21E-05	6.02E-01	5.66E-01	-5.34E-01	0.00E+00	0.00E+00	0.00E+00	-1.71E+02
HNA100U	-5.06E-02	-8.14E-01	-3.36E-03	-7.06E-01	0.00E+00	0.00E+00	-8.43E+00	-5.47E-03	5.90E-04	-2.24E-02	0.00E+00	-8.52E-08	-9.84E-09	-5.90E-07	9.07E-03	-5.71E+00	0.00E+00	0.00E+00	-6.98E+00	-3.05E-05	-9.69E+00	0.00E+00	-3.79E-08	-1.15E-07	-6.37E-03	-1.76E-08	-2.46E+00	0.00E+00	-9.69E+00	-1.56E-04	-9.69E+00	-1.09E+01	-2.46E+00	0.00E+00	0.00E+00	0.00E+00	-3.05E+02
HNA100Z	-4.26E-02	-7.86E-01	-4.78E-03	-6.82E-01	0.00E+00	0.00E+00	-9.32E+00	-4.58E-03	4.96E-04	-2.15E-02	0.00E+00	-8.52E-08	-1.02E-08	-5.15E-07	5.44E-03	-5.56E+00	0.00E+00	0.00E+00	-7.73E+00	-3.05E-05	-9.90E+00	0.00E+00	-3.99E-08	-1.25E-07	-6.31E-03	-1.76E-08	-2.50E+00	0.00E+00	-9.90E+00	-1.38E-04	-9.90E+00	-1.08E+01	-2.50E+00	0.00E+00	0.00E+00	0.00E+00	-3.35E+02
HNA101H	-6.89E-02	-5.04E-01	1.86E-02	-4.54E-01	0.00E+00	0.00E+00	-1.23E+01	-7.54E-03	8.51E-04	-3.74E-02	0.00E+00	0.00E+00	-6.53E-09	-8.54E-07	1.92E-02	-8.25E+00	0.00E+00	0.00E+00	-1.25E+01	0.00E+00	-4.15E+00	0.00E+00	-2.18E-09	-9.50E-08	-1.14E-02	0.00E+00	-1.10E+00	0.00E+00	-4.15E+00	-2.22E-04	-4.15E+00	-5.79E+00	-1.10E+00	0.00E+00	0.00E+00	0.00E+00	-5.52E+02
HNA101M	-3.46E-02	2.08E-01	1.04E-02	2.31E-01	0.00E+00	0.00E+00	-5.27E+00	-4.51E-03	1.29E-04	-1.91E-02	0.00E+00	0.00E+00	-5.85E-09	-4.51E-07	2.52E-02	-5.55E+00	0.00E+00	0.00E+00	-6.73E+00	0.00E+00	3.20E+00	0.00E+00	3.56E-08	-7.64E-08	-7.32E-03	0.00E+00	-1.13E+00	0.00E+00	3.20E+00	-1.38E-04	3.20E+00	2.93E+00	-1.13E+00	0.00E+00	0.00E+00	0.00E+00	-3.12E+02
HNA101U	-9.06E-02	-8.75E-01	-1.70E-03	-7.26E-01	0.00E+00	0.00E+00	-1.58E+01	-9.54E-03	-2.00E-03	-4.20E-02	0.00E+00	-8.52E-08	-1.40E-08	-1.11E-06	1.86E-02	-8.74E+00	0.00E+00	0.00E+00	-1.08E+01	-3.05E-05	-1.04E+01	0.00E+00	-3.86E-08	-1.81E-07	-1.21E-02	-1.76E-08	-2.59E+00	0.00E+00	-1.04E+01	-2.84E-04	-1.04E+01	-1.22E+01	-2.59E+00	0.00E+00	0.00E+00	0.00E+00	-5.42E+02
HNA101Z	-8.62E-02	-8.52E-01	-1.93E-03	-7.12E-01	0.00E+00	0.00E+00	-1.64E+01	-9.00E-03	-1.99E-03	-4.11E-02	0.00E+00	-8.52E-08	-1.41E-08	-1.06E-06	1.69E-02	-8.76E+00	0.00E+00	0.00E+00	-1.09E+01	-3.05E-05	-1.08E+01	0.00E+00	-4.08E-08	-1.84E-07	-1.19E-02	-1.76E-08	-2.62E+00	0.00E+00	-1.08E+01	-2.73E-04	-1.08E+01	-1.23E+01	-2.62E+00	0.00E+00	0.00E+00	0.00E+00	-5.42E+02
HNA125H	-3.57E-02	1.08E-01	1.93E-03	7.12E-02	0.00E+00	0.00E+00	-5.67E+00	-3.87E-03	-4.96E-07	-2.03E-02	0.00E+00	0.00E+00	-8.57E-09	-4.14E-07	3.67E-03	-3.44E+00	0.00E+00	0.00E+00	-7.00E+00	0.00E+00	2.22E+00	0.00E+00	2.86E-08	-1.05E-07	-6.88E-03	0.00E+00	-9.42E-01	0.00E+00	2.22E+00	-1.22E-04	2.22E+00	1.56E+00	-9.42E-01	0.00E+00	0.00E+00	0.00E+00	-2.96E+02
HNA125M	-3.89E-02	-3.49E-02	4.66E-03	-6.11E-02	0.00E+00	0.00E+00	-6.11E+00	-3.96E-03	2.68E-03	-1.75E-02	0.00E+00	0.00E+00	-4.88E-09	-5.05E-07	9.43E-03	-3.23E+00	0.00E+00	0.00E+00	-6.30E+00	0.00E+00	-2.42E-02	0.00E+00	1.74E-08	-6.89E-08	-6.53E-03	0.00E+00	-5.14E-01	0.00E+00	-2.42E-02	-1.32E-04	-2.42E-02	-2.06E-01	-5.14E-01	0.00E+00	0.00E+00	0.00E+00	-2.58E+02
HNA125U	-2.85E-02	-8.14E-01	-3.97E-03	-6.96E-01	0.00E+00	0.00E+00	-5.94E+00	-3.07E-03	1.55E-03	-1.81E-02	0.00E+00	-8.52E-08	-9.80E-09	-3.31E-07	1.10E-02	-5.91E+00	0.00E+00	0.00E+00	-5.47E+00	-3.05E-05	-9.48E+00	0.00E+00	-3.79E-08	-1.16E-07	-5.50E-03	-1.76E-08	-2.44E+00	0.00E+00	-9.48E+00	-9.58E-05	-9.48E+00	-1.08E+01	-2.44E+00	0.00E+00	0.00E+00	0.00E+00	-2.43E+02
HNA125Z	-3.14E-02	-8.11E-01	-3.97E-03	-7.09E-01	0.00E+00	0.00E+00	-6.75E+00	-3.20E-03	1.55E-03	-1.84E-02	0.00E+00	-8.52E-08	-9.82E-09	-3.66E-07	1.10E-02	-5.91E+00	0.00E+00	0.00E+00	-5.63E+00	-3.05E-05	-1.00E+01	0.00E+00	-3.92E-08	-1.16E-07	-5.50E-03	-1.76E-08	-2.43E+00	0.00E+00	-1.00E+01	-1.00E-04	-1.00E+01	-1.12E+01	-2.43E+00	0.00E+00	0.00E+00	0.00E+00	-2.43E+02
HNA126H	-1.44E-01	-5.94E-01	9.33E-03	-5.42E-01	0.00E+00	0.00E+00	-3.39E+01	-1.45E-02	-5.26E-03	-7.09E-02	0.00E+00	-2.28E-08	-1.28E-08	-1.64E-06	5.84E-03	-1.10E+01	0.00E+00	0.00E+00	-2.30E+01	-8.13E-06	-4.79E+00	0.00E+00	-7.26E-09	-1.86E-07	-2.08E-02	-5.36E-09	-1.68E+00	0.00E+00	-4.79E+00	-4.05E-04	-4.79E+00	-7.94E+00	-1.68E+00	0.00E+00	0.00E+00	0.00E+00	-9.23E+02
HNA126M	-3.21E-02	2.40E-01	1.43E-02	2.44E-01	0.00E+00	0.00E+00	-5.06E+00	-4.35E-03	2.18E-04	-1.89E-02	0.00E+00	0.00E+00	-5.44E-09	-4.27E-07	2.89E-02	-5.49E+00	0.00E+00	0.00E+00	-6.64E+00	0.00E+00	3.40E+00	0.00E+00	3.95E-08	-7.31E-08	-7.31E-03	0.00E+00	-1.03E+00	0.00E+00	3.40E+00	-1.31E-04	3.40E+00	3.15E+00	-1.03E+00	0.00E+00	0.00E+00	0.00E+00	-3.13E+02
HNA126U	-9.09E-02	-8.77E-01	-3.08E-03	-7.26E-01	0.00E+00	0.00E+00	-1.62E+01	-9.68E-03	-3.03E-03	-4.32E-02	0.00E+00	-8.52E-08	-1.48E-08	-1.13E-06	1.82E-02	-9.58E+00	0.00E+00	0.00E+00	-1.10E+01	-3.05E-05	-1.03E+01	0.00E+00	-3.84E-08	-1.99E-07	-1.23E-02	-1.76E-08	-2.83E+00	0.00E+00	-1.03E+01	-2.81E-04	-1.03E+01	-1.21E+01	-2.83E+00	0.00E+00	0.00E+00	0.00E+00	-5.58E+02
HNA126Z	-8.76E-02	-8.74E-01	-3.08E-03	-7.39E-01	0.00E+00	0.00E+00	-1.67E+01	-9.10E-03	-2.89E-03	-4.24E-02	0.00E+00	-8.52E-08	-1.48E-08	-1.08E-06	1.87E-02	-9.55E+00	0.00E+00	0.00E+00	-1.11E+01	-3.05E-05	-1.08E+01	0.00E+00	-3.96E-08	-1.98E-07	-1.21E-02	-1.76E-08	-2.80E+00	0.00E+00	-1.08E+01	-2.70E-04	-1.08E+01	-1.25E+01	-2.80E+00	0.00E+00	0.00E+00	0.00E+00	-5.58E+02
HNA160H	-4.75E-02	4.89E-02	6.51E-04	2.94E-02	0.00E+00	0.00E+00	-9.54E+00	-5.13E-03	-5.21E-04	-2.32E-02	0.00E+00	0.00E+00	-1.09E-08	-5.68E-07	-7.94E-03	-3.81E+00	0.00E+00	0.00E+00	-1.02E+01	0.00E+00	2.90E-01	0.00E+00	2.32E-08	-1.32E-07	-8.95E-03	0.00E+00	-1.30E+00	0.00E+00	2.90E-01	-1.55E-04	2.90E-01	-6.65E-02	-1.30E+00	0.00E+00	0.00E+00	0.00E+00	-4.17E+02
HNA160M	-1.20E-02	7.10E-02	6.06E-03	6.06E-02	0.00E+00	0.00E+00	-2.36E+00	-1.66E-03	2.78E-03	-9.76E-03	0.00E+00	0.00E+00	-4.41E-09	-1.63E-07	9.64E-03	-2.69E+00	0.00E+00	0.00E+00	-3.20E+00	0.00E+00	9.04E-01	0.00E+00	2.15E-08	-4.71E-08	-4.19E-03	0.00E+00	-3.99E-01	0.00E+00	9.04E-01	-5.53E-05	9.04E-01	8.00E-01	-3.99E-01	0.00E+00	0.00E+00	0.00E+00	-1.66E+02
HNA160U	-5.53E-02	-7.80E-01	-4.16E-03	-6.76E-01	0.00E+00	0.00E+00	-9.71E+00	-5.84E-03	6.40E-04	-2.42E-02	0.00E+00	-8.52E-08	-9.52E-09	-6.40E-07	6.32E-03	-6.34E+00	0.00E+00	0.00E+00	-8.24E+00	-3.05E-05	-9.19E+00	0.00E+00	-3.91E-08	-1.25E-07	-7.63E-03	-1.76E-08	-2.65E+00	0.00E+00	-9.19E+00	-1.66E-04	-9.19E+00	-1.03E+01	-2.65E+00	0.00E+00	0.00E+00	0.00E+00	-3.53E+02
HNA160Z	-4.80E-02	-7.83E-01	-6.23E-03	-6.99E-01	0.00E+00	0.00E+00	-1.09E+01	-4.94E-03	6.81E-04	-2.28E-02	0.00E+00	-8.52E-08	-1.01E-08	-5.68E-07	3.94E-03	-6.11E+00	0.00E+00	0.00E+00	-8.98E+00	-3.05E-05	-9.84E+00	0.00E+00	-4.01E-08	-1.29E-07	-7.83E-03	-1.76E-08	-2.71E+00	0.00E+00	-9.84E+00	-1.49E-04	-9.84E+00	-1.08E+01	-2.71E+00	0.00E+00	0.00E+00	0.00E+00	-3.79E+02
HNA161H	-9.40E-02	-4.72E-01	-3.61E-03	-4.68E-01	0.00E+00	0.00E+00	-1.81E+01	-9.53E-03	-3.71E-03	-5.10E-02	0.00E+00	0.00E+00	-1.18E-08	-1.10E-06	7.75E-03	-1.34E+01	0.00E+00	0.00E+00	-1.60E+01	0.00E+00	-2.42E+00	0.00E+00	8.76E-10	-1.66E-07	-1.45E-02	0.00E+00	-2.27E+00	0.00E+00	-2.42E+00	-2.76E-04	-2.42E+00	-4.69E+00	-2.27E+00	0.00E+00	0.00E+00	0.00E+00	-7.13E+02
HNA161M	-5.38E-02	1.62E-01	1.18E-02	1.63E-01	0.00E+00	0.00E+00	-8.65E+00	-6.35E-03	1.71E-04	-2.57E-02	0.00E+00	0.00E+00	-5.55E-09	-7.23E-07	2.61E-02	-6.02E+00	0.00E+00	0.00E+00	-9.54E+00	0.00E+00	2.74E+00	0.00E+00	3.41E-08	-9.12E-08	-9.28E-03	0.00E+00	-1.05E+00	0.00E+00	2.74E+00	-1.94E-04	2.74E+00	2.50E+00	-1.05E+00	0.00E+00	0.00E+00	0.00E+00	-3.95E+02
HNA161U	-9.64E-02	-8.34E-01	-2.36E-03	-6.98E-01	0.00E+00	0.00E+00	-1.73E+01	-1.02E-02	-2.94E-03	-4.35E-02	0.00E+00	-8.52E-08	-1.44E-08	-1.20E-06	1.56E-02	-9.85E+00	0.00E+00	0.00E+00	-1.19E+01	-3.05E-05	-1.00E+01	0.00E+00	-3.87E-08	-1.98E-07	-1.27E-02	-1.76E-08	-3.01E+00	0.00E+00	-1.00E+01	-2.96E-04	-1.00E+01	-1.17E+01	-3.01E+00	0.00E+00	0.00E+00	0.00E+00	-5.86E+02
HNA161Z	-2.32E-02	-7.00E-02	1.69E-02	-7.35E-02	0.00E+00	0.00E+00	-2.36E+00	-3.14E-03	3.58E-03	-1.43E-02	0.00E+00	0.00E+00	-5.84E-09	-3.15E-07	2.76E-02	-4.84E+00	0.00E+00	0.00E+00	-5.20E+00	0.00E+00	7.91E-02	0.00E+00	2.07E-08	-6.07E-08	-4.48E-03	0.00E+00	-3.28E-01	0.00E+00	7.91E-02	-9.13E-05	7.91E-02	-6.91E-01	-3.28E-01	0.00E+00	0.00E+00	0.00E+00	-2.01E+02
HNB100H	-1.83E-01	-3.15E+00	-5.56E-02	-3.10E+00	0.00E+00	0.00E+00	-4.59E+01	-1.76E-02	-9.11E-03	-1.15E-01	0.00E+00	0.00E+00	-3.14E-08	-2.05E-06	-5.68E-01	-2.50E+01	0.00E+00	0.00E+00	-4.89E+01	0.00E+00	-3.34E+01	0.00E+00	-1.34E-07	-4.61E-07	-3.47E-02	0.00E+00	-8.66E+00	0.00E+00	-3.34E+01	-5.16E-04	-3.34E+01	-4.21E+01	-8.66E+00	0.00E+00	0.00E+00	0.00E+00	-2.02E+03
HNB100U	-2.05E-01	-1.59E+00	-1.66E-02	-1.57E+00	0.00E+00	0.00E+00	-4.25E+01	-2.03E-02	-7.59E-03	-1.08E-01	0.00E+00	-2.28E-08	-2.71E-08	-2.26E-06	-3.34E-01	-1.97E+01	0.00E+00	0.00E+00	-3.75E+01	-8.13E-06	-1.70E+01	0.00E+00	-5.57E-08	-3.83E-07	-2.88E-02	-5.36E-09	-5.95E+00	0.00E+00	-1.70E+01	-5.83E-04	-1.70E+01	-2.16E+01	-5.95E+00	0.00E+00	0.00E+00	0.00E+00	-1.48E+03
HNB100Z	-8.12E-02	-8.10E-01	-3.79E-03	-7.53E-01	0.00E+00	0.00E+00	-1.47E+01	-8.63E-03	-3.32E-04	-5.06E-02	0.00E+00	0.00E+00	-1.20E-08	-9.31E-07	2.72E-02	-9.37E+00	0.00E+00	0.00E+00	-1.10E+01	0.00E+00	-1.26E+01	0.00E+00	-1.97E-08	-1.27E-07	-1.27E-02	0.00E+00	-3.08E+00	0.00E+00	-1.26E+01	-2.48E-04	-1.26E+01	-1.55E+01	-3.08E+00	0.00E+00	0.00E+00	0.00E+00	-5.87E+02
HNB101H	-2.33E-01	-4.79E-01	4.35E-03	-4.12E-01	0.00E+00	0.00E+00	-4.70E+01	-2.31E-02	-9.15E-03	-1.16E-01	0.00E+00	-2.28E-08	-2.55E-08	-2.62E-06	4.99E-03	-2.05E+01	0.00E+00	0.00E+00	-3.93E+01	-8.13E-06	-7.20E+00	0.00E+00	1.68E-08	-3.65E-07	-3.22E-02	-5.36E-09	-3.98E+00	0.00E+00	-7.20E+00	-6.58E-04	-7.20E+00	-1.39E+01	-3.98E+00	0.00E+00	0.00E+00	0.00E+00	-1.61E+03

HNB101U	-2.33E-01	-4.79E-01	4.35E-03	-4.12E-01	0.00E+00	0.00E+00	-4.70E+01	-2.31E-02	-9.15E-03	-1.16E-01	0.00E+00	-2.28E-08	-2.55E-08	-2.62E-06	4.99E-03	-2.05E+01	0.00E+00	0.00E+00	-3.93E+01	-8.13E-06	-7.20E+00	0.00E+00	1.68E-08	-3.65E-07	-3.22E-02	-5.36E-09	-3.98E+00	0.00E+00	-7.20E+00	-6.58E-04	-7.20E+00	-1.39E+01	-3.98E+00	0.00E+00	0.00E+00	0.00E+00	-1.61E+03
HNB101Z	-5.93E-02	-5.63E-01	2.08E-03	-6.22E-01	0.00E+00	0.00E+00	-1.39E+01	-6.73E-03	3.27E-03	-3.27E-02	0.00E+00	0.00E+00	-7.56E-09	-6.81E-07	-4.56E-01	-1.07E+01	0.00E+00	0.00E+00	-1.84E+01	0.00E+00	-6.11E+00	0.00E+00	-6.62E-09	-1.10E-07	-1.33E-02	0.00E+00	-4.95E+00	0.00E+00	-6.11E+00	-1.96E-04	-6.11E+00	-1.01E+01	-4.95E+00	0.00E+00	0.00E+00	0.00E+00	-7.78E+02
HNB102H	-2.33E-01	-4.79E-01	4.35E-03	-4.12E-01	0.00E+00	0.00E+00	-4.70E+01	-2.31E-02	-9.15E-03	-1.16E-01	0.00E+00	-2.28E-08	-2.55E-08	-2.62E-06	4.99E-03	-2.05E+01	0.00E+00	0.00E+00	-3.93E+01	-8.13E-06	-7.20E+00	0.00E+00	1.68E-08	-3.65E-07	-3.22E-02	-5.36E-09	-3.98E+00	0.00E+00	-7.20E+00	-6.58E-04	-7.20E+00	-1.39E+01	-3.98E+00	0.00E+00	0.00E+00	0.00E+00	-1.61E+03
HNB125H	-1.71E-01	-1.47E+00	-1.15E-02	-1.57E+00	0.00E+00	0.00E+00	-3.83E+01	-1.66E-02	-5.20E-03	-9.19E-02	0.00E+00	-2.28E-08	-2.15E-08	-1.79E-06	-3.10E-01	-1.81E+01	0.00E+00	0.00E+00	-3.57E+01	-8.13E-06	-1.63E+01	0.00E+00	-5.21E-08	-3.33E-07	-2.60E-02	-5.36E-09	-5.52E+00	0.00E+00	-1.63E+01	-4.77E-04	-1.63E+01	-2.12E+01	-5.52E+00	0.00E+00	0.00E+00	0.00E+00	-1.43E+03
HNB125Z	-1.00E-01	-9.98E-01	1.49E-03	-1.04E+00	0.00E+00	0.00E+00	-2.65E+01	-1.00E-02	7.63E-04	-5.47E-02	0.00E+00	-2.28E-08	-1.04E-08	-1.14E-06	-2.96E-01	-1.05E+01	0.00E+00	0.00E+00	-1.90E+01	-8.13E-06	-1.36E+01	0.00E+00	-2.68E-08	-1.62E-07	-1.62E-02	-5.36E-09	-3.74E+00	0.00E+00	-1.36E+01	-2.99E-04	-1.36E+01	-1.70E+01	-3.74E+00	0.00E+00	0.00E+00	0.00E+00	-7.92E+02
HNB126H	-1.88E-01	-8.27E-01	5.76E-03	-7.67E-01	0.00E+00	0.00E+00	-3.37E+01	-1.90E-02	-6.91E-03	-9.52E-02	0.00E+00	0.00E+00	-2.38E-08	-2.16E-06	-1.97E-02	-1.88E+01	0.00E+00	0.00E+00	-3.25E+01	0.00E+00	-7.72E+00	0.00E+00	1.07E-10	-3.43E-07	-2.63E-02	0.00E+00	-4.06E+00	0.00E+00	-7.72E+00	-5.41E-04	-7.72E+00	-1.37E+01	-4.06E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HNB126U	-2.18E-01	-1.01E+00	2.41E-03	-1.03E+00	0.00E+00	0.00E+00	-3.80E+01	-2.18E-02	-7.51E-03	-1.07E-01	0.00E+00	-2.28E-08	-2.33E-08	-2.43E-06	-3.03E-01	-1.79E+01	0.00E+00	0.00E+00	-3.53E+01	-8.13E-06	-8.25E+00	0.00E+00	-1.52E-08	-3.40E-07	-2.77E-02	-5.36E-09	-4.89E+00	0.00E+00	-8.25E+00	-6.21E-04	-8.25E+00	-1.43E+01	-4.89E+00	0.00E+00	0.00E+00	0.00E+00	-1.37E+03
HNB126Z	-1.49E-01	-4.32E-01	4.90E-03	-4.52E-01	0.00E+00	0.00E+00	-2.92E+01	-1.53E-02	-5.18E-03	-7.45E-02	0.00E+00	-2.28E-08	-1.21E-08	-1.69E-06	-2.57E-01	-1.52E+01	0.00E+00	0.00E+00	-2.48E+01	-8.13E-06	-6.56E+00	0.00E+00	2.66E-09	-1.55E-07	-2.10E-02	-5.36E-09	-4.72E+00	0.00E+00	-6.56E+00	-4.09E-04	-6.56E+00	-1.12E+01	-4.72E+00	0.00E+00	0.00E+00	0.00E+00	-9.81E+02
HNB127H	-2.34E-01	-7.76E-01	5.37E-03	-6.93E-01	0.00E+00	0.00E+00	-4.70E+01	-2.35E-02	-9.30E-03	-1.16E-01	0.00E+00	-2.28E-08	-2.56E-08	-2.63E-06	7.45E-03	-2.05E+01	0.00E+00	0.00E+00	-3.93E+01	-8.13E-06	-7.91E+00	0.00E+00	-1.87E-10	-3.65E-07	-3.22E-02	-5.36E-09	-4.05E+00	0.00E+00	-7.91E+00	-6.63E-04	-7.91E+00	-1.46E+01	-4.05E+00	0.00E+00	0.00E+00	0.00E+00	-1.61E+03
HNB160H	-1.76E-01	-2.36E+00	-4.56E-02	-2.31E+00	0.00E+00	0.00E+00	-4.48E+01	-1.73E-02	-8.40E-03	-1.07E-01	0.00E+00	0.00E+00	-3.07E-08	-2.02E-06	-2.99E-02	-2.25E+01	0.00E+00	0.00E+00	-3.93E+01	0.00E+00	-2.38E+01	0.00E+00	-1.16E-07	-4.07E-07	-3.24E-02	0.00E+00	-5.03E+00	0.00E+00	-2.38E+01	-5.08E-04	-2.38E+01	-2.89E+01	-5.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.68E+03
HNB160U	-1.80E-01	-3.12E+00	-5.48E-02	-3.06E+00	0.00E+00	0.00E+00	-4.52E+01	-1.73E-02	-8.98E-03	-1.13E-01	0.00E+00	0.00E+00	-3.10E-08	-2.02E-06	-5.59E-01	-2.47E+01	0.00E+00	0.00E+00	-4.82E+01	0.00E+00	-3.30E+01	0.00E+00	-1.33E-07	-4.55E-07	-3.43E-02	0.00E+00	-8.53E+00	0.00E+00	-3.30E+01	-5.09E-04	-3.30E+01	-4.15E+01	-8.53E+00	0.00E+00	0.00E+00	0.00E+00	-1.99E+03
HNB160Z	-1.06E-01	-1.04E+00	6.54E-04	-1.06E+00	0.00E+00	0.00E+00	-2.69E+01	-1.07E-02	7.63E-04	-5.62E-02	0.00E+00	-2.28E-08	-1.07E-08	-1.22E-06	-2.97E-01	-1.08E+01	0.00E+00	0.00E+00	-1.91E+01	-8.13E-06	-1.38E+01	0.00E+00	-3.21E-08	-1.74E-07	-1.62E-02	-5.36E-09	-3.97E+00	0.00E+00	-1.38E+01	-3.11E-04	-1.38E+01	-1.74E+01	-3.97E+00	0.00E+00	0.00E+00	0.00E+00	-7.85E+02
HNB161H	-2.43E-01	-8.12E-01	4.74E-03	-7.27E-01	0.00E+00	0.00E+00	-4.75E+01	-2.47E-02	-9.58E-03	-1.18E-01	0.00E+00	-2.28E-08	-2.67E-08	-2.78E-06	7.32E-03	-2.07E+01	0.00E+00	0.00E+00	-3.93E+01	-8.13E-06	-8.15E+00	0.00E+00	-4.70E-09	-3.90E-07	-3.25E-02	-5.36E-09	-4.22E+00	0.00E+00	-8.15E+00	-7.00E-04	-8.15E+00	-1.49E+01	-4.22E+00	0.00E+00	0.00E+00	0.00E+00	-1.62E+03
HNB161Z	-1.52E-01	-9.26E-01	4.11E-03	-9.16E-01	0.00E+00	0.00E+00	-2.95E+01	-1.55E-02	-5.18E-03	-7.59E-02	0.00E+00	-2.28E-08	-1.23E-08	-1.73E-06	-2.94E-01	-1.54E+01	0.00E+00	0.00E+00	-2.48E+01	-8.13E-06	-8.04E+00	0.00E+00	-1.95E-08	-1.79E-07	-2.09E-02	-5.36E-09	-5.20E+00	0.00E+00	-8.04E+00	-4.14E-04	-8.04E+00	-1.28E+01	-5.20E+00	0.00E+00	0.00E+00	0.00E+00	-9.74E+02
HNB162H	-2.43E-01	-8.12E-01	4.74E-03	-7.27E-01	0.00E+00	0.00E+00	-4.75E+01	-2.47E-02	-9.58E-03	-1.18E-01	0.00E+00	-2.28E-08	-2.67E-08	-2.78E-06	7.32E-03	-2.07E+01	0.00E+00	0.00E+00	-3.93E+01	-8.13E-06	-8.15E+00	0.00E+00	-4.70E-09	-3.90E-07	-3.25E-02	-5.36E-09	-4.22E+00	0.00E+00	-8.15E+00	-7.00E-04	-8.15E+00	-1.49E+01	-4.22E+00	0.00E+00	0.00E+00	0.00E+00	-1.62E+03
HNB200H	7.06E-03	-4.93E-01	2.09E-02	-5.14E-01	0.00E+00	0.00E+00	2.70E+00	-3.32E-04	9.87E-03	-5.10E-03	0.00E+00	0.00E+00	-8.54E-09	7.62E-08	-4.68E-01	-4.54E+00	0.00E+00	0.00E+00	-9.34E+00	0.00E+00	-1.01E+01	0.00E+00	1.43E-08	-8.81E-08	-3.27E-03	0.00E+00	-3.59E+00	0.00E+00	-1.01E+01	-1.81E-05	-1.01E+01	-1.37E+01	-3.59E+00	0.00E+00	0.00E+00	0.00E+00	-3.61E+02
HNB200U	1.15E-02	3.38E-01	3.07E-02	3.07E-01	0.00E+00	0.00E+00	3.18E+00	-3.32E-04	1.05E-02	1.63E-03	0.00E+00	0.00E+00	-8.24E-09	8.29E-08	4.25E-02	1.78E+00	0.00E+00	0.00E+00	-5.43E-01	0.00E+00	-5.78E-01	0.00E+00	3.64E-08	-3.72E-08	-1.34E-03	0.00E+00	4.20E-01	0.00E+00	-5.78E-01	-1.76E-05	-5.78E-01	-1.58E-01	4.20E-01	0.00E+00	0.00E+00	0.00E+00	-5.11E+01
HNB200Z	-1.26E-01	-1.11E+00	-5.69E-04	-1.06E+00	0.00E+00	0.00E+00	-2.72E+01	-1.28E-02	-1.13E-03	-6.38E-02	0.00E+00	-2.28E-08	-1.16E-08	-1.41E-06	-3.04E-01	-1.20E+01	0.00E+00	0.00E+00	-2.03E+01	-8.13E-06	-1.36E+01	0.00E+00	-3.14E-08	-1.73E-07	-1.67E-02	-5.36E-09	-4.32E+00	0.00E+00	-1.36E+01	-3.38E-04	-1.36E+01	-1.70E+01	-4.32E+00	0.00E+00	0.00E+00	0.00E+00	-7.92E+02
HNB201H	-2.09E-01	3.83E-01	-1.10E-03	3.84E-01	0.00E+00	0.00E+00	-4.18E+01	-2.14E-02	-7.99E-03	-1.04E-01	0.00E+00	0.00E+00	-2.46E-08	-2.48E-06	4.97E-02	-1.56E+01	0.00E+00	0.00E+00	-3.34E+01	0.00E+00	-1.32E+00	0.00E+00	3.40E-08	-3.41E-07	-3.01E-02	0.00E+00	-2.83E+00	0.00E+00	-1.32E+00	-6.15E-04	-1.32E+00	-4.15E+00	-2.83E+00	0.00E+00	0.00E+00	0.00E+00	-1.49E+03
HNB201U	-2.34E-01	-5.39E-01	4.35E-03	-5.01E-01	0.00E+00	0.00E+00	-4.70E+01	-2.35E-02	-9.15E-03	-1.16E-01	0.00E+00	-2.28E-08	-2.56E-08	-2.63E-06	1.13E-02	-2.05E+01	0.00E+00	0.00E+00	-3.93E+01	-8.13E-06	-7.76E+00	0.00E+00	2.84E-09	-3.65E-07	-3.22E-02	-5.36E-09	-3.98E+00	0.00E+00	-7.76E+00	-6.63E-04	-7.76E+00	-1.42E+01	-3.98E+00	0.00E+00	0.00E+00	0.00E+00	-1.61E+03
HNB201Z	-1.51E-01	-8.90E-01	6.43E-03	-8.49E-01	0.00E+00	0.00E+00	-2.95E+01	-1.54E-02	-5.19E-03	-7.56E-02	0.00E+00	-2.28E-08	-1.21E-08	-1.72E-06	-2.91E-01	-1.53E+01	0.00E+00	0.00E+00	-2.47E+01	-8.13E-06	-8.23E+00	0.00E+00	-1.49E-08	-1.66E-07	-2.10E-02	-5.36E-09	-4.84E+00	0.00E+00	-8.23E+00	-4.11E-04	-8.23E+00	-1.26E+01	-4.84E+00	0.00E+00	0.00E+00	0.00E+00	-9.76E+02
HNB202H	-1.78E-01	-5.05E-01	4.01E-03	-4.84E-01	0.00E+00	0.00E+00	-3.35E+01	-1.79E-02	-4.86E-03	-9.44E-02	0.00E+00	0.00E+00	-2.35E-08	-2.04E-06	-1.80E-01	-1.85E+01	0.00E+00	0.00E+00	-3.30E+01	0.00E+00	-7.31E+00	0.00E+00	5.32E-09	-3.42E-07	-2.59E-02	0.00E+00	-4.50E+00	0.00E+00	-7.31E+00	-5.22E-04	-7.31E+00	-1.33E+01	-4.50E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HNB250H	1.57E-02	1.13E+00	5.96E-02	1.07E+00	0.00E+00	0.00E+00	1.39E+01	2.52E-05	1.17E-02	1.12E-02	0.00E+00	0.00E+00	2.26E-09	1.31E-07	-4.31E-01	-1.69E+00	0.00E+00	0.00E+00	2.35E+00	0.00E+00	8.96E+00	0.00E+00	1.26E-07	2.66E-08	3.42E-03	0.00E+00	-2.11E+00	0.00E+00	8.96E+00	2.28E-06	8.96E+00	6.86E+00	-2.11E+00	0.00E+00	0.00E+00	0.00E+00	9.57E+01
HNB250U	-1.65E-01	3.35E-01	-7.85E-04	3.36E-01	0.00E+00	0.00E+00	-3.31E+01	-1.70E-02	-6.31E-03	-8.21E-02	0.00E+00	0.00E+00	-1.95E-08	-1.97E-06	3.96E-02	-1.22E+01	0.00E+00	0.00E+00	-2.65E+01	0.00E+00	-9.92E-01	0.00E+00	2.76E-08	-2.70E-07	-2.38E-02	0.00E+00	-2.23E+00	0.00E+00	-9.92E-01	-4.87E-04	-9.92E-01	-3.22E+00	-2.23E+00	0.00E+00	0.00E+00	0.00E+00	-1.18E+03
HNB250Z	-1.16E-01	-9.20E-01	3.50E-03	-9.32E-01	0.00E+00	0.00E+00	-2.59E+01	-1.19E-02	1.03E-03	-5.79E-02	0.00E+00	-2.28E-08	-9.66E-09	-1.32E-06	-2.94E-01	-1.10E+01	0.00E+00	0.00E+00	-1.99E+01	-8.13E-06	-1.23E+01	0.00E+00	-1.62E-08	-1.54E-07	-1.67E-02	-5.36E-09	-3.69E+00	0.00E+00	-1.23E+01	-3.26E-04	-1.23E+01	-1.57E+01	-3.69E+00	0.00E+00	0.00E+00	0.00E+00	-7.88E+02
HNB251H	-2.09E-01	2.92E-01	-1.98E-03	2.94E-01	0.00E+00	0.00E+00	-4.19E+01	-2.14E-02	-8.03E-03	-1.04E-01	0.00E+00	0.00E+00	-2.46E-08	-2.48E-06	4.70E-02	-2.10E+01	0.00E+00	0.00E+00	-3.37E+01	0.00E+00	-2.21E+00	0.00E+00	2.72E-08	-3.47E-07	-3.02E-02	0.00E+00	-3.65E+00	0.00E+00	-2.21E+00	-6.15E-04	-2.21E+00	-5.86E+00	-3.65E+00	0.00E+00	0.00E+00	0.00E+00	-1.50E+03
HNB251U	-2.42E-01	-4.29E-01	8.03E-03	-4.33E-01	0.00E+00	0.00E+00	-4.73E+01	-2.43E-02	-9.19E-03	-1.18E-01	0.00E+00	-2.28E-08	-2.62E-08	-2.77E-06	1.48E-02	-2.07E+01	0.00E+00	0.00E+00	-3.95E+01	-8.13E-06	-6.40E+00	0.00E+00	2.84E-08	-3.66E-07	-3.24E-02	-5.36E-09	-3.58E+00	0.00E+00	-6.40E+00	-6.94E-04	-6.40E+00	-1.30E+01	-3.58E+00	0.00E+00	0.00E+00	0.00E+00	-1.61E+03
HNB251Z	-6.10E-02	-2.42E-01	6.52E-03	-4.17E-01	0.00E+00	0.00E+00	-1.32E+01	-6.98E-03	4.48E-03	-3.48E-02	0.00E+00	0.00E+00	-5.62E-09	-7.37E-07	-4.56E-01	-1.11E+01	0.00E+00	0.00E+00	-1.87E+01	0.00E+00	-4.53E+00	0.00E+00	2.31E-08	-8.85E-08	-1.35E-02	0.00E+00	-4.28E+00	0.00E+00	-4.53E+00	-2.01E-04	-4.53E+00	-8.13E+00	-4.28E+00	0.00E+00	0.00E+00	0.00E+00	-7.85E+02
HNB252H	-2.11E-01	-9.52E-01	-1.01E-02	-9.42E-01	0.00E+00	0.00E+00	-4.25E+01	-2.13E-02	-8.82E-03	-1.14E-01	0.00E+00	0.00E+00	-2.48E-08	-2.47E-06	3.30E-02	-2.47E+01	0.00E+00	0.00E+00	-3.43E+01	0.00E+00	-5.61E+00	0.00E+00	-7.74E-09	-3.64E-07	-3.24E-02	0.00E+00	-4.30E+00	0.00E+00	-5.61E+00	-6.14E-04	-5.61E+00	-9.90E+00	-4.30E+00	0.00E+00	0.00E+00	0.00E+00	-1.52E+03
HNJ250DR	-5.49E-01	-2.21E+00	-2.33E-02	-2.30E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.47E-07	-6.07E-08	-6.41E-06	-2.18E-02	-3.40E+01	0.00E+00	0.00E+00	-1.04E+02	-3.47E-04	-3.02E+01	0.00E+00	-7.90E-08	-7.30E-07	-8.91E-02	-2.33E-07	-8.29E+00	0.00E+00	-3.02E+01	-1.61E-03	-3.02E+01	-3.72E+01	-8.29E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HNJ251DR	-5.52E-01	-4.40E+00	-9.88E-03	-4.68E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.50E-06	-6.11E-08	-6.41E-06	4.78E-02	-4.28E+01	0.00E+00	0.00E+00	-1.04E+02	-5.44E-04	-4.03E+01	0.00E+00	-1.40E-07	-7.52E-07	-8.91E-02	-3.58E-07	-8.13E+00	0.00E+00	-4.03E+01	-1.61E-03	-4.03E+01	-4.86E+01	-8.13E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HNJ320BR	-5.30E-01	-2.17E+00	-1.68E-02	-2.32E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.36E-02	-2.83E-01	0.00E+00	-5.05E-07	-4.70E-08	-6.24E-06	-1.66E-02	-2.64E+01	0.00E+00	0.00E+00	-9.81E+01	-1.87E-04	-2.38E+01	0.00E+00	-3.71E-08	-4.99E-07	-8.37E-02	-1.24E-07	-4.79E+00	0.00E+00	-2.38E+01	-1.54E-03	-2.38E+01	-2.94E+01	-4.79E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HNJ320DR	-5.49E-01	-2.21E+00	-2.33E-02	-2.30E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.47E-07	-6.07E-08	-6.41E-06	-2.18E-02	-3.40E+01	0.00E+00	0.00E+00	-1.04E+02	-3.47E-04	-3.02E+01	0.00E+00	-7.90E-08	-7.30E-07	-8.91E-02	-2.33E-07	-8.29E+00	0.00E+00	-3.02E+01	-1.61E-03	-3.02E+01	-3.72E+01	-8.29E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HNJ321DR	-5.52E-01	-4.40E+00	-9.88E-03	-4.68E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.52E-06	-6.11E-08	-6.41E-06	4.95E-02	-4.29E+01	0.00E+00	0.00E+00	-1.04E+02	-5.52E-04	-4.05E+01	0.00E+00	-1.39E-07	-7.60E-07	-8.91E-02	-3.64E-07	-8.13E+00	0.00E+00	-4.05E+01	-1.61E-03	-4.05E+01	-4.88E+01	-8.13E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HNJ400DR	-5.24E-01	-4.24E+00	-1.23E-01	-4.12E+00	0.00E+00	0.00E+00	-1.34E+02	-5.21E-02	-2.35E-02	-2.99E-01	0.00E+00	0.00E+00	-9.27E-08	-6.06E-06	-1.17E-01	-4.76E+01	0.00E+00	0.00E+00	-1.17E+02	0.00E+00	-6.57E+01	0.00E+00	-2.73E-07	-1.18E-06	-9.29E-02	0.00E+00	-1.18E+01	0.00E+00	-6.57E+01	-1.53E-03	-6.57E+01	-7.75E+01	-1.18E+01	0.00E+00	0.00E+00	0.00E+00	-5.00E+03
HNJ401DR	-7.07E-01	-1.03E+01	-1.92E-01	-1.01E+01	0.00E+00	0.00E+00	-1.81E+02	-6.95E-02	-3.40E-02	-4.31E-01	0.00E+00	0.00E+00	-1.24E-07	-8.09E-06	-2.10E-01	-1.38E+02	0.00E+00	0.00E+00	-1.59E+02	0.00E+00	-1.01E+02	0.00E+00	-4.96E-07	-1.67E-06	-1.31E-01	0.00E+00	-2.71E+01	0.00E+00	-1.01E+02	-2.04E-03	-1.01E+02	-1.28E+02	-2.71E+01	0.00E+00	0.00E+00	0.00E+00	-6.76E+03
HNJ500BR	-5.32E-01	-4.08E+00	-3.20E-02	-4.29E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.36E-02	-2.85E-01	0.00E+00	-1.34E-06	-5.47E-08	-6.29E-06	-4.21E-02	-4.43E+01	0.00E+00	0.00E+00	-9.86E+01	-4.70E-04	-3.78E+01	0.00E+00	-1.28E-07	-7.24E-07	-8.48E-02	-3.09E-07	-7.04E+00	0.00E+00	-3.78E+01	-1.54E-03	-3.78E+01	-4.76E+01	-7.04E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HNJ630DE	-5.36E-01	-7.34E+00	-1.45E-01	-7.20E+00	0.00E+00	0.00E+00	-1.38E+02	-5.28E-02	-2.58E-02	-3.26E-01	0.00E+00	-2.20E-06	-9.43E-08	-6.15E-06	-1.58E-01	-6.88E+01	0.00E+00	0.00E+00	-1.20E+02	-7.87E-04	-7.62E+01	0.00E+00	-3.71E-07	-1.25E-06	-9.95E-02	-5.18E-07	-1.53E+01	0.00E+00	-7.62E+01	-1.55E-03	-7.62E+01	-9.15E+01	-1.53E+01	0.00E+00	0.00E+00	0.00E+00	-5.13E+03
HNJ631DE	7.58E-02	4.56E+00	2.57E-01	4.30E+00	0.00E+00	0.00E+00	5.55E+01	1.00E-04	4.82E-02	5.03E-02	0.00E+00	0.00E+00	9.72E-09	5.52E-07	2.83E-01	-5.28E+01	0.00E+00	0.00E+00	4.39E+01	0.00E+00	6.24E+01	0.00E+00	4.87E-07	2.34E-07	1.63E-02	0.00E+00	-2.37E+00	0.00E+00	6.24E+01	9.30E-06	6.24E+01	6.01E+01	-2.37E+00	0.00E+00	0.00E+00	0.00E+00	1.60E+03
HNS025BC	-6.23E-02	-6.41E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.14E-02	-6.38E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.87E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HNS025BR	-6.22E-02	-8.92E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.35E-03	-5.95E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.28E-07	1.01E-02	-7.30E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.07E-08	-1.40E-07	-1.44E-02	-7.52E-09	-1.43E+00	0.00E+00	-1.11E+01	-2.12E-04	-1.11E+01	-1.21E+01	-1.43E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HNS025DC	-5.99E-02	-6.24E-01	-7.46E-03	-6.76E-01	0.00E+00	0.00E+00	-1.84E+01	-6.56E-03	-6.61E-04	-4.05E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.01E-07	-1.05E-02	-6.36E+00	0.00E+00	0.00E+00	-1.60E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.95E-08	-1.43E-07	-1.34E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.03E+01	-1.89E-04	-1.03E+01	-1.24E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.33E+02
HNS025DR	-4.54E-02	-8.50E-01	-8.08E-03	-7.21E-01	0.00E+00	0.00E+00	-1.51E+01	-5.86E-03	1.43E-03	-3.99E-02	0.00E+00	-3.20E-08	-1.24E-08	-6.31E-07	1.24E-02	-6.36E+00	0.00E+00	0.00E+00	-1.35E+01	-1.14E-05	-1.04E+01	0.00E+00	-3.08E-08	-1.22E-07	-1.18E-02	-7.52E-09	-1.59E+00	0.00E+00	-1.04E+01	-1.69E-04	-1.04E+01	-1.18E+01	-1.59E+00	0.00E+00	0.00E+00	0.00E+00	-5.60E+02
HNS026BC	-1.21E-01	-8.19E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.68E-03	-9.87E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.84E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HNS026BR	-7.10E-02	-9.08E-01	-9.83E-03	-7.88E-01	0.00E+00	0.00E+00	-2.23E+01	-8.18E-03	-1.78E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.40E-08	-8.82E-07	1.04E-02	-9.31E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.12E+01	0.00E+00	-2.92E-08	-1.66E-07	-1.58E-02	-7.52E-09	-2.35E+00	0.00E+00	-1.12E+01	-2.34E-04	-1.12E+01	-1.24E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HNS026DC	-6.66E-02	-6.21E-01	-8.00E-03	-6.56E-01	0.00E+00	0.00E+00	-1.93E+01	-7.34E-03	1.26E-04	-4.48E-02	0.00E+00	-1.54E-08	-1.29E-08	-7.51E-07	-5.85E-03	-7.89E+00	0.00E+00	0.00E+00	-1.66E+01	-5.51E-06	-1.02E+01	0.00E+00	-1.41E-08	-1.57E-07	-1.44E-02	-3.63E-09	-2.02E+00	0.00E+00	-1.02E+01	-2.02E-04	-1.02E+01	-1.21E+01	-2.02E+00	0.00E+00	0.00E+00	0.00E+00	-7.70E+02
HNS026DR	-6.89E-02	-8.70E-01	-8.87E-03	-7.88E-01	0.00E+00	0.00E+00	-2.06E+01	-7.88E-03	-1.62E-03	-4.89E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.45E-07	1.33E-02	-8.97E+00	0.00E+00	0.00E+00	-1.64E+01	-1.14E-05	-1.08E+01	0.00E+00	-2.89E-08	-1.51E-07	-1.51E-02	-7.52E-09	-2.33E+00	0.00E+00	-1.08E+01	-2.30E-04	-1.08E+01	-1.19E+01	-2.33E+00	0.00E+00	0.00E+00	0.00E+00	-7.53E+02
HNS040BC	-3.76E-02	-5.67E-01	-6.23E-03	-6.28E-01	0.00E+00	0.00E+00	-1.32E+01	-4.50E-03	1.43E-03	-3.15E-02	0.00E+00	-1.54E-08	-1.22E-08	-4.44E-07	-1.02E-02	-5.14E+00	0.00E+00	0.00E+00	-1.35E+01	-5.51E-06	-1.01E+01	0.00E+00	-1.53E-08	-1.29E-07	-1.06E-02	-3.63E-09	-1.52E+00	0.00E+00	-1.01E+01	-1.28E-04	-1.01E+01	-1.27E+01	-1.52E+00	0.00E+00	0.00E+00	0.00E+00	-5.78E+02
HNS040BR	-6.11E-02	-8.84E-01	-8.88E-03	-7.66E-01	0.00E+00	0.00E+00	-2.03E+01	-7.23E-03	-8.21E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.30E-08	-8.16E-07	1.06E-02	-6.99E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-2.99E-08	-1.38E-07	-1.44E-02	-7.52E-09	-1.33E+00	0.00E+00	-1.11E+01	-2.09E-04	-1.11E+01	-1.21E+01	-1.33E+00	0.00E+00	0.00E+00	0.00E+00	-7.17E+02
HNS040DC	-3.76E-02	-5.50E-01	-5.39E-03	-6.28E-01	0.00E+00	0.00E+00	-1.32E+01	-4.50E-03	1.43E-03	-3.15E-02	0.00E+00	-1.54E-08	-1.22E-08	-4.44E-07	-9.95E-03	-5.12E+00	0.00E+00	0.00E+00	-1.35E+01	-5.51E-06	-9.92E+00	0.00E+00	-1.61E-08	-1.29E-07	-1.06E-02	-3.63E-09	-1.54E+00	0.00E+00	-9.92E+00	-1.28E-04	-9.92E+00	-1.26E+01	-1.54E+00	0.00E+00	0.00E+00	0.00E+00	-5.78E+02
HNS040DR	-4.43E-02	-8.63E-01	-7.05E-03	-7.29E-01	0.00E+00	0.00E+00	-1.52E+01	-5.79E-03	1.11E-03	-4.00E-02	0.00E+00	-3.20E-08	-1.25E-08	-6.23E-07	1.30E-02	-6.08E+00	0.00E+00	0.00E+00	-1.38E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.10E-08	-1.22E-07	-1.20E-02	-7.52E-09	-1.48E+00	0.00E+00	-1.09E+01	-1.65E-04	-1.09E+01	-1.23E+01	-1.48E+00	0.00E+00	0.00E+00	0.00E+00	-5.78E+02
HNS041BC	-1.20E-01	-8.09E-01	-1.38E-02	-8.26E-01	0.00E+00	0.00E+00	-2.09E+01	-1.20E-02	-4.51E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.39E-06	-6.69E-03	-9.84E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.14E+01	0.00E+00	-1.69E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.74E+00	0.00E+00	-1.14E+01	-3.52E-04	-1.14E+01	-1.34E+01	-2.74E+00	0.00E+00	0.00E+00	0.00E+00	-8.23E+02
HNS041BR	-6.80E-02	-9.03E-01	-8.94E-03	-7.88E-01	0.00E+00	0.00E+00	-2.22E+01	-8.02E-03	-2.00E-03	-4.94E-02	0.00E+00	-3.20E-08	-1.39E-08	-8.64E-07	1.05E-02	-9.03E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.11E+01	0.00E+00	-2.96E-08	-1.63E-07	-1.58E-02	-7.52E-09	-2.04E+00	0.00E+00	-1.11E+01	-2.30E-04	-1.11E+01	-1.23E+01	-2.04E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HNS041DC	-6.98E-02	-6.32E-01	-8.12E-03	-6.51E-01	0.00E+00	0.00E+00	-1.92E+01	-7.56E-03	-3.40E-04	-4.67E-02	0.00E+00	-1.54E-08	-1.36E-08	-8.08E-07	-6.46E-03	-8.38E+00	0.00E+00	0.00E+00	-1.66E+01	-5.51E-06	-1.02E+01	0.00E+00	-1.26E-08	-1.61E-07	-1.45E-02	-3.63E-09	-2.05E+00	0.00E+00	-1.02E+01	-2.12E-04	-1.02E+01	-1.25E+01	-2.05E+00	0.00E+00	0.00E+00	0.00E+00	-7.58E+02
HNS041DR	-6.75E-02	-8.63E-01	-8.29E-03	-7.88E-01	0.00E+00	0.00E+00	-2.04E+01	-7.78E-03	-2.00E-03	-4.89E-02	0.00E+00	-3.20E-08	-1.36E-08	-8.30E-07	1.38E-02	-8.72E+00	0.00E+00	0.00E+00	-1.63E+01	-1.14E-05	-1.08E+01	0.00E+00	-2.96E-08	-1.46E-07	-1.47E-02	-7.52E-09	-2.15E+00	0.00E+00	-1.08E+01	-2.27E-04	-1.08E+01	-1.19E+01	-2.15E+00	0.00E+00	0.00E+00	0.00E+00	-7.44E+02
HNS050BC	-6.23E-02	-6.40E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.13E-02	-6.37E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.87E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HNS050BR	-6.21E-02	-8.92E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.33E-03	-5.95E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.32E-07	1.05E-02	-7.29E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.07E-08	-1.40E-07	-1.44E-02	-7.52E-09	-1.45E+00	0.00E+00	-1.11E+01	-2.11E-04	-1.11E+01	-1.21E+01	-1.45E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HNS051BC	-1.21E-01	-8.18E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.52E-03	-9.89E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.84E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HNS051BR	-6.88E-02	-9.05E-01	-9.66E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.14E-03	-5.51E-04	-4.94E-02	0.00E+00	-3.20E-08	-1.34E-08	-8.78E-07	1.02E-02	-9.28E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.04E-08	-1.60E-07	-1.58E-02	-7.52E-09	-2.13E+00	0.00E+00	-1.12E+01	-2.30E-04	-1.12E+01	-1.23E+01	-2.13E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HNS063BC	-6.37E-02	-6.40E-01	-9.14E-03	-6.81E-01	0.00E+00	0.00E+00	-1.87E+01	-6.82E-03	-7.70E-04	-4.17E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.34E-07	-1.19E-02	-6.50E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.97E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.05E+01	-1.95E-04	-1.05E+01	-1.26E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HNS063BR	-6.39E-02	-8.89E-01	-1.04E-02	-7.66E-01	0.00E+00	0.00E+00	-2.05E+01	-7.47E-03	-6.03E-04	-4.75E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.50E-07	8.38E-03	-7.42E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.23E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.50E+00	0.00E+00	-1.11E+01	-2.14E-04	-1.11E+01	-1.22E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HNS063DC	-6.13E-02	-6.23E-01	-8.04E-03	-6.81E-01	0.00E+00	0.00E+00	-1.84E+01	-6.69E-03	-7.70E-04	-4.08E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.19E-07	-1.10E-02	-6.48E+00	0.00E+00	0.00E+00	-1.60E+01	-5.51E-06	-1.03E+01	0.00E+00	-2.05E-08	-1.44E-07	-1.34E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.91E-04	-1.03E+01	-1.25E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.33E+02
HNS063DR	-4.78E-02	-8.47E-01	-8.73E-03	-7.21E-01	0.00E+00	0.00E+00	-1.52E+01	-6.02E-03	1.24E-03	-4.04E-02	0.00E+00	-3.20E-08	-1.24E-08	-6.57E-07	1.07E-02	-6.51E+00	0.00E+00	0.00E+00	-1.35E+01	-1.14E-05	-1.04E+01	0.00E+00	-3.23E-08	-1.23E-07	-1.18E-02	-7.52E-09	-1.68E+00	0.00E+00	-1.04E+01	-1.73E-04	-1.04E+01	-1.18E+01	-1.68E+00	0.00E+00	0.00E+00	0.00E+00	-5.68E+02
HNS064BC	-1.21E-01	-8.18E-01	-1.47E-02	-8.31E-01	0.00E+00	0.00E+00	-2.12E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.99E-03	-9.97E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.94E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.76E+00	0.00E+00	-1.15E+01	-3.53E-04	-1.15E+01	-1.34E+01	-2.76E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HNS064BR	-7.26E-02	-8.98E-01	-1.03E-02	-7.68E-01	0.00E+00	0.00E+00	-2.24E+01	-8.32E-03	-5.51E-04	-4.96E-02	0.00E+00	-3.20E-08	-1.34E-08	-9.04E-07	8.56E-03	-9.40E+00	0.00E+00	0.00E+00	-1.73E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.04E-08	-1.61E-07	-1.58E-02	-7.52E-09	-2.37E+00	0.00E+00	-1.12E+01	-2.35E-04	-1.12E+01	-1.23E+01	-2.37E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HNS064DC	-9.08E-02	-7.48E-01	-9.90E-03	-7.55E-01	0.00E+00	0.00E+00	-1.98E+01	-9.06E-03	-2.02E-03	-5.28E-02	0.00E+00	-1.54E-08	-1.57E-08	-9.96E-07	-7.03E-03	-9.58E+00	0.00E+00	0.00E+00	-1.73E+01	-5.51E-06	-1.06E+01	0.00E+00	-1.90E-08	-1.96E-07	-1.49E-02	-3.63E-09	-2.58E+00	0.00E+00	-1.06E+01	-2.62E-04	-1.06E+01	-1.30E+01	-2.58E+00	0.00E+00	0.00E+00	0.00E+00	-7.75E+02
HNS064DR	-7.04E-02	-8.61E-01	-9.29E-03	-7.68E-01	0.00E+00	0.00E+00	-2.07E+01	-8.06E-03	-1.62E-03	-4.96E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.72E-07	1.15E-02	-9.07E+00	0.00E+00	0.00E+00	-1.64E+01	-1.14E-05	-1.08E+01	0.00E+00	-3.02E-08	-1.49E-07	-1.51E-02	-7.52E-09	-2.34E+00	0.00E+00	-1.08E+01	-2.32E-04	-1.08E+01	-1.19E+01	-2.34E+00	0.00E+00	0.00E+00	0.00E+00	-7.53E+02
HNS080BC	-3.98E-02	-5.60E-01	-7.58E-03	-6.07E-01	0.00E+00	0.00E+00	-1.34E+01	-4.74E-03	8.90E-04	-3.17E-02	0.00E+00	-1.54E-08	-1.21E-08	-4.70E-07	-1.05E-02	-5.29E+00	0.00E+00	0.00E+00	-1.36E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.72E-08	-1.29E-07	-1.07E-02	-3.63E-09	-1.55E+00	0.00E+00	-1.03E+01	-1.32E-04	-1.03E+01	-1.28E+01	-1.55E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HNS080BR	-6.30E-02	-8.90E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.40E-03	-5.75E-04	-4.72E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.42E-07	9.71E-03	-7.34E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.14E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.47E+00	0.00E+00	-1.11E+01	-2.13E-04	-1.11E+01	-1.21E+01	-1.47E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HNS080DC	-6.23E-02	-6.25E-01	-7.59E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.75E-03	-6.96E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.18E-07	-1.14E-02	-6.40E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.03E+01	0.00E+00	-2.00E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.03E+01	-1.92E-04	-1.03E+01	-1.24E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HNS080DR	-4.50E-02	-8.70E-01	-8.08E-03	-7.29E-01	0.00E+00	0.00E+00	-1.54E+01	-6.02E-03	1.28E-03	-4.04E-02	0.00E+00	-3.20E-08	-1.26E-08	-6.58E-07	1.20E-02	-6.45E+00	0.00E+00	0.00E+00	-1.38E+01	-1.14E-05	-1.10E+01	0.00E+00	-3.25E-08	-1.24E-07	-1.20E-02	-7.52E-09	-1.46E+00	0.00E+00	-1.10E+01	-1.71E-04	-1.10E+01	-1.23E+01	-1.46E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HNS081BC	-6.41E-02	-6.14E-01	-8.40E-03	-6.53E-01	0.00E+00	0.00E+00	-1.90E+01	-7.19E-03	1.66E-04	-4.39E-02	0.00E+00	-1.54E-08	-1.30E-08	-7.28E-07	-6.01E-03	-7.95E+00	0.00E+00	0.00E+00	-1.67E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.51E-08	-1.51E-07	-1.43E-02	-3.63E-09	-1.98E+00	0.00E+00	-1.05E+01	-1.99E-04	-1.05E+01	-1.23E+01	-1.98E+00	0.00E+00	0.00E+00	0.00E+00	-7.66E+02
HNS081BR	-6.97E-02	-9.03E-01	-9.66E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.20E-03	-5.51E-04	-4.96E-02	0.00E+00	-3.20E-08	-1.34E-08	-8.88E-07	9.41E-03	-9.32E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.08E-08	-1.61E-07	-1.58E-02	-7.52E-09	-2.14E+00	0.00E+00	-1.12E+01	-2.32E-04	-1.12E+01	-1.23E+01	-2.14E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HNS081DC	-8.98E-02	-7.49E-01	-9.59E-03	-7.50E-01	0.00E+00	0.00E+00	-1.97E+01	-9.03E-03	-2.02E-03	-5.28E-02	0.00E+00	-1.54E-08	-1.57E-08	-9.87E-07	-6.47E-03	-9.53E+00	0.00E+00	0.00E+00	-1.73E+01	-5.51E-06	-1.06E+01	0.00E+00	-1.83E-08	-1.96E-07	-1.49E-02	-3.63E-09	-2.58E+00	0.00E+00	-1.06E+01	-2.61E-04	-1.06E+01	-1.29E+01	-2.58E+00	0.00E+00	0.00E+00	0.00E+00	-7.75E+02
HNS081DR	-6.96E-02	-8.61E-01	-8.69E-03	-7.68E-01	0.00E+00	0.00E+00	-2.06E+01	-8.01E-03	-1.62E-03	-4.96E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.65E-07	1.27E-02	-9.02E+00	0.00E+00	0.00E+00	-1.64E+01	-1.14E-05	-1.08E+01	0.00E+00	-2.93E-08	-1.49E-07	-1.51E-02	-7.52E-09	-2.31E+00	0.00E+00	-1.08E+01	-2.31E-04	-1.08E+01	-1.19E+01	-2.31E+00	0.00E+00	0.00E+00	0.00E+00	-7.53E+02
HNS100BC	-6.23E-02	-6.41E-01	-8.56E-03	-6.76E-01	0.00E+00	0.00E+00	-1.87E+01	-6.72E-03	-6.61E-04	-4.14E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.15E-07	-1.14E-02	-6.38E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-1.87E-08	-1.48E-07	-1.37E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.05E+01	-1.92E-04	-1.05E+01	-1.26E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
HNS100BR	-6.22E-02	-8.92E-01	-9.78E-03	-7.66E-01	0.00E+00	0.00E+00	-2.04E+01	-7.35E-03	-5.95E-04	-4.70E-02	0.00E+00	-3.20E-08	-1.31E-08	-8.34E-07	1.03E-02	-7.30E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.07E-08	-1.41E-07	-1.44E-02	-7.52E-09	-1.46E+00	0.00E+00	-1.11E+01	-2.12E-04	-1.11E+01	-1.21E+01	-1.46E+00	0.00E+00	0.00E+00	0.00E+00	-7.19E+02
HNS100DC	-5.99E-02	-6.24E-01	-7.46E-03	-6.76E-01	0.00E+00	0.00E+00	-1.84E+01	-6.56E-03	-6.61E-04	-4.05E-02	0.00E+00	-1.54E-08	-1.28E-08	-7.01E-07	-1.05E-02	-6.36E+00	0.00E+00	0.00E+00	-1.60E+01	-5.51E-06	-1.03E+01	0.00E+00	-1.95E-08	-1.43E-07	-1.34E-02	-3.63E-09	-1.50E+00	0.00E+00	-1.03E+01	-1.89E-04	-1.03E+01	-1.24E+01	-1.50E+00	0.00E+00	0.00E+00	0.00E+00	-7.33E+02
HNS100DR	-4.56E-02	-8.72E-01	-8.08E-03	-7.29E-01	0.00E+00	0.00E+00	-1.54E+01	-5.95E-03	1.50E-03	-4.02E-02	0.00E+00	-3.20E-08	-1.26E-08	-6.44E-07	1.26E-02	-6.39E+00	0.00E+00	0.00E+00	-1.38E+01	-1.14E-05	-1.10E+01	0.00E+00	-3.19E-08	-1.24E-07	-1.20E-02	-7.52E-09	-1.62E+00	0.00E+00	-1.10E+01	-1.69E-04	-1.10E+01	-1.23E+01	-1.62E+00	0.00E+00	0.00E+00	0.00E+00	-5.88E+02
HNS101BC	-1.21E-01	-8.19E-01	-1.44E-02	-8.26E-01	0.00E+00	0.00E+00	-2.11E+01	-1.21E-02	-4.35E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.12E-08	-1.40E-06	-6.53E-03	-9.89E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.84E-08	-2.32E-07	-1.66E-02	-3.63E-09	-2.75E+00	0.00E+00	-1.15E+01	-3.52E-04	-1.15E+01	-1.34E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-8.27E+02
HNS101BR	-6.89E-02	-9.05E-01	-9.66E-03	-7.68E-01	0.00E+00	0.00E+00	-2.23E+01	-8.16E-03	-5.51E-04	-4.94E-02	0.00E+00	-3.20E-08	-1.34E-08	-8.80E-07	9.98E-03	-9.28E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.12E+01	0.00E+00	-3.04E-08	-1.61E-07	-1.58E-02	-7.52E-09	-2.13E+00	0.00E+00	-1.12E+01	-2.31E-04	-1.12E+01	-1.23E+01	-2.13E+00	0.00E+00	0.00E+00	0.00E+00	-7.76E+02
HNS101DC	-8.98E-02	-7.48E-01	-9.59E-03	-7.50E-01	0.00E+00	0.00E+00	-1.97E+01	-9.01E-03	-2.02E-03	-5.28E-02	0.00E+00	-1.54E-08	-1.57E-08	-9.85E-07	-6.36E-03	-9.50E+00	0.00E+00	0.00E+00	-1.73E+01	-5.51E-06	-1.06E+01	0.00E+00	-1.79E-08	-1.96E-07	-1.49E-02	-3.63E-09	-2.58E+00	0.00E+00	-1.06E+01	-2.61E-04	-1.06E+01	-1.29E+01	-2.58E+00	0.00E+00	0.00E+00	0.00E+00	-7.75E+02
HNS101DR	-6.89E-02	-8.63E-01	-8.69E-03	-7.68E-01	0.00E+00	0.00E+00	-2.06E+01	-7.92E-03	-1.62E-03	-4.89E-02	0.00E+00	-3.20E-08	-1.37E-08	-8.51E-07	1.33E-02	-8.97E+00	0.00E+00	0.00E+00	-1.64E+01	-1.14E-05	-1.08E+01	0.00E+00	-2.89E-08	-1.49E-07	-1.51E-02	-7.52E-09	-2.30E+00	0.00E+00	-1.08E+01	-2.30E-04	-1.08E+01	-1.19E+01	-2.30E+00	0.00E+00	0.00E+00	0.00E+00	-7.53E+02
HNS102DC	-1.21E-01	-8.27E-01	-1.37E-02	-8.18E-01	0.00E+00	0.00E+00	-2.12E+01	-1.21E-02	-4.39E-03	-6.88E-02	0.00E+00	-1.54E-08	-2.13E-08	-1.41E-06	-6.30E-03	-1.06E+01	0.00E+00	0.00E+00	-1.77E+01	-5.51E-06	-1.11E+01	0.00E+00	-1.78E-08	-2.33E-07	-1.64E-02	-3.63E-09	-2.81E+00	0.00E+00	-1.11E+01	-3.52E-04	-1.11E+01	-1.35E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-8.14E+02
HNS125BC	-4.00E-02	-5.80E-01	-8.69E-03	-6.20E-01	0.00E+00	0.00E+00	-1.44E+01	-4.74E-03	6.37E-04	-3.30E-02	0.00E+00	-1.54E-08	-1.35E-08	-4.77E-07	-9.21E-03	-5.14E+00	0.00E+00	0.00E+00	-1.39E+01	-5.51E-06	-1.04E+01	0.00E+00	-1.81E-08	-1.50E-07	-1.11E-02	-3.63E-09	-1.63E+00	0.00E+00	-1.04E+01	-1.35E-04	-1.04E+01	-1.31E+01	-1.63E+00	0.00E+00	0.00E+00	0.00E+00	-6.11E+02

HNS125BR	-6.37E-02	-8.99E-01	-9.24E-03	-7.83E-01	0.00E+00	0.00E+00	-2.09E+01	-7.51E-03	-9.25E-04	-4.82E-02	0.00E+00	-3.20E-08	-1.43E-08	-8.58E-07	1.20E-02	-7.05E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E-05	-1.14E+01	0.00E+00	-3.27E-08	-1.60E-07	-1.47E-02	-7.52E-09	-1.45E+00	0.00E+00	-1.14E+01	-2.15E-04	-1.14E+01	-1.24E+01	-1.45E+00	0.00E+00	0.00E+00	0.00E+00	-7.29E+02
HNS125DC	-6.46E-02	-6.40E-01	-7.51E-03	-6.94E-01	0.00E+00	0.00E+00	-1.92E+01	-6.89E-03	-8.58E-04	-4.31E-02	0.00E+00	-1.54E-08	-1.39E-08	-7.42E-07	-9.92E-03	-6.28E+00	0.00E+00	0.00E+00	-1.61E+01	-5.51E-06	-1.05E+01	0.00E+00	-2.04E-08	-1.69E-07	-1.41E-02	-3.63E-09	-1.52E+00	0.00E+00	-1.05E+01	-1.97E-04	-1.05E+01	-1.28E+01	-1.52E+00	0.00E+00	0.00E+00	0.00E+00	-7.58E+02
HNS125DR	-4.66E-02	-8.57E-01	-7.41E-03	-7.38E-01	0.00E+00	0.00E+00	-1.55E+01	-6.00E-03	1.02E-03	-4.09E-02	0.00E+00	-3.20E-08	-1.36E-08	-6.57E-07	1.44E-02	-6.10E+00	0.00E+00	0.00E+00	-1.34E+01	-1.14E-05	-1.06E+01	0.00E+00	-3.25E-08	-1.41E-07	-1.21E-02	-7.52E-09	-1.61E+00	0.00E+00	-1.06E+01	-1.69E-04	-1.06E+01	-1.21E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-5.78E+02
HNS126BC	-6.86E-02	-6.28E-01	-8.40E-03	-6.71E-01	0.00E+00	0.00E+00	-1.95E+01	-7.75E-03	-1.11E-04	-4.67E-02	0.00E+00	-1.54E-08	-1.41E-08	-7.96E-07	-4.66E-03	-8.02E+00	0.00E+00	0.00E+00	-1.67E+01	-5.51E-06	-1.07E+01	0.00E+00	-1.53E-08	-1.76E-07	-1.47E-02	-3.63E-09	-2.03E+00	0.00E+00	-1.07E+01	-2.14E-04	-1.07E+01	-1.26E+01	-2.03E+00	0.00E+00	0.00E+00	0.00E+00	-7.74E+02
HNS126BR	-7.21E-02	-9.12E-01	-9.12E-03	-7.85E-01	0.00E+00	0.00E+00	-2.28E+01	-8.81E-03	-8.52E-04	-5.17E-02	0.00E+00	-3.20E-08	-1.46E-08	-9.52E-07	1.18E-02	-9.18E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.14E+01	0.00E+00	-3.23E-08	-1.85E-07	-1.62E-02	-7.52E-09	-2.18E+00	0.00E+00	-1.14E+01	-2.41E-04	-1.14E+01	-1.25E+01	-2.18E+00	0.00E+00	0.00E+00	0.00E+00	-7.88E+02
HNS126DC	-1.25E-01	-8.44E-01	-1.36E-02	-8.32E-01	0.00E+00	0.00E+00	-2.27E+01	-1.27E-02	-4.74E-03	-7.12E-02	0.00E+00	-1.54E-08	-2.25E-08	-1.48E-06	-5.93E-03	-1.07E+01	0.00E+00	0.00E+00	-1.85E+01	-5.51E-06	-1.14E+01	0.00E+00	-2.05E-08	-2.63E-07	-1.75E-02	-3.63E-09	-2.91E+00	0.00E+00	-1.14E+01	-3.68E-04	-1.14E+01	-1.39E+01	-2.91E+00	0.00E+00	0.00E+00	0.00E+00	-8.41E+02
HNS126DR	-7.06E-02	-8.71E-01	-8.07E-03	-7.85E-01	0.00E+00	0.00E+00	-2.12E+01	-8.64E-03	2.26E-04	-5.17E-02	0.00E+00	-3.20E-08	-1.42E-08	-9.16E-07	1.44E-02	-8.86E+00	0.00E+00	0.00E+00	-1.64E+01	-1.14E-05	-1.11E+01	0.00E+00	-3.08E-08	-1.70E-07	-1.54E-02	-7.52E-09	-2.37E+00	0.00E+00	-1.11E+01	-2.39E-04	-1.11E+01	-1.21E+01	-2.37E+00	0.00E+00	0.00E+00	0.00E+00	-7.69E+02
HNS127DC	-1.23E-01	-8.44E-01	-1.37E-02	-8.32E-01	0.00E+00	0.00E+00	-2.16E+01	-1.25E-02	-4.63E-03	-7.12E-02	0.00E+00	-1.54E-08	-2.23E-08	-1.45E-06	-5.03E-03	-1.07E+01	0.00E+00	0.00E+00	-1.76E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.85E-08	-2.52E-07	-1.68E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.13E+01	-3.64E-04	-1.13E+01	-1.39E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.22E+02
HNS160BC	-5.13E-02	-6.30E-01	-9.37E-03	-5.47E-01	0.00E+00	0.00E+00	-1.48E+01	-5.72E-03	1.89E-03	-3.71E-02	0.00E+00	-1.54E-08	-1.40E-08	-6.39E-07	-1.44E-02	-5.78E+00	0.00E+00	0.00E+00	-1.46E+01	-5.51E-06	-1.01E+01	0.00E+00	-2.14E-08	-1.56E-07	-1.17E-02	-3.63E-09	-1.51E+00	0.00E+00	-1.01E+01	-1.55E-04	-1.01E+01	-1.23E+01	-1.51E+00	0.00E+00	0.00E+00	0.00E+00	-6.19E+02
HNS160BR	-7.21E-02	-8.83E-01	-1.02E-02	-7.11E-01	0.00E+00	0.00E+00	-2.19E+01	-8.35E-03	-1.47E-03	-5.03E-02	0.00E+00	-3.20E-08	-1.45E-08	-9.75E-07	9.04E-03	-7.55E+00	0.00E+00	0.00E+00	-1.66E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.37E-08	-1.67E-07	-1.51E-02	-7.52E-09	-1.61E+00	0.00E+00	-1.09E+01	-2.36E-04	-1.09E+01	-1.22E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-7.41E+02
HNS160DC	-7.11E-02	-6.40E-01	-1.01E-02	-5.71E-01	0.00E+00	0.00E+00	-1.97E+01	-7.44E-03	-1.29E-03	-4.47E-02	0.00E+00	-1.54E-08	-1.43E-08	-8.50E-07	-1.50E-02	-6.75E+00	0.00E+00	0.00E+00	-1.67E+01	-5.51E-06	-1.01E+01	0.00E+00	-2.15E-08	-1.72E-07	-1.44E-02	-3.63E-09	-1.61E+00	0.00E+00	-1.01E+01	-2.13E-04	-1.01E+01	-1.23E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	-7.52E+02
HNS160DR	-5.95E-02	-8.55E-01	-9.23E-03	-6.75E-01	0.00E+00	0.00E+00	-1.70E+01	-7.04E-03	2.83E-04	-4.36E-02	0.00E+00	-3.20E-08	-1.39E-08	-8.06E-07	1.08E-02	-6.65E+00	0.00E+00	0.00E+00	-1.45E+01	-1.14E-05	-1.04E+01	0.00E+00	-3.25E-08	-1.45E-07	-1.27E-02	-7.52E-09	-1.68E+00	0.00E+00	-1.04E+01	-1.99E-04	-1.04E+01	-1.20E+01	-1.68E+00	0.00E+00	0.00E+00	0.00E+00	-5.97E+02
HNS161BC	-1.28E-01	-8.04E-01	-1.56E-02	-7.12E-01	0.00E+00	0.00E+00	-2.25E+01	-1.28E-02	-4.86E-03	-7.33E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-06	-9.10E-03	-1.02E+01	0.00E+00	0.00E+00	-1.83E+01	-5.51E-06	-1.10E+01	0.00E+00	-2.01E-08	-2.45E-07	-1.72E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.10E+01	-3.73E-04	-1.10E+01	-1.30E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.39E+02
HNS161BR	-8.18E-02	-8.93E-01	-1.01E-02	-7.14E-01	0.00E+00	0.00E+00	-2.37E+01	-9.70E-03	-1.41E-03	-5.41E-02	0.00E+00	-3.20E-08	-1.49E-08	-1.07E-06	9.12E-03	-9.63E+00	0.00E+00	0.00E+00	-1.81E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.27E-08	-1.91E-07	-1.65E-02	-7.52E-09	-2.35E+00	0.00E+00	-1.09E+01	-2.63E-04	-1.09E+01	-1.24E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	-7.96E+02
HNS161DC	-1.02E-01	-7.48E-01	-1.17E-02	-6.36E-01	0.00E+00	0.00E+00	-2.10E+01	-1.02E-02	-2.66E-03	-5.81E-02	0.00E+00	-1.54E-08	-1.71E-08	-1.17E-06	-9.12E-03	-9.77E+00	0.00E+00	0.00E+00	-1.78E+01	-5.51E-06	-1.04E+01	0.00E+00	-1.78E-08	-2.18E-07	-1.56E-02	-3.63E-09	-2.66E+00	0.00E+00	-1.04E+01	-2.91E-04	-1.04E+01	-1.27E+01	-2.66E+00	0.00E+00	0.00E+00	0.00E+00	-7.87E+02
HNS161DR	-7.95E-02	-8.62E-01	-9.61E-03	-7.14E-01	0.00E+00	0.00E+00	-2.20E+01	-9.49E-03	-2.98E-04	-5.37E-02	0.00E+00	-3.20E-08	-1.45E-08	-1.02E-06	1.20E-02	-9.30E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E-05	-1.09E+01	0.00E+00	-3.06E-08	-1.73E-07	-1.55E-02	-7.52E-09	-2.45E+00	0.00E+00	-1.09E+01	-2.59E-04	-1.09E+01	-1.20E+01	-2.45E+00	0.00E+00	0.00E+00	0.00E+00	-7.70E+02
HNS162DC	-1.28E-01	-8.04E-01	-1.56E-02	-7.04E-01	0.00E+00	0.00E+00	-2.21E+01	-1.28E-02	-4.86E-03	-7.33E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-06	-8.36E-03	-1.02E+01	0.00E+00	0.00E+00	-1.81E+01	-5.51E-06	-1.09E+01	0.00E+00	-1.82E-08	-2.45E-07	-1.69E-02	-3.63E-09	-2.87E+00	0.00E+00	-1.09E+01	-3.73E-04	-1.09E+01	-1.29E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-8.26E+02
HNT050DR	-1.49E-01	-9.20E-01	-1.53E-02	-9.27E-01	0.00E+00	0.00E+00	-2.59E+01	-1.51E-02	-6.35E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.54E-08	-1.75E-06	-1.45E-02	-1.28E+01	0.00E+00	0.00E+00	-2.15E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.28E-08	-2.76E-07	-2.06E-02	-3.63E-09	-3.53E+00	0.00E+00	-1.13E+01	-4.36E-04	-1.13E+01	-1.43E+01	-3.53E+00	0.00E+00	0.00E+00	0.00E+00	-9.81E+02
HNT051DR	-2.16E-01	-7.93E-01	-1.59E-03	-7.88E-01	0.00E+00	0.00E+00	-4.02E+01	-2.22E-02	-8.67E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.52E-06	2.17E-03	-1.44E+01	0.00E+00	0.00E+00	-2.91E+01	-1.36E-05	-9.94E+00	0.00E+00	2.51E-09	-2.96E-07	-2.71E-02	-8.98E-09	-3.16E+00	0.00E+00	-9.94E+00	-6.28E-04	-9.94E+00	-1.28E+01	-3.16E+00	0.00E+00	0.00E+00	0.00E+00	-1.25E+03
HNT063DR	-1.49E-01	-9.20E-01	-1.53E-02	-9.27E-01	0.00E+00	0.00E+00	-2.59E+01	-1.51E-02	-6.35E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.54E-08	-1.75E-06	-1.45E-02	-1.28E+01	0.00E+00	0.00E+00	-2.15E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.28E-08	-2.76E-07	-2.06E-02	-3.63E-09	-3.53E+00	0.00E+00	-1.13E+01	-4.36E-04	-1.13E+01	-1.43E+01	-3.53E+00	0.00E+00	0.00E+00	0.00E+00	-9.81E+02
HNT064DR	-2.16E-01	-7.93E-01	-1.59E-03	-7.88E-01	0.00E+00	0.00E+00	-4.02E+01	-2.22E-02	-8.67E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.52E-06	2.17E-03	-1.44E+01	0.00E+00	0.00E+00	-2.91E+01	-1.36E-05	-9.94E+00	0.00E+00	2.51E-09	-2.96E-07	-2.71E-02	-8.98E-09	-3.16E+00	0.00E+00	-9.94E+00	-6.28E-04	-9.94E+00	-1.28E+01	-3.16E+00	0.00E+00	0.00E+00	0.00E+00	-1.25E+03
HNT100BR	-2.11E-01	-1.28E+00	-1.60E-02	-1.09E+00	0.00E+00	0.00E+00	-4.81E+01	-2.12E-02	-9.01E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.79E-08	-2.33E-06	1.27E-02	-1.76E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.45E+01	0.00E+00	-3.46E-08	-2.94E-07	-2.81E-02	-1.87E-08	-2.88E+00	0.00E+00	-1.45E+01	-6.27E-04	-1.45E+01	-1.65E+01	-2.88E+00	0.00E+00	0.00E+00	0.00E+00	-1.31E+03
HNT100DR	-1.63E-01	-1.23E+00	-1.54E-02	-1.06E+00	0.00E+00	0.00E+00	-3.12E+01	-1.68E-02	-6.61E-03	-9.78E-02	0.00E+00	-5.69E-08	-2.57E-08	-1.81E-06	1.94E-02	-1.57E+01	0.00E+00	0.00E+00	-2.22E+01	-2.03E-05	-1.38E+01	0.00E+00	-2.92E-08	-2.56E-07	-2.08E-02	-1.34E-08	-2.65E+00	0.00E+00	-1.38E+01	-4.91E-04	-1.38E+01	-1.47E+01	-2.65E+00	0.00E+00	0.00E+00	0.00E+00	-1.07E+03
HNT101BR	-2.18E-01	-1.44E+00	-1.12E-02	-1.44E+00	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.40E-03	-1.19E-01	0.00E+00	-1.34E-07	-2.84E-08	-2.48E-06	2.75E-03	-1.83E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.55E+01	0.00E+00	-2.87E-08	-2.93E-07	-2.89E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.55E+01	-6.61E-04	-1.55E+01	-1.73E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HNT101DR	-2.18E-01	-1.44E+00	-1.12E-02	-1.44E+00	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.40E-03	-1.19E-01	0.00E+00	-1.34E-07	-2.84E-08	-2.48E-06	2.75E-03	-1.83E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.55E+01	0.00E+00	-2.87E-08	-2.93E-07	-2.89E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.55E+01	-6.61E-04	-1.55E+01	-1.73E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HNT102DR	-2.13E-01	-7.94E-01	-1.66E-03	-7.88E-01	0.00E+00	0.00E+00	-4.02E+01	-2.21E-02	-8.64E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.50E-08	-2.55E-06	9.44E-04	-1.43E+01	0.00E+00	0.00E+00	-2.93E+01	-1.36E-05	-9.95E+00	0.00E+00	2.28E-09	-2.97E-07	-2.71E-02	-8.98E-09	-3.03E+00	0.00E+00	-9.95E+00	-6.33E-04	-9.95E+00	-1.28E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HNT125BR	-2.11E-01	-1.28E+00	-1.57E-02	-1.09E+00	0.00E+00	0.00E+00	-4.80E+01	-2.12E-02	-9.17E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.79E-08	-2.33E-06	1.31E-02	-1.74E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.45E+01	0.00E+00	-3.35E-08	-2.94E-07	-2.81E-02	-1.87E-08	-2.81E+00	0.00E+00	-1.45E+01	-6.27E-04	-1.45E+01	-1.65E+01	-2.81E+00	0.00E+00	0.00E+00	0.00E+00	-1.31E+03
HNT125DR	-1.63E-01	-1.22E+00	-1.51E-02	-1.04E+00	0.00E+00	0.00E+00	-3.11E+01	-1.68E-02	-6.77E-03	-9.78E-02	0.00E+00	-5.69E-08	-2.56E-08	-1.81E-06	1.97E-02	-1.55E+01	0.00E+00	0.00E+00	-2.23E+01	-2.03E-05	-1.38E+01	0.00E+00	-2.81E-08	-2.56E-07	-2.08E-02	-1.34E-08	-2.67E+00	0.00E+00	-1.38E+01	-4.90E-04	-1.38E+01	-1.46E+01	-2.67E+00	0.00E+00	0.00E+00	0.00E+00	-1.06E+03
HNT126BR	-2.18E-01	-1.25E+00	-1.11E-02	-9.97E-01	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.54E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.84E-08	-2.48E-06	3.63E-03	-1.78E+01	0.00E+00	0.00E+00	-3.14E+01	-2.85E-05	-1.47E+01	0.00E+00	-2.32E-08	-2.93E-07	-2.89E-02	-1.87E-08	-2.65E+00	0.00E+00	-1.47E+01	-6.61E-04	-1.47E+01	-1.65E+01	-2.65E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HNT126DR	-2.18E-01	-1.23E+00	-1.11E-02	-9.49E-01	0.00E+00	0.00E+00	-4.87E+01	-2.26E-02	-9.54E-03	-1.19E-01	0.00E+00	-7.97E-08	-2.83E-08	-2.47E-06	3.20E-03	-1.78E+01	0.00E+00	0.00E+00	-3.15E+01	-2.85E-05	-1.47E+01	0.00E+00	-2.32E-08	-2.93E-07	-2.89E-02	-1.87E-08	-2.75E+00	0.00E+00	-1.47E+01	-6.60E-04	-1.47E+01	-1.65E+01	-2.75E+00	0.00E+00	0.00E+00	0.00E+00	-1.38E+03
HNT127DR	-2.13E-01	-7.69E-01	-1.25E-03	-7.49E-01	0.00E+00	0.00E+00	-4.01E+01	-2.21E-02	-8.78E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.49E-08	-2.54E-06	1.08E-03	-1.43E+01	0.00E+00	0.00E+00	-2.95E+01	-1.36E-05	-9.91E+00	0.00E+00	4.74E-09	-2.96E-07	-2.71E-02	-8.98E-09	-3.08E+00	0.00E+00	-9.91E+00	-6.32E-04	-9.91E+00	-1.28E+01	-3.08E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HNT160BR	-2.18E-01	-1.29E+00	-1.59E-02	-1.09E+00	0.00E+00	0.00E+00	-4.85E+01	-2.20E-02	-9.34E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.93E-08	-2.47E-06	1.48E-02	-1.76E+01	0.00E+00	0.00E+00	-3.01E+01	-2.85E-05	-1.47E+01	0.00E+00	-3.41E-08	-3.22E-07	-2.84E-02	-1.87E-08	-2.87E+00	0.00E+00	-1.47E+01	-6.56E-04	-1.47E+01	-1.66E+01	-2.87E+00	0.00E+00	0.00E+00	0.00E+00	-1.32E+03
HNT160DR	-1.74E-01	-1.24E+00	-1.53E-02	-1.06E+00	0.00E+00	0.00E+00	-3.18E+01	-1.79E-02	-6.94E-03	-1.00E-01	0.00E+00	-5.69E-08	-2.71E-08	-1.98E-06	2.17E-02	-1.56E+01	0.00E+00	0.00E+00	-2.21E+01	-2.03E-05	-1.40E+01	0.00E+00	-2.87E-08	-2.85E-07	-2.13E-02	-1.34E-08	-2.64E+00	0.00E+00	-1.40E+01	-5.23E-04	-1.40E+01	-1.48E+01	-2.64E+00	0.00E+00	0.00E+00	0.00E+00	-1.08E+03
HNT161BR	-2.26E-01	-1.45E+00	-1.13E-02	-1.44E+00	0.00E+00	0.00E+00	-4.92E+01	-2.34E-02	-9.72E-03	-1.22E-01	0.00E+00	-1.34E-07	-2.98E-08	-2.61E-06	4.71E-03	-1.82E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.57E+01	0.00E+00	-2.81E-08	-3.21E-07	-2.91E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.57E+01	-6.90E-04	-1.57E+01	-1.74E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HNT161DR	-2.26E-01	-1.45E+00	-1.13E-02	-1.44E+00	0.00E+00	0.00E+00	-4.92E+01	-2.34E-02	-9.72E-03	-1.22E-01	0.00E+00	-1.34E-07	-2.98E-08	-2.61E-06	4.71E-03	-1.82E+01	0.00E+00	0.00E+00	-3.14E+01	-4.78E-05	-1.57E+01	0.00E+00	-2.81E-08	-3.21E-07	-2.91E-02	-3.15E-08	-2.73E+00	0.00E+00	-1.57E+01	-6.90E-04	-1.57E+01	-1.74E+01	-2.73E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HNT162DR	-2.21E-01	-8.28E-01	-1.61E-03	-7.88E-01	0.00E+00	0.00E+00	-4.13E+01	-2.31E-02	-8.96E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.61E-08	-2.69E-06	3.48E-03	-1.47E+01	0.00E+00	0.00E+00	-2.98E+01	-1.36E-05	-1.02E+01	0.00E+00	3.16E-09	-3.25E-07	-2.76E-02	-8.98E-09	-3.11E+00	0.00E+00	-1.02E+01	-6.69E-04	-1.02E+01	-1.29E+01	-3.11E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03
HNT200BR	-2.20E-01	-1.24E+00	-1.28E-02	-1.04E+00	0.00E+00	0.00E+00	-4.86E+01	-2.23E-02	-9.37E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.90E-08	-2.49E-06	1.51E-02	-1.82E+01	0.00E+00	0.00E+00	-3.07E+01	-2.85E-05	-1.42E+01	0.00E+00	-3.80E-08	-3.13E-07	-2.85E-02	-1.87E-08	-2.90E+00	0.00E+00	-1.42E+01	-6.59E-04	-1.42E+01	-1.66E+01	-2.90E+00	0.00E+00	0.00E+00	0.00E+00	-1.32E+03
HNT200DR	-1.76E-01	-1.20E+00	-1.27E-02	-1.01E+00	0.00E+00	0.00E+00	-3.20E+01	-1.81E-02	-7.08E-03	-1.00E-01	0.00E+00	-5.69E-08	-2.69E-08	-2.01E-06	2.17E-02	-1.63E+01	0.00E+00	0.00E+00	-2.27E+01	-2.03E-05	-1.35E+01	0.00E+00	-3.29E-08	-2.78E-07	-2.14E-02	-1.34E-08	-2.68E+00	0.00E+00	-1.35E+01	-5.28E-04	-1.35E+01	-1.49E+01	-2.68E+00	0.00E+00	0.00E+00	0.00E+00	-1.09E+03
HNT201BR	-2.27E-01	-1.19E+00	-8.04E-03	-9.12E-01	0.00E+00	0.00E+00	-4.95E+01	-2.37E-02	-9.75E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.96E-08	-2.63E-06	5.01E-03	-1.87E+01	0.00E+00	0.00E+00	-3.20E+01	-2.85E-05	-1.44E+01	0.00E+00	-2.60E-08	-3.11E-07	-2.94E-02	-1.87E-08	-2.74E+00	0.00E+00	-1.44E+01	-6.93E-04	-1.44E+01	-1.66E+01	-2.74E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HNT201DR	-2.26E-01	-7.31E-01	7.27E-04	-6.69E-01	0.00E+00	0.00E+00	-4.05E+01	-2.35E-02	-8.95E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.57E-08	-2.68E-06	4.01E-03	-1.52E+01	0.00E+00	0.00E+00	-2.96E+01	-1.36E-05	-9.58E+00	0.00E+00	4.94E-09	-3.21E-07	-2.74E-02	-8.98E-09	-3.10E+00	0.00E+00	-9.58E+00	-6.67E-04	-9.58E+00	-1.29E+01	-3.10E+00	0.00E+00	0.00E+00	0.00E+00	-1.24E+03
HNT202DR	-2.23E-01	-7.35E-01	6.39E-04	-6.69E-01	0.00E+00	0.00E+00	-4.05E+01	-2.34E-02	-8.92E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.59E-08	-2.72E-06	2.32E-03	-1.51E+01	0.00E+00	0.00E+00	-2.98E+01	-1.36E-05	-9.58E+00	0.00E+00	3.70E-09	-3.20E-07	-2.74E-02	-8.98E-09	-3.03E+00	0.00E+00	-9.58E+00	-6.73E-04	-9.58E+00	-1.29E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HNT250BR	-2.20E-01	-1.21E+00	-1.81E-02	-9.93E-01	0.00E+00	0.00E+00	-4.87E+01	-2.24E-02	-9.30E-03	-1.22E-01	0.00E+00	-7.97E-08	-2.98E-08	-2.51E-06	1.15E-02	-1.79E+01	0.00E+00	0.00E+00	-3.09E+01	-2.85E-05	-1.37E+01	0.00E+00	-2.87E-08	-3.16E-07	-2.87E-02	-1.87E-08	-3.02E+00	0.00E+00	-1.37E+01	-6.62E-04	-1.37E+01	-1.63E+01	-3.02E+00	0.00E+00	0.00E+00	0.00E+00	-1.33E+03
HNT250DR	1.70E-02	9.95E-01	5.95E-02	9.36E-01	0.00E+00	0.00E+00	1.33E+01	2.63E-05	1.04E-02	1.09E-02	0.00E+00	0.00E+00	2.30E-09	1.22E-07	7.16E-02	-1.24E+00	0.00E+00	0.00E+00	1.07E+01	0.00E+00	1.66E+01	0.00E+00	1.26E-07	6.48E-08	3.73E-03	0.00E+00	1.12E+00	0.00E+00	1.66E+01	3.55E-06	1.66E+01	1.77E+01	1.12E+00	0.00E+00	0.00E+00	0.00E+00	3.93E+02
HNT251BR	-2.27E-01	-1.18E+00	-1.36E-02	-8.93E-01	0.00E+00	0.00E+00	-4.94E+01	-2.37E-02	-9.64E-03	-1.22E-01	0.00E+00	-7.97E-08	-3.04E-08	-2.64E-06	2.72E-03	-1.82E+01	0.00E+00	0.00E+00	-3.21E+01	-2.85E-05	-1.38E+01	0.00E+00	-1.82E-08	-3.15E-07	-2.95E-02	-1.87E-08	-2.84E+00	0.00E+00	-1.38E+01	-6.95E-04	-1.38E+01	-1.63E+01	-2.84E+00	0.00E+00	0.00E+00	0.00E+00	-1.39E+03
HNT251DR	1.30E-02	3.79E-01	3.60E-02	3.43E-01	0.00E+00	0.00E+00	3.29E+00	-5.11E-04	1.26E-02	1.56E-03	0.00E+00	0.00E+00	-1.13E-08	8.75E-08	3.12E-02	-1.89E+00	0.00E+00	0.00E+00	-1.31E+00	0.00E+00	-1.33E+00	0.00E+00	4.84E-08	-5.47E-08	-2.05E-03	0.00E+00	-5.24E-02	0.00E+00	-1.33E+00	-2.52E-05	-1.33E+00	-1.38E+00	-5.24E-02	0.00E+00	0.00E+00	0.00E+00	-9.11E+01
HNT252DR	-2.23E-01	-6.88E-01	-1.68E-03	-6.36E-01	0.00E+00	0.00E+00	-4.03E+01	-2.34E-02	-8.90E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.67E-08	-2.72E-06	8.03E-04	-1.46E+01	0.00E+00	0.00E+00	-2.97E+01	-1.36E-05	-9.10E+00	0.00E+00	1.68E-08	-3.19E-07	-2.76E-02	-8.98E-09	-3.04E+00	0.00E+00	-9.10E+00	-6.75E-04	-9.10E+00	-1.24E+01	-3.04E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HNW250DR	-5.49E-01	-2.24E+00	-2.39E-02	-2.32E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.79E-02	-3.33E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.05E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.26E+00	0.00E+00	-3.05E+01	-1.61E-03	-3.05E+01	-3.72E+01	-8.26E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HNW251DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.51E-06	-6.10E-08	-6.41E-06	4.76E-02	-4.21E+01	0.00E+00	0.00E+00	-1.04E+02	-5.58E-04	-4.06E+01	0.00E+00	-1.39E-07	-7.52E-07	-8.91E-02	-3.64E-07	-8.10E+00	0.00E+00	-4.06E+01	-1.61E-03	-4.06E+01	-4.86E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HNW320BR	-5.30E-01	-2.16E+00	-1.68E-02	-2.29E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.36E-02	-2.83E-01	0.00E+00	-5.05E-07	-4.69E-08	-6.24E-06	-1.71E-02	-2.64E+01	0.00E+00	0.00E+00	-9.81E+01	-1.87E-04	-2.38E+01	0.00E+00	-3.71E-08	-5.00E-07	-8.37E-02	-1.24E-07	-4.79E+00	0.00E+00	-2.38E+01	-1.54E-03	-2.38E+01	-2.94E+01	-4.79E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HNW320DR	-5.49E-01	-2.24E+00	-2.39E-02	-2.32E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.79E-02	-3.33E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.05E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.26E+00	0.00E+00	-3.05E+01	-1.61E-03	-3.05E+01	-3.72E+01	-8.26E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HNW321BR	-5.30E-01	-3.05E+00	-3.39E-03	-3.45E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.40E-02	-2.83E-01	0.00E+00	-7.20E-07	-4.69E-08	-6.24E-06	3.95E-02	-2.58E+01	0.00E+00	0.00E+00	-9.81E+01	-2.64E-04	-2.55E+01	0.00E+00	-3.97E-08	-5.07E-07	-8.37E-02	-1.75E-07	-4.25E+00	0.00E+00	-2.55E+01	-1.54E-03	-2.55E+01	-2.98E+01	-4.25E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HNW321DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.54E-06	-6.10E-08	-6.41E-06	4.94E-02	-4.22E+01	0.00E+00	0.00E+00	-1.04E+02	-5.66E-04	-4.07E+01	0.00E+00	-1.38E-07	-7.60E-07	-8.91E-02	-3.70E-07	-8.10E+00	0.00E+00	-4.07E+01	-1.61E-03	-4.07E+01	-4.88E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HNW400DR	-5.51E-01	-2.37E+00	-3.91E-02	-2.39E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.39E-06	-6.81E-08	-6.47E-06	-4.13E-02	-4.36E+01	0.00E+00	0.00E+00	-1.04E+02	-5.00E-04	-3.42E+01	0.00E+00	-8.57E-08	-9.42E-07	-9.02E-02	-3.28E-07	-9.78E+00	0.00E+00	-3.42E+01	-1.62E-03	-3.42E+01	-4.34E+01	-9.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HNW401DR	-5.54E-01	-5.05E+00	-2.58E-02	-5.05E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-1.88E-06	-6.85E-08	-6.47E-06	3.74E-02	-6.80E+01	0.00E+00	0.00E+00	-1.04E+02	-6.73E-04	-4.86E+01	0.00E+00	-1.83E-07	-9.70E-07	-9.02E-02	-4.38E-07	-9.78E+00	0.00E+00	-4.86E+01	-1.62E-03	-4.86E+01	-6.14E+01	-9.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HNW500BR	-5.32E-01	-4.07E+00	-3.20E-02	-4.26E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.36E-02	-2.85E-01	0.00E+00	-1.34E-06	-5.48E-08	-6.29E-06	-4.15E-02	-4.44E+01	0.00E+00	0.00E+00	-9.86E+01	-4.70E-04	-3.78E+01	0.00E+00	-1.28E-07	-7.23E-07	-8.48E-02	-3.09E-07	-6.90E+00	0.00E+00	-3.78E+01	-1.54E-03	-3.78E+01	-4.76E+01	-6.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HNW501BR	-5.32E-01	-4.28E+00	-1.86E-02	-4.57E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.40E-02	-2.85E-01	0.00E+00	-1.41E-06	-5.48E-08	-6.29E-06	2.31E-02	-4.26E+01	0.00E+00	0.00E+00	-9.86E+01	-4.98E-04	-3.71E+01	0.00E+00	-1.09E-07	-7.31E-07	-8.48E-02	-3.27E-07	-6.33E+00	0.00E+00	-3.71E+01	-1.54E-03	-3.71E+01	-4.62E+01	-6.33E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HPW250DR	-5.49E-01	-2.24E+00	-2.39E-02	-2.32E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.79E-02	-3.33E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.05E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.26E+00	0.00E+00	-3.05E+01	-1.61E-03	-3.05E+01	-3.72E+01	-8.26E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HPW251DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.51E-06	-6.10E-08	-6.41E-06	4.76E-02	-4.21E+01	0.00E+00	0.00E+00	-1.04E+02	-5.58E-04	-4.06E+01	0.00E+00	-1.39E-07	-7.52E-07	-8.91E-02	-3.64E-07	-8.10E+00	0.00E+00	-4.06E+01	-1.61E-03	-4.06E+01	-4.86E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HPW320BR	-5.30E-01	-2.16E+00	-1.68E-02	-2.29E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.36E-02	-2.83E-01	0.00E+00	-5.05E-07	-4.69E-08	-6.24E-06	-1.71E-02	-2.64E+01	0.00E+00	0.00E+00	-9.81E+01	-1.87E-04	-2.38E+01	0.00E+00	-3.71E-08	-5.00E-07	-8.37E-02	-1.24E-07	-4.79E+00	0.00E+00	-2.38E+01	-1.54E-03	-2.38E+01	-2.94E+01	-4.79E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HPW320DR	-5.49E-01	-2.24E+00	-2.39E-02	-2.32E+00	0.00E+00	0.00E+00	-1.24E+02	-5.53E-02	-2.50E-02	-2.95E-01	0.00E+00	-9.62E-07	-6.06E-08	-6.41E-06	-2.79E-02	-3.33E+01	0.00E+00	0.00E+00	-1.04E+02	-3.60E-04	-3.05E+01	0.00E+00	-7.75E-08	-7.30E-07	-8.91E-02	-2.39E-07	-8.26E+00	0.00E+00	-3.05E+01	-1.61E-03	-3.05E+01	-3.72E+01	-8.26E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HPW321BR	-5.30E-01	-3.05E+00	-3.39E-03	-3.45E+00	0.00E+00	0.00E+00	-1.17E+02	-5.43E-02	-2.40E-02	-2.83E-01	0.00E+00	-7.20E-07	-4.69E-08	-6.24E-06	3.95E-02	-2.58E+01	0.00E+00	0.00E+00	-9.81E+01	-2.64E-04	-2.55E+01	0.00E+00	-3.97E-08	-5.07E-07	-8.37E-02	-1.75E-07	-4.25E+00	0.00E+00	-2.55E+01	-1.54E-03	-2.55E+01	-2.98E+01	-4.25E+00	0.00E+00	0.00E+00	0.00E+00	-4.18E+03
HPW321DR	-5.52E-01	-4.40E+00	-1.06E-02	-4.65E+00	0.00E+00	0.00E+00	-1.25E+02	-5.56E-02	-2.58E-02	-2.95E-01	0.00E+00	-1.54E-06	-6.10E-08	-6.41E-06	4.73E-02	-4.20E+01	0.00E+00	0.00E+00	-1.04E+02	-5.66E-04	-4.06E+01	0.00E+00	-1.39E-07	-7.52E-07	-8.91E-02	-3.70E-07	-8.10E+00	0.00E+00	-4.06E+01	-1.61E-03	-4.06E+01	-4.86E+01	-8.10E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03
HPW400DR	-5.51E-01	-2.37E+00	-3.91E-02	-2.39E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.39E-06	-6.81E-08	-6.47E-06	-4.13E-02	-4.36E+01	0.00E+00	0.00E+00	-1.04E+02	-5.00E-04	-3.42E+01	0.00E+00	-8.57E-08	-9.42E-07	-9.02E-02	-3.28E-07	-9.78E+00	0.00E+00	-3.42E+01	-1.62E-03	-3.42E+01	-4.34E+01	-9.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HPW401DR	-5.54E-01	-5.05E+00	-2.58E-02	-5.05E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-1.88E-06	-6.85E-08	-6.47E-06	3.74E-02	-6.80E+01	0.00E+00	0.00E+00	-1.04E+02	-6.73E-04	-4.86E+01	0.00E+00	-1.83E-07	-9.70E-07	-9.02E-02	-4.38E-07	-9.78E+00	0.00E+00	-4.86E+01	-1.62E-03	-4.86E+01	-6.14E+01	-9.78E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HPW500BR	-5.32E-01	-4.07E+00	-3.20E-02	-4.26E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.36E-02	-2.85E-01	0.00E+00	-1.34E-06	-5.48E-08	-6.29E-06	-4.15E-02	-4.44E+01	0.00E+00	0.00E+00	-9.86E+01	-4.70E-04	-3.78E+01	0.00E+00	-1.28E-07	-7.23E-07	-8.48E-02	-3.09E-07	-6.90E+00	0.00E+00	-3.78E+01	-1.54E-03	-3.78E+01	-4.76E+01	-6.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HPW501BR	-5.32E-01	-4.28E+00	-1.86E-02	-4.57E+00	0.00E+00	0.00E+00	-1.17E+02	-5.45E-02	-2.40E-02	-2.85E-01	0.00E+00	-1.41E-06	-5.48E-08	-6.29E-06	2.31E-02	-4.26E+01	0.00E+00	0.00E+00	-9.86E+01	-4.98E-04	-3.71E+01	0.00E+00	-1.09E-07	-7.31E-07	-8.48E-02	-3.27E-07	-6.33E+00	0.00E+00	-3.71E+01	-1.54E-03	-3.71E+01	-4.62E+01	-6.33E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03
HST050DR	-1.46E-01	-8.95E-01	-1.54E-02	-9.27E-01	0.00E+00	0.00E+00	-2.47E+01	-1.48E-02	-6.25E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.47E-08	-1.71E-06	-1.29E-02	-1.24E+01	0.00E+00	0.00E+00	-2.06E+01	-5.51E-06	-1.12E+01	0.00E+00	-1.17E-08	-2.68E-07	-1.99E-02	-3.63E-09	-3.54E+00	0.00E+00	-1.12E+01	-4.32E-04	-1.12E+01	-1.40E+01	-3.54E+00	0.00E+00	0.00E+00	0.00E+00	-9.64E+02
HST051DR	-2.16E-01	-8.26E-01	-1.59E-03	-7.88E-01	0.00E+00	0.00E+00	-4.09E+01	-2.22E-02	-8.67E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.52E-06	2.61E-03	-1.46E+01	0.00E+00	0.00E+00	-2.96E+01	-1.36E-05	-1.01E+01	0.00E+00	1.48E-09	-2.96E-07	-2.74E-02	-8.98E-09	-3.16E+00	0.00E+00	-1.01E+01	-6.28E-04	-1.01E+01	-1.28E+01	-3.16E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HST063DR	-1.49E-01	-9.20E-01	-1.53E-02	-9.27E-01	0.00E+00	0.00E+00	-2.59E+01	-1.51E-02	-6.35E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.55E-08	-1.75E-06	-1.45E-02	-1.28E+01	0.00E+00	0.00E+00	-2.15E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.28E-08	-2.79E-07	-2.06E-02	-3.63E-09	-3.60E+00	0.00E+00	-1.13E+01	-4.36E-04	-1.13E+01	-1.43E+01	-3.60E+00	0.00E+00	0.00E+00	0.00E+00	-9.81E+02
HST064DR	-2.16E-01	-8.26E-01	-1.59E-03	-7.88E-01	0.00E+00	0.00E+00	-4.09E+01	-2.22E-02	-8.67E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.52E-06	2.61E-03	-1.46E+01	0.00E+00	0.00E+00	-2.96E+01	-1.36E-05	-1.01E+01	0.00E+00	1.48E-09	-2.96E-07	-2.74E-02	-8.98E-09	-3.16E+00	0.00E+00	-1.01E+01	-6.28E-04	-1.01E+01	-1.28E+01	-3.16E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HST100DR	-1.49E-01	-9.17E-01	-1.53E-02	-9.27E-01	0.00E+00	0.00E+00	-2.59E+01	-1.51E-02	-6.35E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.55E-08	-1.75E-06	-1.45E-02	-1.28E+01	0.00E+00	0.00E+00	-2.15E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.21E-08	-2.79E-07	-2.06E-02	-3.63E-09	-3.60E+00	0.00E+00	-1.13E+01	-4.36E-04	-1.13E+01	-1.43E+01	-3.60E+00	0.00E+00	0.00E+00	0.00E+00	-9.81E+02
HST101DR	-2.16E-01	-8.23E-01	-1.57E-03	-7.88E-01	0.00E+00	0.00E+00	-4.09E+01	-2.22E-02	-8.67E-03	-1.11E-01	0.00E+00	-3.82E-08	-2.48E-08	-2.52E-06	3.03E-03	-1.46E+01	0.00E+00	0.00E+00	-2.96E+01	-1.36E-05	-1.01E+01	0.00E+00	2.49E-09	-2.96E-07	-2.74E-02	-8.98E-09	-3.16E+00	0.00E+00	-1.01E+01	-6.28E-04	-1.01E+01	-1.28E+01	-3.16E+00	0.00E+00	0.00E+00	0.00E+00	-1.26E+03
HST125DR	-1.49E-01	-9.02E-01	-1.48E-02	-9.12E-01	0.00E+00	0.00E+00	-2.59E+01	-1.51E-02	-6.50E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.54E-08	-1.74E-06	-1.45E-02	-1.28E+01	0.00E+00	0.00E+00	-2.16E+01	-5.51E-06	-1.13E+01	0.00E+00	-1.01E-08	-2.76E-07	-2.06E-02	-3.63E-09	-3.61E+00	0.00E+00	-1.13E+01	-4.35E-04	-1.13E+01	-1.42E+01	-3.61E+00	0.00E+00	0.00E+00	0.00E+00	-9.79E+02
HST126DR	-1.67E-01	-7.26E-01	-8.34E-04	-6.96E-01	0.00E+00	0.00E+00	-2.53E+01	-1.76E-02	-6.48E-03	-9.03E-02	0.00E+00	-1.54E-08	-2.29E-08	-2.02E-06	6.67E-03	-1.29E+01	0.00E+00	0.00E+00	-2.15E+01	-5.51E-06	-9.16E+00	0.00E+00	1.08E-08	-2.72E-07	-2.08E-02	-3.63E-09	-3.03E+00	0.00E+00	-9.16E+00	-4.98E-04	-9.16E+00	-1.12E+01	-3.03E+00	0.00E+00	0.00E+00	0.00E+00	-9.90E+02
HST160DR	-1.60E-01	-9.27E-01	-1.52E-02	-9.27E-01	0.00E+00	0.00E+00	-2.66E+01	-1.63E-02	-6.67E-03	-9.27E-02	0.00E+00	-1.54E-08	-2.68E-08	-1.91E-06	-1.29E-02	-1.29E+01	0.00E+00	0.00E+00	-2.15E+01	-5.51E-06	-1.15E+01	0.00E+00	-1.03E-08	-3.07E-07	-2.11E-02	-3.63E-09	-3.61E+00	0.00E+00	-1.15E+01	-4.72E-04	-1.15E+01	-1.45E+01	-3.61E+00	0.00E+00	0.00E+00	0.00E+00	-9.95E+02
HST161DR	-2.25E-01	-7.91E-01	-1.52E-03	-7.88E-01	0.00E+00	0.00E+00	-4.06E+01	-2.33E-02	-9.12E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.59E-08	-2.66E-06	4.49E-03	-1.45E+01	0.00E+00	0.00E+00	-2.91E+01	-1.36E-05	-1.01E+01	0.00E+00	5.43E-09	-3.26E-07	-2.74E-02	-8.98E-09	-3.24E+00	0.00E+00	-1.01E+01	-6.64E-04	-1.01E+01	-1.29E+01	-3.24E+00	0.00E+00	0.00E+00	0.00E+00	-1.25E+03
HST200DR	-1.63E-01	-8.86E-01	-1.31E-02	-8.37E-01	0.00E+00	0.00E+00	-2.66E+01	-1.66E-02	-6.78E-03	-9.27E-02	0.00E+00	-1.54E-08	-2.65E-08	-1.94E-06	-1.36E-02	-1.35E+01	0.00E+00	0.00E+00	-2.20E+01	-5.51E-06	-1.10E+01	0.00E+00	-1.39E-08	-3.02E-07	-2.11E-02	-3.63E-09	-3.46E+00	0.00E+00	-1.10E+01	-4.76E-04	-1.10E+01	-1.43E+01	-3.46E+00	0.00E+00	0.00E+00	0.00E+00	-9.89E+02
HST201DR	-2.26E-01	-7.31E-01	7.27E-04	-6.69E-01	0.00E+00	0.00E+00	-4.05E+01	-2.35E-02	-8.95E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.57E-08	-2.68E-06	4.01E-03	-1.52E+01	0.00E+00	0.00E+00	-2.96E+01	-1.36E-05	-9.58E+00	0.00E+00	4.94E-09	-3.22E-07	-2.74E-02	-8.98E-09	-3.10E+00	0.00E+00	-9.58E+00	-6.67E-04	-9.58E+00	-1.29E+01	-3.10E+00	0.00E+00	0.00E+00	0.00E+00	-1.24E+03
HST250DR	-1.63E-01	-8.30E-01	-1.61E-02	-7.79E-01	0.00E+00	0.00E+00	-2.63E+01	-1.66E-02	-6.70E-03	-9.27E-02	0.00E+00	-1.54E-08	-2.73E-08	-1.95E-06	-1.69E-02	-1.31E+01	0.00E+00	0.00E+00	-2.19E+01	-5.51E-06	-1.02E+01	0.00E+00	2.15E-10	-3.01E-07	-2.14E-02	-3.63E-09	-3.38E+00	0.00E+00	-1.02E+01	-4.79E-04	-1.02E+01	-1.34E+01	-3.38E+00	0.00E+00	0.00E+00	0.00E+00	-9.93E+02
HST251DR	-2.26E-01	-6.84E-01	-1.59E-03	-6.36E-01	0.00E+00	0.00E+00	-4.03E+01	-2.36E-02	-9.07E-03	-1.14E-01	0.00E+00	-3.82E-08	-2.65E-08	-2.69E-06	3.05E-03	-1.46E+01	0.00E+00	0.00E+00	-2.95E+01	-1.36E-05	-9.10E+00	0.00E+00	1.81E-08	-3.20E-07	-2.76E-02	-8.98E-09	-3.09E+00	0.00E+00	-9.10E+00	-6.69E-04	-9.10E+00	-1.24E+01	-3.09E+00	0.00E+00	0.00E+00	0.00E+00	-1.25E+03
HEJ630DE	-5.51E-01	-4.32E+00	-3.91E-02	-4.39E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.77E-06	-6.85E-08	-6.47E-06	-4.82E-02	-5.22E+01	0.00E+00	0.00E+00	-1.04E+02	-6.33E-04	-4.50E+01	0.00E+00	-1.67E-07	-9.53E-07	-9.02E-02	-4.17E-07	-1.08E+01	0.00E+00	-4.50E+01	-1.62E-03	-4.50E+01	-5.63E+01	-1.08E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HEJ631DE	-5.54E-01	-4.57E+00	-2.58E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.36E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.47E-07	-9.72E-07	-9.02E-02	-4.78E-07	-1.00E+01	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-1.00E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HEJ631EE	-5.54E-01	-4.55E+00	-2.30E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.57E-02	-2.97E-01	0.00E+00	-1.99E-06	-6.85E-08	-6.47E-06	3.91E-02	-5.22E+01	0.00E+00	0.00E+00	-1.05E+02	-7.01E-04	-4.43E+01	0.00E+00	-1.49E-07	-9.72E-07	-9.02E-02	-4.65E-07	-9.88E+00	0.00E+00	-4.43E+01	-1.62E-03	-4.43E+01	-5.51E+01	-9.88E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HEJ632DE	-5.54E-01	-4.57E+00	-2.58E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.30E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.47E-07	-9.72E-07	-9.02E-02	-4.78E-07	-1.00E+01	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-1.00E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
HEW630DE	-5.51E-01	-4.31E+00	-3.91E-02	-4.36E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.77E-06	-6.85E-08	-6.47E-06	-4.74E-02	-5.23E+01	0.00E+00	0.00E+00	-1.04E+02	-6.33E-04	-4.50E+01	0.00E+00	-1.67E-07	-9.53E-07	-9.02E-02	-4.17E-07	-1.06E+01	0.00E+00	-4.50E+01	-1.62E-03	-4.50E+01	-5.63E+01	-1.06E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03

	HEW631DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.34E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HEW632DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.29E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HHJ630DE	-5.51E-01	-4.32E+00	-3.91E-02	-4.39E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.77E-06	-6.85E-08	-6.47E-06	-4.82E-02	-5.22E+01	0.00E+00	0.00E+00	-1.04E+02	-6.33E-04	-4.50E+01	0.00E+00	-1.67E-07	-9.53E-07	-9.02E-02	-4.17E-07	-1.08E+01	0.00E+00	-4.50E+01	-1.62E-03	-4.50E+01	-5.63E+01	-1.08E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HHJ631EE	-5.54E-01	-4.55E+00	-2.30E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.57E-02	-2.97E-01	0.00E+00	-1.99E-06	-6.85E-08	-6.47E-06	3.91E-02	-5.22E+01	0.00E+00	0.00E+00	-1.05E+02	-7.01E-04	-4.43E+01	0.00E+00	-1.49E-07	-9.72E-07	-9.02E-02	-4.65E-07	-9.88E+00	0.00E+00	-4.43E+01	-1.62E-03	-4.43E+01	-5.51E+01	-9.88E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HHJ632DE	-5.54E-01	-4.57E+00	-2.58E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.30E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.47E-07	-9.72E-07	-9.02E-02	-4.78E-07	-1.00E+01	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-1.00E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HHW630DE	-5.51E-01	-4.31E+00	-3.91E-02	-4.36E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.77E-06	-6.85E-08	-6.47E-06	-4.74E-02	-5.23E+01	0.00E+00	0.00E+00	-1.04E+02	-6.33E-04	-4.50E+01	0.00E+00	-1.67E-07	-9.53E-07	-9.02E-02	-4.17E-07	-1.06E+01	0.00E+00	-4.50E+01	-1.62E-03	-4.50E+01	-5.63E+01	-1.06E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HHW631DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.34E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HHW632DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.29E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HMJ631DE	-5.54E-01	-4.57E+00	-2.58E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.36E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.47E-07	-9.72E-07	-9.02E-02	-4.78E-07	-1.00E+01	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-1.00E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HMJ631EE	-5.54E-01	-4.55E+00	-2.30E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.57E-02	-2.97E-01	0.00E+00	-1.99E-06	-6.85E-08	-6.47E-06	3.91E-02	-5.22E+01	0.00E+00	0.00E+00	-1.05E+02	-7.01E-04	-4.43E+01	0.00E+00	-1.49E-07	-9.72E-07	-9.02E-02	-4.65E-07	-9.88E+00	0.00E+00	-4.43E+01	-1.62E-03	-4.43E+01	-5.51E+01	-9.88E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HMJ632DE	-5.54E-01	-4.57E+00	-2.58E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.30E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.47E-07	-9.72E-07	-9.02E-02	-4.78E-07	-1.00E+01	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-1.00E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HMW630DE	-5.51E-01	-4.31E+00	-3.91E-02	-4.36E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.77E-06	-6.85E-08	-6.47E-06	-4.74E-02	-5.23E+01	0.00E+00	0.00E+00	-1.04E+02	-6.33E-04	-4.50E+01	0.00E+00	-1.67E-07	-9.53E-07	-9.02E-02	-4.17E-07	-1.06E+01	0.00E+00	-4.50E+01	-1.62E-03	-4.50E+01	-5.63E+01	-1.06E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HMW631DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.34E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HMW632DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.29E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HNJ631EE	-5.54E-01	-4.55E+00	-2.30E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.57E-02	-2.97E-01	0.00E+00	-1.99E-06	-6.85E-08	-6.47E-06	3.91E-02	-5.22E+01	0.00E+00	0.00E+00	-1.05E+02	-7.01E-04	-4.43E+01	0.00E+00	-1.49E-07	-9.72E-07	-9.02E-02	-4.65E-07	-9.88E+00	0.00E+00	-4.43E+01	-1.62E-03	-4.43E+01	-5.51E+01	-9.88E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HNJ632DE	-5.54E-01	-4.57E+00	-2.58E-02	-4.75E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.30E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.47E-07	-9.72E-07	-9.02E-02	-4.78E-07	-1.00E+01	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-1.00E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HNW630DE	-5.51E-01	-4.31E+00	-3.91E-02	-4.36E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.77E-06	-6.85E-08	-6.47E-06	-4.74E-02	-5.23E+01	0.00E+00	0.00E+00	-1.04E+02	-6.33E-04	-4.50E+01	0.00E+00	-1.67E-07	-9.53E-07	-9.02E-02	-4.17E-07	-1.06E+01	0.00E+00	-4.50E+01	-1.62E-03	-4.50E+01	-5.63E+01	-1.06E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HNW631DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.34E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HNW632DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.29E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HPW630DE	-5.51E-01	-4.31E+00	-3.91E-02	-4.36E+00	0.00E+00	0.00E+00	-1.24E+02	-5.55E-02	-2.50E-02	-2.97E-01	0.00E+00	-1.77E-06	-6.85E-08	-6.47E-06	-4.74E-02	-5.23E+01	0.00E+00	0.00E+00	-1.04E+02	-6.33E-04	-4.50E+01	0.00E+00	-1.67E-07	-9.53E-07	-9.02E-02	-4.17E-07	-1.06E+01	0.00E+00	-4.50E+01	-1.62E-03	-4.50E+01	-5.63E+01	-1.06E+01	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HPW631DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.34E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03
	HPW632DE	-5.54E-01	-4.56E+00	-2.58E-02	-4.72E+00	0.00E+00	0.00E+00	-1.25E+02	-5.57E-02	-2.58E-02	-2.97E-01	0.00E+00	-2.03E-06	-6.85E-08	-6.47E-06	4.29E-02	-5.15E+01	0.00E+00	0.00E+00	-1.05E+02	-7.26E-04	-4.47E+01	0.00E+00	-1.48E-07	-9.72E-07	-9.02E-02	-4.78E-07	-9.90E+00	0.00E+00	-4.47E+01	-1.62E-03	-4.47E+01	-5.52E+01	-9.90E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03