

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 mainly 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-GWPI)	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-02
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

Manufacturing
A1-A3

	Addition (PEFAP) - [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-GWPL) - [kg CO2 eq.]	Components for re-use - [kg]	Ecotoxicity, freshwater (PEF-CTUeq) - [CTUeq]	Eutrophication, freshwater (PEF-EPT) - [kg P eq.]	Eutrophication, marine (PEF-EPM) - [mole N eq.]	Eutrophication, terrestrial (PEF-EPT) - [mole N eq.]	Exported energy - [MJ]	Hazardous waste disposed - [kg]	Human toxicity, cancer (PEF-CTUhc) - [CTUhc]	Human toxicity, non-cancer (PEF-CTUhcnc) - [CTUhc]	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-ADP) - [MJ]	Resource use, minerals and metals (PEF-ADPm) - [kg Sn 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.]	
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	2.95E+00	1.18E+02	3.89E-01	1.02E-01	2.59E+00	3.20E+02	1.13E+01	3.61E-06	7.63E-01	6.79E+02	1.15E+03	4.16E+00	3.33E+00	3.31E+03	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	5.94E+00	-1.96E-01	5.94E+00	2.42E-07	0.00E+00	8.94E+02	4.91E-04	9.19E-03	1.91E-01	3.99E-02	1.33E+01	4.38E-07	3.50E-07	2.64E+01	1.12E+00	5.27E-03	2.09E-01	4.71E-02	1.07E+00	1.49E+02	3.62E+00	3.14E-06	3.62E-01	2.88E+02	4.29E-04	2.02E+00	2.12E+00	1.53E+02	2.33E-04	1.53E+02	1.57E+02	4.12E+00	0.00E+00	0.00E+00	0.00E+00	2.02E+00	
HDA014Z	9.64E-02	9.39E+00	-3.64E-02	9.35E+00	6.44E-06	0.00E+00	1.20E+03	4.45E-04	1.01E-02	1.04E-01	8.73E-03	4.03E+01	1.08E-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-01	3.54E+02	5.64E-04	4.26E+00	2.55E+00	1.97E+02	1.08E-03	1.97E+02	2.09E+02	6.49E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	4.32E+00
HDA015Z	9.80E-02	1.02E+01	-6.44E-02	9.75E+00	6.72E-06	0.00E+00	1.33E+03	7.48E-04	1.93E-02	2.02E-01	8.67E-03	2.50E+01	1.15E-06	6.94E-07	4.32E+01	1.14E+00	9.37E-03	4.03E-01	8.00E-02	1.92E+00	2.93E+02	7.88E+00	3.68E-06	5.43E-01	7.01E+02	6.10E-04	3.65E+00	2.72E+00	3.16E+02	5.91E-04	3.16E+02	3.14E+02	8.72E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	3.50E+00
HDA016L	1.06E-01	1.31E+01	-8.13E-02	1.32E+01	2.74E-06	0.00E+00	2.93E+03	8.13E-04	2.48E-02	2.66E-01	8.52E-03	2.87E+01	9.21E-07	8.12E-07	6.49E+01	2.29E+00	1.12E+02	3.96E-01	1.04E-01	2.96E+00	3.93E+02	1.01E+01	3.32E-06	7.95E-01	7.49E+02	1.11E-03	4.35E+00	3.46E+00	5.93E-04	4.35E+02	4.34E+02	5.54E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	4.50E+00	
HDA016Z	1.07E-01	1.29E+01	-7.87E-02	1.30E+01	2.82E-06	0.00E+00	2.98E+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	2.29E+00	1.12E+02	3.96E-01	1.05E-01	2.94E+00	3.93E+02	8.89E+00	3.30E-06	7.88E-01	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-05	4.50E+00
HDA017L	1.34E-01	1.51E+01	-8.55E-02	1.54E+01	2.82E-06	0.00E+00	3.07E+03	1.11E+03	2.73E-02	2.96E-01	1.08E-03	4.03E+01	8.21E-07	1.05E-06	1.06E+02	3.03E+00	1.45E+02	4.87E-01	1.56E-01	2.98E+00	3.99E+02	1.19E+01	3.54E-06	9.78E-01	8.05E-03	1.32E-03	5.52E+00	3.56E+00	4.16E+02	6.69E-04	4.16E+02	4.18E+02	8.42E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	4.64E+00
HDA017Z	1.36E-01	1.48E+01	-8.94E-02	1.49E+01	2.96E-06	0.00E+00	2.98E+03	1.11E+03	2.59E-02	2.85E-01	1.02E-03	3.44E+01	8.58E-07	1.10E-06	9.17E+01	2.94E+00	1.36E+02	4.85E-01	1.41E-01	2.98E+00	3.92E+02	1.05E+01	3.55E-06	9.26E-01	8.15E+02	1.13E-03	5.44E+00	3.65E+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	6.08E-05	4.64E+00
HDA018E	4.77E-02	5.14E+00	-6.87E-03	5.08E+00	2.46E-07	0.00E+00	8.92E+02	3.98E-04	9.14E-03	9.73E-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	4.36E-02	1.07E+00	1.87E+02	3.89E+00	3.12E-06	3.98E-01	2.88E+02	4.46E-04	1.80E+00	2.17E+00	1.71E+02	2.34E-04	1.71E+02	1.88E+02	3.92E+00	0.00E+00	0.00E+00	0.00E+00	1.92E+00	
HDA018Z	9.64E-02	9.39E+00	-3.64E-02	9.35E+00	6.44E-06	0.00E+00	1.20E+03	4.45E-04	1.01E-02	1.04E-01	8.73E-03	4.03E+01	1.08E-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-01	3.54E+02	5.64E-04	4.26E+00	2.55E+00	1.97E+02	1.08E-03	1.97E+02	2.09E+02	6.49E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	4.32E+00
HDA019Z	9.80E-02	1.02E+01	-6.44E-02	9.75E+00	6.72E-06	0.00E+00	1.33E+03	7.48E-04	1.93E-02	2.02E-01	8.67E-03	2.49E+01	1.16E-06	6.93E-07	4.32E+01	1.13E+00	9.36E-03	4.02E-01	7.98E-02	1.92E+00	2.93E+02	7.15E+00	3.68E-06	5.41E-01	7.01E+02	6.11E-04	3.65E+00	2.72E+00	3.16E+02	5.90E-04	3.16E+02	3.14E+02	8.72E+00	0.00E+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	2.56E-06	0.00E+00	2.48E+03	9.29E-04	2.46E-02	2.68E-01	8.21E-03	2.79E+01	9.22E-07	7.51E-07	5.88E+01	2.47E+00	1.10E+02	4.04E-01	9.43E-02	2.48E+00	3.93E+02	1.06E+01	3.32E-06	7.49E-01	7.49E+02	9.90E-04	4.25E+00	3.09E+00	3.46E+02	5.91E-04	3.46E+02	3.48E+02	7.62E+00	0.00E+00	0.00E+00	0.00E+00	4.16E+00	
HDA020Z	1.13E-01	1.34E+01	-7.83E-02	1.36E+01	2.87E-06	0.00E+00	2.41E+03	9.37E-04	2.39E-02	2.59E-01	8.30E-03	3.10E+01	9.07E-07	8.32E-07	6.32E+01	2.62E+00	1.15E+02	3.96E-01	1.06E-01	2.89E+00	3.93E+02	1.06E+01	3.31E-06	8.23E-01	7.27E+02	1.14E-03	4.34E+00	3.29E+00	3.39E+02	5.90E-04	3.39E+02	3.48E+02	7.82E+00	0.00E+00	0.00E+00	0.00E+00	4.63E+00	
HDA021L	1.46E-01	1.58E+01	-8.51E-02	1.61E+01	2.76E-06	0.00E+00	3.11E+03	1.23E-03	2.96E-02	3.09E-01	1.11E-03	4.23E+01	8.25E-07	1.05E-06	1.06E+02	3.03E+00	1.50E+02	4.87E-01	1.56E-01	3.08E+00	3.99E+02	1.28E+01	3.58E-06	1.02E+00	8.86E-03	1.41E-03	5.54E+00	3.56E+00	4.16E+02	6.94E-04	4.16E+02	4.18E+02	8.58E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-05	4.64E+00
HDA021Z	1.48E-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	1.09E-03	3.98E+01	8.51E-07	1.05E-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	3.50E-06	9.90E-01	8.17E+02	1.19E-03	5.45E+00	4.44E+00	4.08E+02	6.92E-04	4.08E+02	4.16E+02	9.98E+00	0.00E+00	0.00E+00	0.00E+00	6.32E+00	
HDA023E	4.75E-02	5.12E+00	-6.89E-03	5.06E+00	2.47E-07	0.00E+00	8.91E+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	1.02E+00	5.22E-03	1.94E-01	4.36E-02	1.07E+00	1.87E+02	3.89E+00	3.12E-06	3.98E-01	2.88E+02	4.46E-04	1.80E+00	2.17E+00	1.71E+02	2.34E-04	1.71E+02	1.88E+02	3.92E+00	0.00E+00	0.00E+00	0.00E+00	1.92E+00	
HDA023Z	9.62E-02	9.38E+00	-3.64E-02	9.32E+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	1.08E-06	8.48E-07	5.92E+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	7.26E-01	3.53E+02	5.64E-04	4.26E+00	2.55E+00	1.97E+02	1.08E-03	1.97E+02	2.09E+02	6.49E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	4.32E+00
HDA024Z	1.05E-01	1.04E+01	-6.34E-02	1.02E+01	6.77E-06	0.00E+00	1.39E+03	7.78E-04	1.92E-02	2.02E-01	8.91E-03	2.69E+01	1.18E-06	6.23E-07	4.57E+01	1.47E+00	8.86E-03	4.02E-01	8.31E-02	1.95E+00	2.93E+02	7.62E+00	3.67E-06	5.74E-01	7.01E+02	6.42E-04	3.70E+00	2.73E+00	3.16E+02	5.91E-04	3.16E+02	3.14E+02	8.72E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	3.65E+00
HDA025L	1.18E-01	1.39E+01	-8.29E-02	1.35E+01	2.58E-06	0.00E+00	2.48E+03	9.29E-04	2.46E-02	2.68E-01	8.21E-03	2.79E+01	9.22E-07	7.51E-07	5.88E+01	2.47E+00	1.10E+02	4.04E-01	9.43E-02	2.48E+00	3.93E+02	1.06E+01	3.32E-06	7.49E-01	7.49E+02	9.90E-04	4.25E+00	3.09E+00	3.46E+02	5.91E-04	3.46E+02	3.48E+02	7.62E+00	0.00E+00	0.00E+00	0.00E+00	4.16E+00	
HDA025U	1.26E-01	1.47E+01	-8.42E-02	1.48E+01	5.22E-06	0.00E+00	2.29E+03	9.42E-04	2.61E-02	2.87E-01	8.90E-03	2.89E+01	1.29E-06	8.79E-07	5.94E+01	2.95E+00	1.20E+02	4.02E-01	1.06E-01	2.89E+00	3.44E+02	1.15E+01	3.69E-06	9.03E-01	7.02E+02	1.22E-03	4.63E+00	3.39E+00	3.36E+02	5.93E-04	3.36E+02	3.64E+02	7.98E+00	0.00E+00	0.00E+00	0.00E+00	4.69E+00	
HDA025Z	1.22E-01	1.40E+01	-8.23E-02	1.40E+01	2.92E-06	0.00E+00	2.25E+03	9.45E-04	2.40E-02	2.81E-01	8.74E-03	3.12E+01	9.07E-07	8.50E-07	6.64E+01	2.66E+00	1.18E+02	3.95E-01	1.11E-01	2.73E+00	3.93E+02	1.12E+01	3.48E-06	8.50E-01	7.27E+02	1.17E-03	4.42E+00	3.33E+00	3.40E+02	5.78E-04	3.40E+02	3.48E+02	7.76E+00	0.00E+00	0.00E+00	0.00E+00	4.75E+00	
HDA026L	1.18E-01	1.69E+01	-8.52E-02	1.67E+01	3.04E-06	0.00E+00	3.34E+03	1.26E-03	2.77E-02	3.02E-01	1.18E-03	4.30E+01	8.28E-07	1.05E-06	1.06E+02	3.96E+00	1.60E+02	4.80E-01	1.51E-01	3.18E+00	4.07E+02	1.34E+01	3.69E-06	1.06E+00	8.97E+02	1.46E-03	5.53E+00	4.45E+00	4.19E+02	7.56E-04	4.19E+02	4.30E+02	1.02E+01	0.00E+00	0.00E+00	0.00E+00	6.48E+00	
HDA026U	1.56E-01	1.81E+01	-8.00E-02	1.82E+01	5.24E-06	0.00E+00	3.34E+03	1.22E-03	2.64E-02	2.91E-01	1.19E-03	4.02E+01	8.15E-07	1.05E-06	1.02E+02	3.84E+00	1.50E+02	4.80E-01	1.45E-01	2.98E+00	3.92E+02	1.25E+01	3.78E-06	1.02E+00	8.20E+02	1.29E-03	5.45E+00	4.46E+00	4.08E+02	7.07E-04	4.08E+02	4.10E+02	1.03E+01	0.00E+00	0.00E+00	0.00E+00	6.37E+00	
HDA0																																						

HDA123Z	1.00E-01	8.95E-02	3.56E-02	8.05E-02	6.52E-02	0.01E-00	1.37E-01	4.74E-01	9.88E-03	1.01E-01	8.99E-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	3.78E-00	7.81E-01	3.45E-02	8.19E-04	4.34E-01	2.55E-00	1.34E-00	1.09E-03	1.94E-02	2.08E-02	6.69E-00	0.00E-00	0.00E-00	6.58E-05	4.38E-00	
HDA125L	1.18E-01	1.27E-01	4.65E-02	1.25E-01	2.66E-00	0.00E-00	2.94E-03	3.45E-04	2.22E-02	2.42E-01	8.42E-03	3.33E-01	5.68E-07	7.48E-07	6.92E-01	2.89E-00	1.13E-02	4.04E-01	1.02E-01	2.37E-00	3.22E-02	1.14E-01	3.55E-00	7.32E-01	6.74E-02	1.00E-03	4.17E-00	3.11E-00	3.34E-00	5.23E-04	3.34E-02	3.43E-02	7.52E-00	0.00E-00	0.00E-00	0.00E-00	4.41E-00	
HDA125U	1.22E-01	1.28E-01	4.85E-02	1.27E-01	5.18E-00	0.00E-00	2.27E-03	3.55E-04	2.10E-02	2.31E-01	8.84E-03	3.43E-01	4.16E-07	8.21E-07	8.03E-01	2.83E-00	1.20E-02	3.95E-01	1.15E-01	2.09E-00	3.15E-02	1.13E-01	3.65E-00	6.99E-01	6.55E-02	1.16E-03	4.24E-00	3.34E-00	3.26E-00	6.03E-04	3.26E-02	3.33E-02	7.54E-00	0.00E-00	0.00E-00	0.00E-00	4.95E-00	
HDA125Z	1.21E-01	1.25E-01	4.63E-02	1.25E-01	2.92E-00	0.00E-00	2.24E-03	3.45E-04	2.04E-02	2.30E-01	8.73E-03	3.43E-01	4.56E-07	8.17E-07	8.02E-01	2.82E-00	1.16E-02	3.95E-01	1.15E-01	2.46E-00	3.11E-02	1.13E-01	3.29E-00	8.04E-01	6.51E-02	1.15E-03	4.15E-00	3.32E-00	3.23E-00	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	1.87E-01	4.08E-02	1.68E-01	3.08E-00	0.00E-00	1.19E-03	1.28E-03	2.81E-02	2.01E-02	3.09E-01	1.19E-03	4.83E-01	5.99E-07	1.08E-00	8.75E-02	6.11E-02	5.58E-00	1.08E-00	3.27E-00	4.43E-02	1.50E-01	3.66E-00	1.08E-00	8.75E-02	6.11E-02	5.58E-00	1.44E-00	4.28E-00	3.30E-00	4.29E-02	4.39E-02	4.39E-02	1.07E-01	0.00E-00	0.00E-00	0.00E-00	6.54E-00
HDA126U	1.55E-01	1.59E-01	4.42E-02	1.55E-01	7.75E-00	0.00E-00	3.00E-03	1.18E-03	2.71E-02	2.32E-01	1.22E-02	5.04E-01	7.39E-07	1.25E-00	1.13E-00	3.52E-00	1.65E-02	4.90E-01	1.63E-01	3.31E-00	3.70E-02	1.44E-01	4.08E-00	1.09E-00	8.72E-02	1.43E-03	6.38E-00	4.57E-00	3.91E-00	1.00E-03	3.91E-02	4.05E-02	1.08E-01	0.00E-00	0.00E-00	0.00E-00	7.17E-00	
HDA126Z	1.56E-01	1.81E-01	3.81E-02	1.60E-01	8.12E-00	0.00E-00	3.00E-03	1.18E-03	2.71E-02	2.32E-01	1.22E-02	5.04E-01	9.91E-07	1.25E-00	1.13E-00	3.52E-00	1.66E-02	4.91E-01	1.63E-01	3.20E-00	3.73E-02	1.45E-01	4.08E-00	1.07E-00	8.72E-02	1.39E-03	6.43E-00	4.64E-00	3.98E-00	1.26E-03	3.99E-02	4.05E-02	1.16E-01	0.00E-00	0.00E-00	0.00E-00	7.16E-00	
HDA160L	1.23E-01	1.29E-01	4.81E-02	1.30E-01	2.91E-00	0.00E-00	2.87E-03	3.74E-04	2.14E-02	2.33E-01	9.05E-03	3.55E-01	4.14E-07	8.26E-07	8.09E-01	2.88E-00	1.23E-02	4.07E-01	1.15E-01	2.40E-00	3.24E-02	1.15E-01	3.30E-00	6.12E-01	6.89E-02	1.13E-03	4.37E-00	3.23E-00	4.89E-04	3.36E-02	3.43E-02	7.62E-00	0.00E-00	0.00E-00	0.00E-00	4.96E-00		
HDA160U	1.22E-01	1.26E-01	4.55E-02	1.27E-01	5.18E-00	0.00E-00	2.27E-03	3.67E-04	2.10E-02	2.31E-01	8.67E-03	3.65E-01	4.17E-07	8.24E-07	8.09E-01	2.88E-00	1.17E-02	3.97E-01	1.15E-01	2.47E-00	3.15E-02	1.15E-01	3.62E-00	6.04E-01	6.54E-02	1.17E-03	4.30E-00	3.21E-00	3.26E-00	4.89E-04	3.26E-02	3.34E-02	7.58E-00	0.00E-00	0.00E-00	0.00E-00	4.91E-00	
HDA160Z	1.15E-01	1.28E-01	4.30E-02	1.26E-01	2.96E-00	0.00E-00	2.26E-03	3.66E-04	2.15E-02	2.33E-01	8.64E-03	3.52E-01	4.14E-07	8.25E-07	8.17E-01	2.89E-00	1.17E-02	3.97E-01	1.14E-01	2.40E-00	3.15E-02	1.15E-01	3.62E-00	7.77E-01	6.60E-02	1.13E-03	4.20E-00	3.22E-00	3.26E-00	5.11E-04	3.26E-02	3.35E-02	7.44E-00	0.00E-00	0.00E-00	0.00E-00	4.92E-00	
HDA161L	1.93E-01	1.95E-01	1.42E-01	1.60E-01	3.05E-00	0.00E-00	3.55E-03	1.30E-03	2.79E-02	3.02E-01	1.13E-02	4.94E-01	5.15E-07	1.05E-00	1.07E-00	3.77E-00	1.53E-02	4.80E-01	1.47E-01	2.89E-00	3.99E-02	1.19E-01	3.55E-00	1.02E-00	8.95E-02	1.22E-03	5.55E-00	4.29E-00	4.01E-00	6.55E-04	4.01E-02	4.15E-02	9.92E-00	0.00E-00	0.00E-00	0.00E-00	6.33E-00	
HDA161U	1.58E-01	1.58E-01	3.84E-02	1.55E-01	7.75E-00	0.00E-00	3.02E-03	1.18E-03	2.70E-02	2.32E-01	1.21E-02	5.05E-01	8.65E-07	1.25E-00	1.15E-00	3.91E-00	1.65E-02	4.80E-01	1.65E-01	3.22E-00	3.87E-02	1.44E-01	4.08E-00	1.09E-00	8.71E-02	1.43E-03	6.41E-00	4.65E-00	3.96E-00	3.89E-04	3.85E-02	4.01E-02	1.07E-01	0.00E-00	0.00E-00	0.00E-00	7.18E-00	
HDA161Z	1.50E-01	1.57E-01	3.18E-02	1.55E-01	8.02E-00	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-00	8.92E-01	3.80E-00	1.44E-02	4.52E-01	1.52E-01	2.82E-00	3.43E-02	1.40E-01	4.02E-00	1.02E-00	8.25E-02	1.11E-03	5.61E-00	3.16E-00	3.71E-00	1.18E-03	3.71E-02	3.75E-02	9.07E-00	0.00E-00	0.00E-00	0.00E-00	6.64E-00	
HDS014EC	4.97E-00	6.99E-00	4.83E-02	6.26E-01	4.97E-00	0.00E-00	4.18E-03	1.30E-03	1.95E-02	3.76E-01	1.46E-02	6.30E-01	5.95E-07	1.24E-00	1.14E-00	3.93E-00	1.61E-02	5.49E-01	1.52E-01	2.89E-00	3.97E-02	1.41E-01	3.54E-00	1.04E-00	8.75E-02	1.13E-03	4.20E-00	3.22E-00	3.26E-00	5.11E-04	3.26E-02	3.35E-02	7.44E-00	0.00E-00	0.00E-00	0.00E-00	6.54E-00	
HDS018EC	4.94E-00	6.94E-00	4.83E-02	6.24E-01	4.97E-00	0.00E-00	4.14E-03	1.33E-03	1.94E-02	3.75E-01	1.45E-02	6.29E-01	5.99E-07	1.24E-00	1.10E-00	3.84E-00	1.62E-02	5.49E-01	1.52E-01	2.89E-00	3.97E-02	1.41E-01	3.54E-00	1.04E-00	8.75E-02	1.13E-03	4.20E-00	3.22E-00	3.26E-00	5.11E-04	3.26E-02	3.35E-02	7.42E-00	0.00E-00	0.00E-00	0.00E-00	6.54E-00	
HDS023EC	4.93E-00	6.93E-00	4.82E-02	6.25E-01	4.97E-00	0.00E-00	4.14E-03	1.34E-03	1.93E-02	3.74E-01	1.45E-02	6.29E-01	5.99E-07	1.24E-00	1.10E-00	3.84E-00	1.62E-02	5.49E-01	1.52E-01	2.89E-00	3.97E-02	1.41E-01	3.54E-00	1.04E-00	8.75E-02	1.13E-03	4.20E-00	3.22E-00	3.26E-00	5.11E-04	3.26E-02	3.35E-02	7.42E-00	0.00E-00	0.00E-00	0.00E-00	6.54E-00	
HDS030EC	4.97E-00	6.99E-00	4.83E-02	6.26E-01	4.97E-00	0.00E-00	4.18E-03	1.30E-03	1.95E-02	3.76E-01	1.46E-02	6.30E-01	5.95E-07	1.24E-00	1.14E-00	3.93E-00	1.61E-02	5.49E-01	1.52E-01	2.89E-00	3.97E-02	1.41E-01	3.54E-00	1.04E-00	8.75E-02	1.13E-03	4.20E-00	3.22E-00	3.26E-00	5.11E-04	3.26E-02	3.35E-02	7.44E-00	0.00E-00	0.00E-00	0.00E-00	6.54E-00	
HDS038EC	4.65E-00	5.87E-00	3.20E-02	6.02E-01	4.36E-00	0.00E-00	1.43E-03	4.37E-04	1.04E-02	9.89E-02	4.18E-03	1.33E-01	5.99E-07	3.57E-07	3.04E-01	1.01E+00	5.41E-03	2.06E-01	4.70E-02	1.14E-00	1.75E-02	4.91E-00	3.24E-00	3.55E-01	2.94E-02	4.47E-04	2.03E-00	2.28E-00	1.77E-00	2.49E-04	1.78E-02	1.95E-02	4.33E-00	0.00E-00	0.00E-00	0.00E-00	6.18E-00	
HDS049EC	4.65E-00	5.87E-00	3.20E-02	6.02E-01	4.36E-00	0.00E-00	1.43E-03	4.37E-04	1.04E-02	9.89E-02	4.18E-03	1.33E-01	5.99E-07	3.57E-07	3.04E-01	1.01E+00	5.41E-03	2.06E-01	4.70E-02	1.14E-00	1.75E-02	4.91E-00	3.24E-00	3.55E-01	2.94E-02	4.47E-04	2.03E-00	2.28E-00	1.77E-00	2.49E-04	1.78E-02	1.95E-02	4.33E-00	0.00E-00	0.00E-00	0.00E-00	6.18E-00	
HDS061EC	4.85E-00	5.89E-00	3.20E-02	6.02E-01	4.36E-00	0.00E-00	1.43E-03	4.37E-04	1.02E-02	9.57E-02	4.19E-03	1.33E-01	6.07E-07	3.58E-07	2.72E-01	9.92E-01	5.41E-03	1.94E-01	4.50E-02	1.15E-00	1.89E-02	4.20E-00	3.19E-00	3.27E-01	2.92E-02	4.53E-04	1.96E-00	2.27E-00	1.74E-00	2.03E-04	1.74E-02	1.92E-02	4.24E-00	0.00E-00	0.00E-00	0.00E-00	6.19E-00	
HDS078EC	4.60E-00	5.79E-00	3.24E-02	6.03E-01	4.36E-00	0.00E-00	1.44E-03	4.10E-04	1.01E-02	9.43E-02	4.09E-03	1.33E-01	6.03E-07	3.37E-07	2.73E-01	9.92E-01	5.40E-03	1.94E-01	4.48E-02	1.12E-00	1.88E-02	4.20E-00	3.20E-00	3.27E-01	2.78E-02	4.51E-04	1.91E-00	2.27E-00	1.73E-00	2.00E-04	1.73E-02	1.91E-02	4.21E-00	0.00E-00	0.00E-00	0.00E-00	6.18E-00	
HDS088EC	5.44E-00	6.18E-00	2.71E-02	6.35E-01	4.42E-00	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	6.71E-03	1.94E-01	4.77E-02	1.21E-00	1.89E-02	4.89E-00	3.20E-00	3.55E-01	2.78E-02	4.86E-04	1.93E-00	2.27E-00	1.73E-00	2.15E-04	1.73E-02	1.91E-02	4.32E-00	0.00E-00	0.00E-00	0.00E-00	6.18E-00	
HDS123EC	6.17E-00	6.98E-00	2.19E-02	6.78E-01	4.78E-00	0.00E-00	1.56E-03	4.87E-04	1.43E-01	1.03E-02	3.96E-02	4.57E-03	1.43E-01	6.03E-07	3.71E-07	3.21E-01	1.31E-00	6.92E-03	1.94E-01	5.18E-02	1.26E-00	3.88E-01	3.83E-02	4.08E-00	3.26E-00	3.48E-00	2.08E-00	2.28E-00	1.74E-00	2.55E-04	1.74E-02	1.92E-02	4.48E-00	0.00E-00	0.00E-00	0.00E-00	6.16E-00	
HEJ250DR	4.57E-01	3.84E-01	3.54E-02	3.87E-01	1.06E-04	0.00E-00	7.98E-03	1.95E-03	4.24E-02	4.57E-01	4.95E-02	2.15E-02	9.78E-06	4.01E-00	3.68E-02	6.13E-00	6.67E-02	1.07E-00	5.01E-01	1.54E-01	7.93E-02	2.71E-01	8.67E-00	3.34E-00	1.96E-01	6.50E-03	2.17E-01	1.19E-01	8.28E-02	1.45E-02	8.28E-02	8.51E-02	3.32E-01	0.00E-00	0.00E-00	0.00E-00	5.59E-04	2.12E-01
HEJ251DR	5.65E-01	4.78E-01	1.11E-01	4.74E-01	1.45E-04	0.00E-00	1.21E-04	2.72E-03	5.30E-02	5.68E-01	6.09E-02	2.73E-02	9.85E-06	4.97E-00	4.54E-02	8.20E-00	8.17E-02	1.29E-00	6.18E-01	1.87E-01	9.70E-03	3.48E-01	1.00E-00	4.96E-00	1.02E-01	7.99E-03	2.66E-01	1.34E-01	1.00E-00	1.77E-02	1.00E-03	1.04E-03						

HHA064Z	1.84E-01	1.84E-01	2.34E-02	1.81E-01	8.31E-06	0.00E+00	2.02E-03	1.18E-03	2.71E-02	2.34E-01	1.21E-02	4.87E-01	1.28E-06	1.28E-06	1.15E-02	3.53E-04	1.86E-02	4.91E-01	1.87E-01	3.33E-03	3.74E-02	1.48E-01	4.08E-06	1.09E-06	8.83E-02	1.30E-03	6.36E-01	4.65E-01	3.98E-02	1.28E-03	3.98E-02	4.05E-02	1.11E-01	0.00E+00	0.00E+00	3.34E-05	7.22E-04
HHA078Z	8.02E-02	9.07E-02	3.56E-02	8.80E-02	6.44E-08	0.00E+00	1.20E-03	1.42E-04	1.01E-02	1.03E-01	8.74E-02	4.03E-01	8.43E-07	8.48E-07	5.93E-01	1.07E-04	1.24E-02	2.42E-01	1.01E-01	1.72E-04	1.72E-02	8.87E-04	3.84E-06	7.16E-07	3.48E-02	5.65E-04	4.26E-01	2.55E-04	1.03E-02	1.07E-03	1.93E-02	2.05E-02	6.44E-02	0.00E+00	0.00E+00	8.58E-05	4.25E-04
HHA080H	1.14E-01	1.33E-01	8.84E-02	1.31E-01	5.02E-06	0.00E+00	2.82E-03	3.93E-04	2.40E-02	2.63E-01	8.42E-03	2.37E-01	1.28E-06	7.84E-07	5.58E-01	2.48E-01	1.13E-01	4.00E-01	9.62E-02	2.54E-02	3.30E-02	1.13E-01	3.55E-06	7.31E-07	7.20E-02	1.00E-01	1.15E-01	3.11E-04	3.41E-02	4.87E-04	3.41E-02	1.48E-02	7.50E-02	0.00E+00	0.00E+00	0.00E+00	4.18E-04
HHA080U	1.18E-01	1.35E-01	8.85E-02	1.35E-01	5.22E-06	0.00E+00	2.28E-03	9.42E-04	2.34E-02	2.37E-01	8.89E-03	2.69E-01	1.28E-06	8.72E-07	5.93E-01	2.52E-01	1.17E-01	3.99E-01	1.06E-01	2.78E-02	3.62E-02	1.15E-01	3.61E-06	8.05E-07	7.14E-02	1.15E-01	4.23E-04	3.32E-04	3.37E-02	4.86E-04	3.37E-02	3.44E-02	7.50E-02	0.00E+00	0.00E+00	0.00E+00	4.57E-04
HHA080Z	1.31E-01	1.50E-01	7.44E-02	1.37E-01	9.87E-06	0.00E+00	2.24E-03	1.02E-03	2.21E-02	2.34E-01	9.43E-03	3.93E-01	1.28E-06	7.07E-07	5.93E-01	2.52E-01	1.17E-01	4.00E-01	1.18E-01	2.81E-02	3.18E-02	1.14E-01	3.92E-06	8.58E-07	7.20E-02	1.15E-01	4.23E-04	3.32E-04	3.37E-02	4.86E-04	3.37E-02	3.44E-02	7.50E-02	0.00E+00	0.00E+00	0.00E+00	3.50E-04
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	2.79E-02	3.02E-01	1.06E-02	3.79E-01	1.24E-06	1.11E-06	1.02E-04	3.32E-01	1.44E-02	4.90E-01	1.43E-01	2.89E-02	4.02E-02	1.37E-01	3.90E-06	9.18E-07	8.89E-02	1.25E-03	5.72E-02	3.41E-04	4.16E-02	6.13E-04	1.16E-02	4.23E-02	8.53E-02	0.00E+00	0.00E+00	0.00E+00	6.18E-04
HHA081U	1.51E-01	1.68E-01	1.24E-01	1.61E-01	5.31E-06	0.00E+00	3.35E-03	1.22E-03	2.69E-02	2.88E-01	1.10E-02	3.80E-01	1.35E-06	1.13E-06	1.01E-04	3.41E-01	1.48E-02	4.78E-01	1.45E-01	2.90E-02	3.91E-02	1.34E-01	3.95E-06	9.82E-07	8.16E-02	1.21E-03	5.55E-02	4.45E-04	4.00E-02	6.71E-04	4.08E-02	1.45E-02	9.52E-02	0.00E+00	0.00E+00	0.00E+00	6.22E-04
HHA081Z	1.55E-01	1.69E-01	8.36E-02	1.58E-01	8.31E-06	0.00E+00	3.22E-03	1.18E-03	2.69E-02	2.82E-01	1.19E-02	4.27E-01	1.03E-06	1.25E-06	1.14E-04	3.32E-01	1.63E-02	4.84E-01	1.45E-01	2.90E-02	4.02E-02	1.36E-01	4.06E-06	1.07E-06	8.87E-02	1.21E-03	6.34E-02	4.65E-04	3.90E-02	1.28E-03	3.90E-02	3.98E-02	1.11E-01	0.00E+00	0.00E+00	0.00E+00	7.12E-04
HHA082H	1.56E-01	1.67E-01	1.01E-01	1.64E-01	5.58E-06	0.00E+00	3.10E-03	1.24E-03	2.75E-02	3.02E-01	1.14E-02	4.21E-01	1.24E-06	1.15E-06	1.05E-04	3.45E-01	1.54E-02	4.93E-01	1.47E-01	3.02E-02	4.08E-02	1.41E-01	3.95E-06	1.05E-06	8.70E-02	1.47E-03	5.65E-02	3.57E-04	4.18E-02	6.03E-04	1.14E-02	4.23E-02	8.53E-02	0.00E+00	0.00E+00	0.00E+00	6.35E-04
HHA082Z	9.87E-02	9.43E-02	3.56E-02	9.30E-02	6.46E-08	0.00E+00	1.26E-03	1.48E-04	1.01E-02	1.01E-01	8.92E-02	4.18E-01	8.43E-07	8.47E-07	5.93E-01	1.07E-04	1.24E-02	2.42E-01	1.01E-01	1.81E-04	1.72E-02	8.87E-04	3.84E-06	7.43E-07	3.48E-02	5.65E-04	4.26E-01	2.55E-04	1.03E-02	1.07E-03	1.93E-02	2.05E-02	6.44E-02	0.00E+00	0.00E+00	0.00E+00	4.18E-04
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	2.35E-02	2.45E-01	9.12E-03	2.69E-01	1.28E-06	8.71E-07	5.93E-01	2.59E-01	1.24E-02	3.99E-01	1.04E-01	2.84E-02	3.16E-02	1.19E-01	3.62E-06	7.74E-07	6.93E-02	1.15E-03	4.27E-02	3.55E-04	3.43E-02	5.37E-04	3.43E-02	3.51E-02	7.62E-02	0.00E+00	0.00E+00	0.00E+00	4.44E-04
HHA100U	1.13E-01	1.30E-01	8.31E-02	1.31E-01	5.22E-06	0.00E+00	2.28E-03	9.42E-04	2.21E-02	2.43E-01	8.83E-03	2.69E-01	1.28E-06	8.64E-07	5.93E-01	2.59E-01	1.17E-01	3.99E-01	1.02E-01	2.89E-02	3.16E-02	1.15E-01	3.61E-06	7.61E-07	6.77E-02	1.14E-03	4.15E-02	3.31E-04	3.30E-02	5.37E-04	3.30E-02	3.37E-02	7.48E-02	0.00E+00	0.00E+00	0.00E+00	4.38E-04
HHA100Z	1.20E-01	1.29E-01	1.34E-02	1.27E-01	7.82E-06	0.00E+00	3.24E-03	9.25E-04	2.13E-02	2.24E-01	9.48E-03	4.20E-01	1.28E-06	9.92E-07	5.93E-01	2.62E-01	1.30E-01	4.18E-01	1.20E-01	2.84E-02	3.14E-02	1.21E-01	3.96E-06	8.45E-07	8.05E-02	1.15E-03	4.62E-02	4.08E-04	3.36E-02	1.16E-03	3.36E-02	3.45E-02	9.82E-02	0.00E+00	0.00E+00	0.00E+00	5.25E-04
HHA101H	1.44E-01	1.60E-01	1.05E-01	1.63E-01	5.77E-06	0.00E+00	3.06E-03	1.25E-03	2.76E-02	3.04E-01	1.12E-02	4.30E-01	1.07E-06	1.16E-06	1.05E-04	3.46E-01	1.51E-02	4.95E-01	1.52E-01	2.87E-02	3.90E-02	1.24E-01	4.03E-06	9.71E-07	8.47E-02	1.20E-03	5.45E-02	4.27E-04	4.02E-02	7.21E-04	4.02E-02	4.14E-02	8.07E-02	0.00E+00	0.00E+00	0.00E+00	5.68E-04
HHA101U	1.53E-01	1.59E-01	8.19E-02	1.55E-01	7.98E-06	0.00E+00	3.02E-03	1.18E-03	2.68E-02	2.89E-01	1.19E-02	4.39E-01	1.07E-06	1.25E-06	1.14E-04	3.47E-01	1.61E-02	4.74E-01	1.43E-01	2.82E-02	3.81E-02	1.19E-01	4.08E-06	1.05E-06	8.98E-02	1.19E-03	6.36E-02	4.57E-04	3.80E-02	9.90E-04	3.80E-02	3.95E-02	1.07E-01	0.00E+00	0.00E+00	0.00E+00	7.08E-04
HHA101Z	1.58E-01	1.57E-01	1.36E-02	1.57E-01	8.31E-06	0.00E+00	3.02E-03	1.18E-03	2.68E-02	2.96E-01	1.19E-02	4.39E-01	1.05E-06	1.26E-06	1.14E-04	3.51E-01	1.63E-02	4.75E-01	1.45E-01	2.84E-02	3.84E-02	1.20E-01	4.08E-06	1.07E-06	8.81E-02	1.21E-03	6.42E-02	4.67E-04	3.84E-02	1.24E-03	3.84E-02	3.95E-02	1.16E-01	0.00E+00	0.00E+00	0.00E+00	7.11E-04
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-04	3.51E-01	1.44E-02	4.86E-01	1.43E-01	2.91E-02	3.98E-02	1.37E-01	3.84E-06	9.28E-07	8.87E-02	1.23E-03	5.70E-02	3.46E-04	4.11E-02	7.76E-04	4.11E-02	4.19E-02	8.53E-02	0.00E+00	0.00E+00	0.00E+00	6.20E-04
HHA123Z	1.00E-01	9.85E-02	3.55E-02	9.85E-02	6.52E-06	0.00E+00	1.17E-03	1.47E-04	9.88E-03	1.01E-01	8.98E-02	4.12E-01	5.94E-07	8.62E-07	6.29E-01	1.14E-01	1.27E-02	2.42E-01	1.04E-01	1.94E-04	1.72E-02	8.07E-04	3.76E-06	7.61E-07	3.45E-02	5.16E-04	3.94E-02	2.56E-04	1.94E-02	1.02E-03	1.94E-02	2.28E-02	6.92E-02	0.00E+00	0.00E+00	0.00E+00	4.35E-04
HHA125H	1.24E-01	1.39E-01	8.93E-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	3.93E-01	1.28E-06	8.07E-07	5.93E-01	2.62E-01	1.26E-02	4.06E-01	1.16E-01	2.81E-02	3.29E-02	1.19E-01	3.65E-06	8.20E-07	6.88E-02	1.16E-03	4.35E-02	3.36E-04	3.38E-02	6.03E-04	3.38E-02	3.45E-02	7.71E-02	0.00E+00	0.00E+00	0.00E+00	5.08E-04
HHA125U	1.22E-01	1.29E-01	8.50E-02	1.28E-01	5.15E-06	0.00E+00	2.27E-03	9.55E-04	2.10E-02	2.31E-01	8.79E-03	3.93E-01	1.28E-06	8.20E-07	5.93E-01	2.62E-01	1.18E-02	3.95E-01	1.15E-01	2.89E-02	3.19E-02	1.15E-01	3.65E-06	8.07E-07	6.93E-02	1.15E-03	4.22E-02	3.32E-04	3.24E-02	6.03E-04	3.24E-02	3.32E-02	7.55E-02	0.00E+00	0.00E+00	0.00E+00	4.94E-04
HHA125Z	1.30E-01	1.29E-01	1.44E-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	1.28E-06	9.26E-07	7.78E-01	2.81E-01	1.31E-01	4.17E-01	1.26E-01	2.87E-02	3.17E-02	1.15E-01	3.97E-06	8.53E-07	6.95E-02	1.05E-03	4.90E-04	3.13E-04	3.38E-02	1.16E-03	3.38E-02	1.48E-02	8.74E-02	0.00E+00	0.00E+00	0.00E+00	5.28E-04
HHA126H	1.64E-01	1.69E-01	8.05E-02	1.70E-01	5.32E-06	0.00E+00	3.02E-03	1.28E-03	2.83E-02	3.11E-01	1.19E-02	4.39E-01	1.07E-06	1.16E-06	1.07E-04	3.62E-01	1.62E-02	5.15E-01	1.53E-01	3.30E-02	4.17E-02	1.45E-01	4.02E-06	1.06E-06	8.79E-02	1.51E-03	5.77E-04	4.49E-04	4.32E-02	8.92E-04	4.32E-02	4.43E-02	1.02E-01	0.00E+00	0.00E+00	0.00E+00	6.58E-04
HHA126U	1.44E-01	1.60E-01	1.05E-01	1.63E-01	5.77E-06	0.00E+00	3.06E-03	1.25E-03	2.76E-02	3.04E-01	1.12E-02	4.30E-01	1.07E-06	1.16E-06	1.05E-04	3.46E-01	1.51E-02	4.95E-01	1.52E-01	2.87E-02	3.90E-02	1.24E-01	4.03E-06	9.71E-07	8.47E-02	1.20E-03	5.45E-02	4.27E-04	4.02E-02	7.21E-04	4.02E-02	4.14E-02	8.07E-02	0.00E+00	0.00E+00	0.00E+00	5.68E-04
HHA126Z	1.53E-01	1.61E-01	8.19E-02	1.61E-01	8.31E-06	0.00E+00	3.02E-03	1.18E-03	2.74E-02	2.89E-01	1.19E-02	4.39E-01	1.07E-06	1.25E-06	1.14E-04	3.47E-01	1.61E-02	4.74E-01	1.43E-01	2.82E-02	3.81E-02	1.19E-01	4.08E-06	1.05E-06	8.98E-02	1.19E-03	6.36E-02	4.57E-04	3.80E-02	9.90E-04	3.80E-02	3.95E-02	1.07E-01	0.00E+00	0.00E+00	0.00E+00	7.08E-04
HHA127H	1.56E-01	1.67E-01	1.01E-02	1.68E-01	5.81E-06	0.00E+00	3.37E-03	1.24E-03	2.75E-02	3.03E-01	1.15E-02	4.27E-01	9.91E-07	1.15E-06	1.06E-04	3.52E-01	1.55E-02	4.93E-01	1.51E-01	3.23E-02	4.04E-02	1.43E-01	3.95E-06	1.07E-06	8.79E-02	1.47E-03	5.72E-02	3.95E-04	4.19E-02	6.89E-04	4.19E-02	4.25E-02	8.74E-02	0.			

HH5030EC	4.96E-02	6.97E+00	-1.01E-01	6.24E-02	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	4.94E+00	3.23E-06	5.53E-01	2.95E+02	4.49E-04	2.05E+00	2.27E+00	1.78E+00	2.47E-04	1.78E+02	1.95E+02	4.33E+00	0.00E+00	0.00E+00	6.16E-06	2.04E+00
HH5038EC	4.87E-02	5.99E+00	-1.05E-01	6.01E+00	1.35E-06	0.00E+00	1.43E+03	4.34E-04	1.02E-02	9.93E-02	4.09E-03	1.12E+01	6.00E-07	3.55E-07	2.72E+01	9.48E-01	5.41E-03	1.93E-01	4.40E-02	1.17E+00	1.69E+02	4.23E+00	3.19E-06	5.30E-01	2.83E+02	4.55E-04	1.97E+00	2.26E+00	1.74E+00	1.93E-04	1.74E+02	1.92E+02	4.27E+00	0.00E+00	0.00E+00	6.16E-06	1.90E+00
HH5040BC	1.16E-01	1.13E+01	-1.86E-01	1.13E+01	2.83E-05	0.00E+00	3.91E+03	8.33E-04	1.09E-02	1.08E-01	1.09E+02	4.14E+01	4.62E-07	7.61E-07	6.64E+01	1.92E+00	1.40E+00	2.67E-01	1.04E-01	3.14E+00	2.21E+02	1.07E+01	3.55E-06	6.59E-01	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	2.06E-04	4.54E+00
HH5040DC	1.16E-01	1.12E+01	-1.83E-01	1.15E+01	2.83E-05	0.00E+00	3.99E+03	8.33E-04	1.09E-02	1.05E-01	1.09E+02	4.19E+01	4.62E-07	7.66E-07	6.61E+01	1.94E+00	1.40E+00	2.68E-01	1.05E-01	3.15E+00	2.22E+02	1.07E+01	3.55E-06	6.59E-01	3.95E+02	1.29E+03	5.55E+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	4.54E+00
HH5040DR	1.25E-01	1.53E+01	-1.05E-01	1.51E+01	1.43E-05	0.00E+00	1.19E+04	1.00E-03	2.00E-02	2.11E-01	1.19E+02	4.83E+01	6.25E-07	1.07E-06	8.06E+01	2.70E+00	1.68E+00	3.40E-01	1.31E-01	2.71E+00	3.48E+02	1.22E+01	4.02E-06	1.02E+00	7.40E+02	1.45E+03	1.29E+03	5.96E+00	6.62E+00	3.97E+02	1.14E+03	3.76E+02	1.06E+01	0.00E+00	0.00E+00	1.31E-04	5.95E+00
HH5041BC	1.20E-01	1.12E+01	-1.97E-01	1.14E+01	6.51E-05	0.00E+00	4.15E+03	6.66E-04	1.25E-02	1.26E-01	1.27E+02	5.32E+01	4.16E-07	9.78E-07	9.51E+01	1.98E+00	1.68E+00	3.77E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.67E-06	6.80E-01	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
HH5041DC	1.17E-01	1.13E+01	-1.81E-01	1.13E+01	6.41E-05	0.00E+00	3.94E+03	8.36E-04	1.10E-02	1.05E-01	1.23E+02	5.33E+01	4.16E-07	9.79E-07	9.47E+01	1.93E+00	1.63E+00	2.69E-01	1.40E-01	3.51E+00	2.24E+02	1.06E+01	3.68E-06	6.99E-01	3.96E+02	1.74E+03	5.79E+00	4.91E+00	2.30E+02	1.89E+03	3.00E+02	2.54E+02	1.14E+01	0.00E+00	0.00E+00	2.15E-04	5.95E+00
HH5041DR	1.29E-01	1.53E+01	-1.27E-01	1.53E+01	5.67E-05	0.00E+00	3.97E+03	1.02E-03	2.07E-02	2.24E-01	1.57E+02	7.68E+01	6.66E-07	1.12E-06	8.42E+01	2.78E+00	2.15E+00	4.72E-01	1.58E-01	3.48E+00	3.59E+02	1.46E+01	4.05E-06	1.29E+00	7.48E+02	1.73E+03	7.02E+00	5.05E+00	3.77E+02	1.77E+03	3.77E+02	3.85E+02	1.29E+01	0.00E+00	0.00E+00	1.36E-04	6.87E+00
HH5048EC	4.69E-02	5.91E+00	-1.05E-01	6.02E+00	1.33E-06	0.00E+00	1.43E+03	4.36E-04	1.02E-02	9.93E-02	4.09E-03	1.12E+01	6.00E-07	3.55E-07	2.72E+01	9.48E-01	5.41E-03	1.93E-01	4.50E-02	1.17E+00	1.69E+02	4.23E+00	3.19E-06	5.30E-01	2.83E+02	4.55E-04	1.97E+00	2.26E+00	1.74E+00	1.93E-04	1.74E+02	1.92E+02	4.28E+00	0.00E+00	0.00E+00	6.16E-06	1.90E+00
HH5050BC	1.16E-01	1.13E+01	-1.86E-01	1.13E+01	2.83E-05	0.00E+00	4.15E+03	6.66E-04	1.25E-02	1.26E-01	1.27E+02	5.32E+01	4.16E-07	9.78E-07	9.51E+01	1.98E+00	1.68E+00	3.77E-01	1.05E-01	3.26E+00	2.87E+02	1.27E+01	3.51E-06	6.59E-01	4.01E+03	1.33E+03	5.60E+00	3.02E+02	2.35E+03	3.02E+02	3.17E+02	1.21E+01	0.00E+00	0.00E+00	2.16E-04	5.98E+00	
HH5051BC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.66E-04	1.25E-02	1.27E-01	1.27E+02	5.32E+01	4.16E-07	9.78E-07	9.52E+01	1.98E+00	1.68E+00	3.77E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.67E-06	6.80E-01	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	2.15E-04	5.98E+00
HH5061EC	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	4.19E-03	1.13E+01	6.00E-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	5.31E-01	2.85E+02	4.54E-04	1.98E+00	2.28E+00	1.74E+00	1.95E-04	1.74E+02	1.92E+02	4.28E+00	0.00E+00	0.00E+00	6.16E-06	1.92E+00
HH5063BC	1.16E-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	4.90E+01	4.70E-07	7.44E-07	6.52E+01	1.91E+00	1.47E+00	3.13E-01	1.05E-01	3.25E+00	2.84E+02	1.06E+01	3.48E-06	6.75E-01	4.00E+02	1.32E+03	6.27E+00	5.18E+00	2.96E+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
HH5063DC	1.16E-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	4.90E+01	4.70E-07	7.44E-07	6.52E+01	1.91E+00	1.47E+00	3.13E-01	1.05E-01	3.25E+00	2.84E+02	1.06E+01	3.48E-06	6.75E-01	4.00E+02	1.32E+03	6.27E+00	5.18E+00	2.96E+02	2.20E+03	2.99E+02	3.08E+02	1.19E+01	0.00E+00	0.00E+00	2.10E-04	4.55E+00
HH5063DR	1.25E-01	1.51E+01	-1.19E-01	1.51E+01	1.34E-05	0.00E+00	3.79E+03	1.05E-03	2.00E-02	2.11E-01	1.19E+02	5.29E+01	6.28E-07	1.06E-06	7.93E+01	2.65E+00	1.68E+00	4.66E-01	1.31E-01	2.71E+00	3.49E+02	1.21E+01	3.98E-06	1.02E+00	7.40E+02	1.20E+03	5.99E+00	4.65E+00	3.67E+02	1.44E+03	3.67E+02	3.75E+02	1.02E+01	0.00E+00	0.00E+00	1.31E-04	5.64E+00
HH5064BC	1.20E-01	1.12E+01	-1.96E-01	1.13E+01	6.52E-05	0.00E+00	4.15E+03	6.66E-04	1.25E-02	1.27E-01	1.27E+02	5.32E+01	4.16E-07	9.78E-07	9.52E+01	1.98E+00	1.68E+00	3.77E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.68E-06	6.80E-01	4.02E+02	1.79E+03	6.69E+00	5.30E+00	3.04E+02	2.17E+03	3.04E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.15E-04	5.97E+00
HH5064DC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.66E-04	1.25E-02	1.28E-01	1.27E+02	5.32E+01	4.16E-07	9.78E-07	9.52E+01	1.98E+00	1.68E+00	3.77E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.68E-06	6.80E-01	4.02E+02	1.79E+03	6.69E+00	5.30E+00	3.04E+02	2.18E+03	3.04E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.97E+00
HH5074DR	1.30E-01	1.62E+01	-1.14E-01	1.53E+01	1.76E-05	0.00E+00	3.98E+03	1.01E-03	2.07E-02	2.24E-01	1.58E+02	7.69E+01	6.77E-07	1.15E-06	1.02E+02	2.70E+00	2.15E+00	4.77E-01	1.54E-01	3.46E+00	3.59E+02	1.45E+01	4.07E-06	1.29E+00	7.45E+02	1.72E+03	6.80E+00	5.94E+00	3.77E+02	1.80E+03	3.77E+02	3.82E+02	1.26E+01	0.00E+00	0.00E+00	1.33E-04	6.86E+00
HH5078EC	4.81E-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	9.97E-02	4.46E-03	1.43E+01	6.00E-07	3.98E-07	3.13E+01	1.10E+00	5.93E-03	1.98E-01	5.42E-02	1.29E+00	1.68E+02	4.28E+00	3.20E-06	5.62E-01	2.81E+02	3.56E+04	2.04E+00	3.29E+00	1.74E+00	2.30E+04	1.74E+02	1.92E+02	4.36E+00	0.00E+00	0.00E+00	6.16E-06	1.88E+00
HH5080BC	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	4.90E+01	4.70E-07	7.44E-07	6.52E+01	1.91E+00	1.47E+00	3.13E-01	1.05E-01	3.25E+00	2.89E+02	1.06E+01	3.50E-06	6.80E-01	4.01E+02	1.33E+03	6.29E+00	5.18E+00	2.96E+02	2.20E+03	2.99E+02	3.10E+02	1.19E+01	0.00E+00	0.00E+00	2.09E-04	4.55E+00
HH5080DC	1.16E-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	1.26E-01	1.10E+02	4.90E+01	4.70E-07	7.44E-07	6.52E+01	1.91E+00	1.47E+00	3.13E-01	1.05E-01	3.25E+00	2.87E+02	1.07E+01	3.50E-06	6.80E-01	4.01E+02	1.33E+03	6.29E+00	5.18E+00	2.96E+02	2.20E+03	2.99E+02	3.10E+02	1.19E+01	0.00E+00	0.00E+00	2.21E-04	4.55E+00
HH5080DR	1.25E-01	1.52E+01	-1.19E-01	1.51E+01	1.35E-05	0.00E+00	3.79E+03	1.05E-03	2.00E-02	2.11E-01	1.19E+02	5.29E+01	6.28E-07	1.06E-06	7.93E+01	2.65E+00	1.68E+00	4.65E-01	1.31E-01	2.72E+00	3.49E+02	1.22E+01	4.07E-06	1.02E+00	7.40E+02	1.20E+03	5.99E+00	4.65E+00	3.67E+02	1.44E+03	3.67E+02	3.75E+02	1.02E+01	0.00E+00	0.00E+00	1.31E-04	5.65E+00
HH5081BC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.66E-04	1.25E-02	1.27E-01	1.27E+02	5.32E+01	4.16E-07	9.78E-07	9.52E+01	1.98E+00	1.68E+00	3.77E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.68E-06	6.80E-01	4.02E+02	1.79E+03	6.69E+00	5.30E+00	3.04E+02	2.17E+03	3.04E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.15E-04	5.98E+00
HH5081DC	1.20E-01	1.12E+01	-1.96E-01	1.14E+01	6.52E-05	0.00E+00	4.15E+03	6.66E-04	1.25E-02	1.28E-01	1.27E+02	5.32E+01	4.16E-07	9.78E-07	9.52E+01	1.98E+00	1.68E+00	3.77E-01	1.40E-01	3.62E+00	2.89E+02	1.28E+01	3.68E-06	6.80E-01	4.02E+02	1.79E+03	6.69E+00	5.30E+00	3.04E+02	2.18E+03	3.04E+02	3.15E+02	1.26E+01	0.00E+00	0.00E+00	2.22E-04	5.98E+00
HH5081DR	1.30E-01	1.53E+01	-1.14E-01	1.53E+01	1.76E-05	0.00E+00	3.98E+03	1.02E-03	2.07E-02	2.24E-01	1.58E+02	7.69E+01	6.77E-07	1.15E-06	1.02E+02	2.70E+00	2.15E+00	4.77E-01	1.54E-01	3.46E+00	3.59E+02	1.45E+01	4.07E-06	1.29E+00	7.45E+02	1.72E+03	6.80E+00	5.94E+00	3.77E+02	1.80E+03	3.77E+02	3.82E+02	1.2				

HMJ320BR	428E-01	374E-01	234E-01	374E-01	1.03E-04	0.00E+00	8.89E-04	1.38E-03	4.23E-02	4.55E-01	4.76E-02	2.15E-02	9.33E-06	3.95E-06	3.59E-04	4.27E-04	8.50E-02	9.47E-01	4.83E-01	1.50E-01	7.68E-02	2.87E-01	8.51E-06	3.24E-04	1.51E-01	8.47E-03	2.13E-01	1.14E-01	7.99E-02	1.49E-02	7.99E-02	8.30E-02	3.22E-01	0.00E+00	0.00E+00	5.17E-04	2.07E-01
HMJ320DR	448E-01	379E-01	251E-02	377E-01	1.04E-04	0.00E+00	8.95E-04	1.04E-03	4.25E-02	4.53E-01	4.83E-02	2.13E-02	9.79E-06	3.85E-06	3.50E-04	5.94E-04	8.50E-02	9.78E-01	4.85E-01	1.51E-01	7.87E-02	2.70E-01	8.46E-06	3.29E-04	1.53E-01	8.49E-03	2.13E-01	1.14E-01	7.95E-02	1.39E-02	7.99E-02	8.35E-02	3.35E-01	0.00E+00	0.00E+00	5.57E-04	2.09E-01
HMJ321DR	564E-01	479E-01	110E-01	474E-01	1.45E-04	0.00E+00	1.21E-04	2.72E-03	5.31E-02	5.69E-01	6.09E-02	2.75E-02	8.85E-06	4.97E-06	4.54E-04	8.30E-04	1.16E-01	1.28E-04	6.16E-01	1.87E-01	9.71E-02	3.47E-01	1.01E-05	4.09E-04	1.92E-01	7.99E-03	2.87E-01	1.34E-01	1.06E-02	1.17E-02	1.00E-03	1.04E-03	4.02E-01	0.00E+00	0.00E+00	6.73E-04	2.65E-01
HMJ400DR	436E-01	387E-01	862E-03	387E-01	9.94E-05	0.00E+00	8.10E-04	2.28E-03	4.11E-02	4.40E-01	4.89E-02	2.05E-02	9.79E-06	3.72E-06	3.42E-04	8.30E-04	8.34E-02	9.70E-01	4.72E-01	1.46E-01	7.59E-02	2.62E-01	8.10E-05	3.15E-04	1.48E-01	8.27E-03	2.67E-01	1.11E-01	7.76E-02	1.19E-02	7.76E-02	8.08E-02	3.10E-01	0.00E+00	0.00E+00	5.54E-04	2.03E-01
HMJ401DR	568E-01	479E-01	110E-01	474E-01	1.45E-04	0.00E+00	1.21E-04	2.72E-03	5.32E-02	5.68E-01	6.09E-02	2.75E-02	9.85E-06	4.98E-06	4.54E-04	8.30E-04	1.16E-01	1.28E-04	6.17E-01	1.87E-01	9.71E-02	3.47E-01	1.01E-05	4.09E-04	1.92E-01	7.99E-03	2.87E-01	1.34E-01	1.06E-02	1.17E-02	1.00E-03	1.04E-03	4.02E-01	0.00E+00	0.00E+00	6.80E-04	2.65E-01
HMJ500BR	436E-01	378E-01	320E-02	377E-01	1.03E-04	0.00E+00	8.97E-04	1.38E-03	4.27E-02	4.58E-01	4.80E-02	2.22E-02	9.33E-06	3.96E-06	3.68E-04	4.28E-04	8.52E-02	9.23E-01	4.86E-01	1.52E-01	7.69E-02	2.68E-01	8.61E-06	3.30E-04	1.52E-01	8.51E-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	458E-01	379E-01	279E-02	375E-01	9.89E-05	0.00E+00	8.53E-04	1.22E-03	4.24E-02	4.53E-01	4.83E-02	2.33E-02	9.79E-06	3.99E-06	3.74E-04	3.76E-04	8.54E-02	8.99E-01	4.81E-01	1.50E-01	7.62E-02	2.84E-01	8.59E-06	3.31E-04	1.53E-01	8.47E-03	2.16E-01	1.13E-01	7.89E-02	1.76E-02	7.89E-02	8.21E-02	3.11E-01	0.00E+00	0.00E+00	3.35E-04	2.07E-01
HMS025BC	116E-01	112E-01	-1.86E-01	113E-01	2.83E-06	0.00E+00	3.99E-03	6.33E-04	1.06E-02	1.05E-01	1.08E-02	4.48E-01	4.63E-07	7.48E-07	6.79E-01	1.02E-04	1.45E-02	2.67E-01	1.05E-01	3.15E-02	2.24E-02	1.07E-01	3.50E-06	8.68E-01	3.95E-02	1.29E-03	5.56E-01	4.78E-01	2.27E-02	2.13E-02	2.27E-02	2.51E-02	1.11E-01	0.00E+00	0.00E+00	2.09E-04	4.54E-01
HMS025BR	125E-01	1.51E-01	-1.22E-01	1.50E-01	1.93E-05	0.00E+00	3.79E-03	1.01E-03	1.09E-02	2.10E-01	1.17E-02	5.27E-01	6.51E-07	1.05E-06	7.98E-01	1.02E-04	1.65E-02	4.62E-01	1.20E-01	3.21E-02	2.46E-02	1.22E-01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.76E-01	4.62E-01	3.69E-02	1.47E-03	3.69E-02	3.75E-02	1.02E-01	0.00E+00	0.00E+00	1.23E-04	5.63E-01
HMS025DC	116E-01	112E-01	-1.83E-01	113E-01	2.83E-06	0.00E+00	3.99E-03	6.33E-04	1.06E-02	1.05E-01	1.08E-02	4.48E-01	4.63E-07	7.48E-07	6.79E-01	1.02E-04	1.45E-02	2.67E-01	1.05E-01	3.15E-02	2.22E-02	1.07E-01	3.50E-06	8.68E-01	3.95E-02	1.29E-03	5.56E-01	4.78E-01	2.27E-02	2.13E-02	2.27E-02	2.51E-02	1.11E-01	0.00E+00	0.00E+00	2.13E-04	4.54E-01
HMS025DR	125E-01	1.52E-01	-1.19E-01	1.51E-01	1.93E-05	0.00E+00	3.79E-03	1.02E-03	2.11E-01	1.19E-02	5.29E-01	6.23E-07	1.06E-06	7.93E-01	2.70E-04	1.68E-02	4.67E-01	1.31E-01	3.21E-02	3.49E-02	1.22E-01	4.01E-06	1.02E-06	7.40E-02	1.20E-03	5.96E-01	4.62E-01	3.69E-02	1.44E-03	3.69E-02	3.77E-02	1.02E-01	0.00E+00	0.00E+00	1.31E-04	5.65E-01	
HMS026BC	126E-01	1.12E-01	-1.97E-01	1.14E-01	6.52E-05	0.00E+00	4.15E-03	6.66E-04	1.25E-02	1.26E-01	1.27E-02	5.20E-01	4.12E-07	9.76E-07	9.56E-01	1.97E-04	1.68E-02	3.17E-01	1.45E-01	3.62E-02	2.89E-02	1.27E-01	3.67E-06	9.83E-01	4.02E-02	1.76E-03	6.66E-01	5.38E-01	3.08E-02	2.17E-03	3.05E-02	3.17E-02	1.29E-01	0.00E+00	0.00E+00	2.14E-04	5.98E-01
HMS026BR	131E-01	1.54E-01	-1.33E-01	1.55E-01	6.02E-05	0.00E+00	4.02E-03	6.37E-04	1.22E-02	2.28E-01	1.60E-02	7.69E-01	6.69E-07	1.17E-06	1.03E-04	2.78E-04	2.28E-02	4.80E-01	1.81E-01	3.44E-02	3.24E-02	1.57E-01	4.10E-06	1.30E-06	7.60E-02	1.75E-03	7.07E-01	5.48E-01	3.77E-02	2.19E-03	3.77E-02	3.00E-02	1.27E-01	0.00E+00	0.00E+00	1.72E-04	7.01E-01
HMS026DC	117E-01	1.14E-01	-1.81E-01	1.15E-01	6.15E-05	0.00E+00	4.06E-03	6.70E-04	1.23E-02	1.06E-01	1.24E-02	5.20E-01	4.13E-07	9.65E-07	9.46E-01	1.93E-04	1.68E-02	3.16E-01	1.45E-01	3.51E-02	3.24E-02	1.56E-01	3.67E-06	1.00E-06	7.60E-02	1.74E-03	6.97E-01	4.91E-01	2.36E-02	1.83E-03	3.54E-02	1.14E-01	0.00E+00	0.00E+00	2.15E-04	5.95E-01	
HMS026DR	131E-01	1.54E-01	-1.29E-01	1.55E-01	5.76E-05	0.00E+00	4.49E-03	6.37E-04	2.07E-02	2.28E-01	1.60E-02	7.63E-01	6.69E-07	1.17E-06	1.03E-04	2.78E-04	2.28E-02	4.80E-01	1.81E-01	3.44E-02	3.24E-02	1.57E-01	4.10E-06	1.30E-06	7.60E-02	1.75E-03	7.07E-01	5.48E-01	3.77E-02	2.19E-03	3.77E-02	3.00E-02	1.27E-01	0.00E+00	0.00E+00	1.38E-04	7.01E-01
HMS040BC	116E-01	112E-01	-1.86E-01	113E-01	2.83E-06	0.00E+00	3.91E-03	6.33E-04	1.06E-02	1.05E-01	1.09E-02	4.44E-01	4.65E-07	7.67E-07	6.84E-01	1.02E-04	1.45E-02	2.67E-01	1.04E-01	3.14E-02	2.21E-02	1.07E-01	3.59E-06	8.59E-01	3.95E-02	1.29E-03	5.55E-01	4.65E-01	2.27E-02	2.13E-02	2.27E-02	2.51E-02	1.04E-01	0.00E+00	0.00E+00	2.06E-04	4.54E-01
HMS040BR	116E-01	1.51E-01	-1.22E-01	1.50E-01	1.93E-05	0.00E+00	3.79E-03	1.01E-03	1.09E-02	2.10E-01	1.19E-02	5.15E-01	6.51E-07	1.05E-06	7.94E-01	1.02E-04	1.45E-02	2.67E-01	1.04E-01	3.21E-02	2.46E-02	1.22E-01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.76E-01	4.62E-01	3.69E-02	1.47E-03	3.69E-02	3.75E-02	1.02E-01	0.00E+00	0.00E+00	1.23E-04	5.63E-01
HMS040DR	125E-01	1.52E-01	-1.19E-01	1.51E-01	1.93E-05	0.00E+00	3.79E-03	1.02E-03	2.11E-01	1.19E-02	5.29E-01	6.23E-07	1.06E-06	7.93E-01	2.70E-04	1.68E-02	4.67E-01	1.31E-01	3.21E-02	3.49E-02	1.22E-01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.96E-01	4.62E-01	3.69E-02	1.44E-03	3.69E-02	3.77E-02	1.02E-01	0.00E+00	0.00E+00	1.31E-04	5.65E-01	
HMS041BC	117E-01	1.11E-01	-1.84E-01	1.12E-01	6.41E-05	0.00E+00	3.94E-03	6.36E-04	1.10E-02	1.05E-01	1.21E-02	5.23E-01	4.10E-07	9.10E-07	9.47E-01	1.93E-04	1.59E-02	2.69E-01	1.30E-01	3.03E-02	2.23E-02	1.08E-01	3.67E-06	9.95E-01	3.99E-02	1.74E-03	5.75E-01	4.79E-01	2.30E-02	1.99E-03	2.30E-02	2.54E-02	1.07E-01	0.00E+00	0.00E+00	2.07E-04	5.93E-01
HMS041BR	131E-01	1.54E-01	-1.32E-01	1.55E-01	6.08E-05	0.00E+00	4.49E-03	6.37E-04	2.07E-02	2.28E-01	1.61E-02	7.69E-01	6.69E-07	1.17E-06	1.03E-04	2.77E-04	2.18E-02	4.80E-01	1.82E-01	3.45E-02	3.24E-02	1.56E-01	4.10E-06	1.32E-06	7.60E-02	1.73E-03	7.06E-01	5.48E-01	3.77E-02	2.14E-03	3.77E-02	3.00E-02	1.27E-01	0.00E+00	0.00E+00	1.26E-04	6.89E-01
HMS041DC	118E-01	1.14E-01	-1.80E-01	1.15E-01	6.41E-05	0.00E+00	4.02E-03	6.46E-04	1.15E-02	1.14E-01	1.25E-02	5.24E-01	4.12E-07	9.72E-07	9.50E-01	1.94E-04	1.68E-02	3.16E-01	1.45E-01	3.51E-02	2.44E-02	1.56E-01	3.67E-06	9.79E-01	3.97E-02	1.74E-03	5.95E-01	5.28E-01	2.33E-02	1.89E-03	2.33E-02	2.73E-02	1.17E-01	0.00E+00	0.00E+00	2.15E-04	5.95E-01
HMS041DR	129E-01	1.53E-01	-1.26E-01	1.54E-01	1.92E-05	0.00E+00	3.97E-03	1.02E-03	2.07E-02	2.24E-01	1.67E-02	7.64E-01	6.52E-07	1.09E-06	7.90E-01	2.70E-04	1.68E-02	4.69E-01	1.31E-01	3.21E-02	3.49E-02	1.22E-01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.92E-01	4.76E-01	2.36E-02	1.47E-03	3.68E-02	3.77E-02	1.02E-01	0.00E+00	0.00E+00	1.23E-04	5.65E-01
HMS050BC	118E-01	112E-01	-1.99E-01	114E-01	3.04E-05	0.00E+00	4.12E-03	6.63E-04	1.25E-02	1.25E-01	1.19E-02	4.07E-01	4.64E-07	7.44E-07	6.53E-01	1.05E-04	1.47E-02	3.17E-01	1.05E-01	3.28E-02	2.87E-02	1.27E-01	3.51E-06	8.59E-01	4.01E-02	1.33E-03	6.50E-01	5.20E-01	3.02E-02	2.39E-03	3.02E-02	3.12E-02	1.21E-01	0.00E+00	0.00E+00	2.16E-04	4.54E-01
HMS050BR	125E-01	1.53E-01	-1.22E-01	1.51E-01	1.99E-05	0.00E+00	3.79E-03	1.02E-03	2.09E-02	2.11E-01	1.19E-02	5.23E-01	6.23E-07	1.06E-06	7.93E-01	2.70E-04	1.68E-02	4.69E-01	1.31E-01	3.21E-02	3.49E-02	1.22E-01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.92E-01	4.76E-01	2.36E-02	1.47E-03	3.68E-02	3.77E-02	1.02E-01	0.00E+00	0.00E+00	1.23E-04	5.65E-01
HMS051BR	120E-01	112E-01	-1.96E-01	114E-01	3.02E-05	0.00E+00	4.15E-03	6.66E-04	1.24E-02	1.27E-01	1.27E-02	5.29E-01	4.12E-07	9.76E-07	9.50E-01	1.97E-04	1.68E-02	3.17E-01	1.45E-01	3.62E-02	2.89E-02	1.27E-01	3.67E-06	9.83E-01	4.02E-02	1.80E-03	6.66E-01	5.38E-01	3.08E-02	2.17E-03	3.05E-02	3.17E-02	1.29E-01	0.00E+00	0.00E+00	2.13E-04	5.98E-01
HMS051BC	131E-01	1.54E-01																																			

HMT160DR	1.84E+1	1.87E+1	1.83E+1	1.85E+1	8.53E-5	0.00E+0	6.25E+3	9.24E+4	1.91E-2	2.04E-1	2.05E-2	8.41E+1	1.07E-5	1.65E-6	1.54E+2	2.89E+4	3.03E-2	5.00E-1	2.09E-1	4.64E+3	4.04E+2	1.86E+1	4.52E-6	1.41E+0	7.63E-2	2.05E+3	8.14E+1	6.72E+0	4.25E+2	2.17E+3	4.25E-2	4.34E+2	1.44E+1	0.00E+0	0.00E+0	6.32E-5	8.99E-0
HMT161BR	1.86E+1	1.77E+1	1.86E-2	2.10E+1	7.01E-5	0.00E+0	6.34E+3	1.21E+3	2.57E-2	2.71E-1	2.19E-2	9.31E+1	1.78E-5	1.91E-6	1.92E+2	3.89E+4	3.42E-2	5.66E-1	2.53E-1	5.22E+3	4.24E+2	1.86E+1	5.00E-6	1.40E+0	9.11E-2	1.87E+3	9.04E+0	7.01E+0	4.07E+2	3.76E+3	4.87E-2	4.53E+2	1.59E+1	0.00E+0	0.00E+0	9.97E-5	1.04E+1
HMT161DR	1.98E+1	1.87E+1	1.84E-1	1.92E+1	5.74E-5	0.00E+0	7.00E+3	1.14E+3	2.02E-2	2.16E-1	2.33E-2	8.36E+1	1.08E-5	1.81E-6	1.80E+2	3.39E+4	3.40E-2	5.03E-1	2.37E-1	4.87E+3	4.00E+2	1.87E+1	4.50E-6	1.40E+0	7.75E-2	2.09E+3	8.66E+0	7.23E+0	4.32E+2	2.34E+3	4.32E-2	4.36E+2	1.61E+1	0.00E+0	0.00E+0	6.15E-5	1.01E+1
HMT162DR	1.96E+1	1.88E+1	1.84E-1	1.95E+1	6.72E-5	0.00E+0	7.00E+3	1.17E+3	2.04E-2	2.16E-1	2.25E-2	7.48E+1	1.12E-5	1.81E-6	1.80E+2	3.39E+4	3.26E-2	5.04E-1	2.36E-1	4.87E+3	4.00E+2	1.87E+1	4.50E-6	1.40E+0	7.75E-2	2.09E+3	8.66E+0	7.23E+0	4.32E+2	2.34E+3	4.32E-2	4.36E+2	1.62E+1	0.00E+0	0.00E+0	6.12E-5	9.96E+0
HMT200BR	1.78E+1	1.74E+1	1.81E-3	2.05E+1	6.91E-5	0.00E+0	5.97E+3	1.11E+3	2.40E-2	2.59E-1	2.05E-2	9.29E+1	1.03E-5	1.61E-6	1.47E+2	3.34E+4	3.16E-2	5.34E-1	2.31E-1	5.00E+3	4.18E+2	1.72E+1	4.50E-6	1.37E+0	8.30E-2	1.83E+3	8.07E+0	6.59E+0	4.54E+2	2.40E+3	4.54E-2	4.38E+2	1.44E+1	0.00E+0	0.00E+0	8.93E-5	9.70E+0
HMT200DR	1.93E+1	1.88E+1	1.84E-2	1.95E+1	6.45E-5	0.00E+0	5.26E+3	1.05E+3	2.28E-2	2.43E-1	1.87E-2	8.99E+1	9.50E-7	1.53E-6	1.47E+2	3.31E+4	2.92E-2	5.21E-1	2.11E-1	4.21E+3	3.90E+2	1.54E+1	4.30E-6	1.32E+0	7.53E-2	1.83E+3	7.71E+0	5.72E+0	4.14E+2	2.70E+3	4.14E-2	4.15E+2	1.31E+1	0.00E+0	0.00E+0	7.72E-5	8.79E+0
HMT201BR	1.95E+1	1.79E+1	1.81E-2	2.09E+1	7.92E-5	0.00E+0	6.05E+3	1.21E+3	2.59E-2	2.69E-1	2.19E-2	9.44E+1	1.69E-5	1.91E-6	1.79E+2	3.69E+4	3.42E-2	5.58E-1	2.53E-1	5.21E+3	4.21E+2	1.83E+1	5.00E-6	1.40E+0	8.02E-2	1.86E+3	9.00E+0	6.91E+0	4.62E+2	3.73E+3	4.62E-2	4.50E+2	1.50E+1	0.00E+0	0.00E+0	1.01E-4	1.04E+1
HMT201DR	1.98E+1	1.85E+1	1.82E-1	1.91E+1	5.78E-5	0.00E+0	7.04E+3	1.15E+3	1.97E-2	2.11E-1	2.32E-2	8.44E+1	9.87E-7	1.81E-6	1.80E+2	3.41E+4	3.40E-2	4.91E-1	2.38E-1	4.88E+3	4.00E+2	1.86E+1	4.50E-6	1.40E+0	7.00E-2	2.08E+3	8.62E+0	7.08E+0	4.23E+2	2.34E+3	4.23E-2	4.27E+2	1.57E+1	0.00E+0	0.00E+0	6.91E-5	1.01E+1
HMT202DR	1.98E+1	1.86E+1	1.81E-1	1.92E+1	6.74E-5	0.00E+0	7.04E+3	1.17E+3	2.02E-2	2.12E-1	2.25E-2	7.63E+1	1.02E-5	1.81E-6	1.80E+2	3.39E+4	3.26E-2	4.92E-1	2.37E-1	4.88E+3	4.00E+2	1.86E+1	4.50E-6	1.40E+0	7.00E-2	2.07E+3	8.61E+0	7.08E+0	4.24E+2	2.34E+3	4.24E-2	4.28E+2	1.50E+1	0.00E+0	0.00E+0	1.18E-4	9.97E+0
HMT250BR	1.98E+1	1.79E+1	1.81E-2	2.02E+1	6.58E-5	0.00E+0	6.44E+3	1.11E+3	2.41E-2	2.56E-1	2.09E-2	9.29E+1	1.07E-5	1.62E-6	1.47E+2	3.35E+4	3.16E-2	5.31E-1	2.35E-1	5.00E+3	4.18E+2	1.75E+1	4.50E-6	1.36E+0	8.30E-2	1.87E+3	8.07E+0	6.59E+0	4.52E+2	2.42E+3	4.52E-2	4.42E+2	1.48E+1	0.00E+0	0.00E+0	8.98E-5	9.71E+0
HMT250DR	1.48E+1	1.37E+1	1.36E-1	1.39E+1	2.51E-5	0.00E+0	6.24E+3	8.75E+4	1.50E-2	1.64E-1	1.65E-2	3.95E+1	1.36E-7	1.16E-6	1.13E+2	2.95E+4	2.16E-2	3.83E-1	1.58E-1	3.40E+3	3.23E+2	1.67E+1	3.20E-6	9.83E-1	5.22E-2	1.66E+3	7.29E+0	6.71E+0	3.35E+2	9.64E+4	3.35E-2	3.53E+2	1.42E+1	0.00E+0	0.00E+0	0.00E-5	6.82E+0
HMT251BR	1.87E+1	1.79E+1	1.86E-2	2.05E+1	7.01E-5	0.00E+0	6.94E+3	1.21E+3	2.58E-2	2.69E-1	2.19E-2	9.49E+1	1.72E-5	1.91E-6	1.80E+2	3.69E+4	3.42E-2	5.56E-1	2.53E-1	5.22E+3	4.19E+2	1.91E+1	5.00E-6	1.40E+0	8.81E-2	1.89E+3	9.08E+0	7.10E+0	4.61E+2	3.72E+3	4.61E-2	4.46E+2	1.59E+1	0.00E+0	0.00E+0	1.01E-4	1.04E+1
HMT251DR	2.00E+1	1.85E+1	1.84E-1	1.91E+1	5.72E-5	0.00E+0	7.04E+3	1.15E+3	1.97E-2	2.11E-1	2.32E-2	8.39E+1	1.08E-5	1.81E-6	1.80E+2	3.40E+4	3.40E-2	4.88E-1	2.37E-1	4.90E+3	3.97E+2	1.82E+1	4.50E-6	1.40E+0	7.00E-2	2.07E+3	8.62E+0	7.38E+0	4.21E+2	2.33E+3	4.21E-2	4.28E+2	1.62E+1	0.00E+0	0.00E+0	6.15E-5	1.01E+1
HMT252DR	1.98E+1	1.87E+1	1.84E-1	1.95E+1	6.74E-5	0.00E+0	7.04E+3	1.17E+3	2.02E-2	2.12E-1	2.25E-2	7.63E+1	1.02E-5	1.81E-6	1.80E+2	3.39E+4	3.26E-2	4.92E-1	2.37E-1	4.88E+3	4.00E+2	1.86E+1	4.50E-6	1.40E+0	7.00E-2	2.07E+3	8.61E+0	7.08E+0	4.24E+2	2.34E+3	4.24E-2	4.28E+2	1.50E+1	0.00E+0	0.00E+0	1.18E-4	9.96E+0
HMW250DR	4.93E+1	3.89E+1	4.52E+3	3.78E+1	1.04E-4	0.00E+0	8.97E+3	1.35E+3	4.26E-2	4.54E-1	4.83E-2	2.19E+2	9.79E-6	3.94E-6	3.81E+2	4.26E+4	6.53E-2	9.60E-1	4.89E-1	1.91E+4	7.69E+2	2.69E+1	8.50E-6	3.32E+0	1.93E+1	6.51E+3	2.14E+1	1.19E+1	8.01E+2	1.40E+2	8.01E+2	8.30E+2	3.32E+1	0.00E+0	0.00E+0	5.16E-4	2.09E+1
HMW251DR	9.68E+1	4.73E+1	4.88E+0	3.74E+1	1.45E-4	0.00E+0	1.02E+4	2.72E+3	5.30E-2	5.68E-1	6.09E-2	2.79E+2	8.85E-6	5.01E-6	4.97E+2	8.91E+4	8.17E-2	1.28E+0	6.15E-1	1.84E+4	9.72E+2	3.48E+1	1.00E-6	4.98E+0	1.92E+1	8.01E+3	2.64E+1	1.35E+1	1.91E+2	1.81E+2	1.91E+2	1.94E+2	4.06E+1	0.00E+0	0.00E+0	4.48E-4	2.65E+1
HMW320BR	4.28E+1	3.74E+1	4.76E+3	3.74E+1	1.02E-4	0.00E+0	8.02E+3	1.35E+3	4.23E-2	4.53E-1	4.78E-2	2.15E+2	9.33E-6	3.94E-6	3.81E+2	4.26E+4	6.53E-2	9.47E-1	4.83E-1	1.90E+4	7.68E+2	2.67E+1	8.51E-6	3.24E+0	1.91E+1	6.47E+3	2.13E+1	1.14E+1	7.99E+2	1.40E+2	7.99E+2	3.32E+1	0.00E+0	0.00E+0	5.16E-4	2.07E+1	
HMW320DR	4.50E+1	3.89E+1	4.52E+3	3.78E+1	1.04E-4	0.00E+0	8.97E+3	1.35E+3	4.26E-2	4.54E-1	4.83E-2	2.19E+2	9.79E-6	3.94E-6	3.81E+2	4.26E+4	6.53E-2	9.60E-1	4.89E-1	1.91E+4	7.69E+2	2.69E+1	8.50E-6	3.32E+0	1.93E+1	6.51E+3	2.14E+1	1.19E+1	8.01E+2	1.40E+2	8.01E+2	8.30E+2	3.32E+1	0.00E+0	0.00E+0	5.16E-4	2.09E+1
HMW321BR	5.24E+1	4.98E+1	4.84E+0	4.46E+1	1.48E-4	0.00E+0	1.01E+4	2.64E+3	5.06E-2	5.48E-1	5.84E-2	2.68E+2	9.38E-6	4.90E-6	4.45E+2	7.98E+4	7.95E-2	1.24E+0	5.96E-1	1.77E+4	9.52E+2	3.52E+1	9.85E-6	3.89E+0	1.89E+1	8.05E+3	2.15E+1	1.33E+1	9.85E+2	1.70E+2	8.05E+2	1.02E+3	3.77E+1	0.00E+0	0.00E+0	6.44E-4	2.58E+1
HMW321DR	6.64E+1	4.74E+1	4.84E-2	4.74E+1	1.45E-4	0.00E+0	1.02E+4	2.72E+3	5.31E-2	5.70E-1	6.09E-2	2.79E+2	9.85E-6	5.01E-6	4.57E+2	8.02E+4	8.16E-2	1.27E+0	6.15E-1	1.89E+4	9.72E+2	3.47E+1	1.00E-6	4.09E+0	1.93E+1	8.01E+3	2.65E+1	1.35E+1	1.01E+2	1.81E+2	1.91E+2	1.94E+2	4.06E+1	0.00E+0	0.00E+0	8.49E-4	2.65E+1
HMW400DR	4.50E+1	3.79E+1	4.83E+3	3.78E+1	1.04E-4	0.00E+0	8.84E+3	1.50E+3	4.26E-2	4.54E-1	4.83E-2	2.17E+2	9.76E-6	3.92E-6	3.94E+2	4.87E+4	8.50E-2	9.62E-1	4.88E-1	1.91E+4	7.68E+2	2.66E+1	8.49E-6	3.30E+0	1.93E+1	6.50E+3	2.14E+1	1.14E+1	7.99E+2	1.41E+2	7.99E+2	8.33E+2	3.36E+1	0.00E+0	0.00E+0	4.81E-4	2.08E+1
HMW401DR	8.68E+1	4.73E+1	4.86E-2	4.75E+1	1.43E-4	0.00E+0	1.00E+4	2.72E+3	5.32E-2	5.71E-1	6.09E-2	2.79E+2	9.85E-6	5.01E-6	4.57E+2	8.01E+4	8.16E-2	1.27E+0	6.16E-1	1.89E+4	9.72E+2	3.47E+1	9.85E-6	4.09E+0	1.93E+1	8.05E+3	2.65E+1	1.34E+1	1.01E+2	1.82E+2	1.91E+2	1.94E+2	4.07E+1	0.00E+0	0.00E+0	6.98E-4	2.65E+1
HMW500BR	3.39E+1	3.77E+1	4.82E+3	3.78E+1	1.04E-4	0.00E+0	8.80E+3	1.28E+3	4.26E-2	4.58E-1	4.89E-2	2.22E+3	9.63E-6	3.88E-6	3.89E+2	4.87E+4	8.52E-2	9.62E-1	4.88E-1	1.91E+4	7.69E+2	2.69E+1	8.50E-6	3.32E+0	1.93E+1	6.51E+3	2.14E+1	1.19E+1	8.01E+2	1.40E+2	8.01E+2	8.30E+2	3.32E+1	0.00E+0	0.00E+0	5.16E-4	2.09E+1
HMW501BR	5.35E+1	4.81E+1	4.74E-2	4.63E+1	1.47E-4	0.00E+0	1.05E+4	2.48E+3	5.14E-2	5.57E-1	5.89E-2	2.78E+2	9.38E-6	4.96E-6	4.59E+2	7.98E+4	8.04E-2	1.20E+0	5.96E-1	1.79E+4	9.57E+2	3.47E+1	9.85E-6	3.99E+0	1.87E+1	7.91E+3	2.55E+1	1.33E+1	9.90E+2	1.90E+2	8.00E+2	1.03E+3	3.78E+1	0.00E+0	0.00E+0	5.11E-4	2.55E+1
HNA016M	1.00E+1	1.23E+1	1.40E-2	1.20E+1	2.83E-6	0.00E+0	2.30E+3	8.92E+4	2.35E-2	2.48E-1	7.79E-3	2.73E+1	7.85E-7	7.29E-7	5.59E+1	2.11E+3	1.94E-2	3.98E-1	9.24E-2	2.35E+3	3.22E+3	9.77E+0	3.31E-6	6.94E-7	7.26E-3	9.37E+4	3.90E+3	3.00E+3	3.36E+2	4.59E+4	3.36E+2	4.25E+2	7.29E+0	0.00E+0	0.00E+0	0.00E+0	3.99E+0
HNA017M	1.05E+1	1.29E+1	1.74E-2	1.30E+1	2.76E-6	0.00E+0	2.08E+3	9.08E+4	2.38E-2	2.53E-1	8.19E-3	2.88E+1	9.02E-7	8.08E-7	6.49E+1	2.25E+3	1.11E-2	3.98E-1	1.04E-1	2.53E+3	3.29E+3	9.87E+0	3.28E-6	7.70E-7	7.27E-3	1.10E+3	4.29E+3	3.28E+3	3.38E+2	4.59E+4	3.38E+2	4.27E+2	7.43E+0	0.00E+0	0.00E+0	0.00E+0	4.48E+0
HNA017Z	1.34E+1	1.49E+1	1.92E-2	1.52E+1	3.18E-6	0.00E+0	3.96E+3	1.17E+3	2.61E-2	2.92E-1	1.05E-2	4.07E+1	9.27E-7	1.10E-6	1.09E+2	2.96E+4	1.42E-2	4.88E-1	1.47E-1	2.98E+3	3.94E+3	1.17E+1	3.58E-6	9.37E-7	8.49E-3	1.46E+3	5.49E+3	3.48E+3	4.04E+2	6.22E+4	4.04E+2	4.07E+2	6.39E+0	0.00E+0			

HNA126M	1355-01	183E-01	-8.26E-02	1.64E-01	3.33E-06	0.01E-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-04	1.48E-02	4.88E-01	1.48E-01	3.15E-08	3.84E-02	1.32E-01	3.62E-06	1.04E-08	8.49E-02	1.45E-03	5.53E-01	3.51E-04	4.04E-02	6.95E-04	4.94E-02	4.07E-02	8.55E-04	0.00E-00	0.00E-00	0.00E-00	6.38E-00
HNA126U	1355-01	135E-01	-4.42E-02	1.59E-01	7.56E-08	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	1.13E-02	3.52E-04	1.65E-02	4.90E-01	1.65E-01	3.20E-08	3.70E-02	1.44E-01	4.08E-06	1.09E-08	8.71E-02	1.40E-03	6.38E-01	4.57E-04	3.91E-02	6.99E-04	5.91E-02	4.95E-02	1.08E-01	0.00E-00	0.00E-00	2.12E-05	7.17E-00
HNA126Z	1355-01	181E-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	1.13E-02	3.52E-04	1.66E-02	4.91E-01	1.66E-01	3.20E-08	3.70E-02	1.45E-01	4.08E-06	1.07E-08	8.70E-02	1.39E-03	6.43E-01	4.64E-04	3.96E-02	1.26E-03	3.96E-02	4.05E-02	1.16E-01	0.00E-00	0.00E-00	3.34E-05	7.16E-00
HNA160H	1225-01	120E-01	4.61E-02	1.35E-01	5.16E-06	0.00E-00	2.64E-03	9.92E-04	2.27E-02	2.30E-01	9.02E-03	3.49E-01	4.77E-07	8.27E-07	7.86E-01	2.86E-04	1.22E-02	4.05E-01	1.14E-01	2.42E-08	3.20E-02	1.14E-01	3.55E-06	7.98E-07	6.88E-02	1.13E-03	4.15E-01	3.22E-04	5.06E-04	3.36E-02	3.44E-02	7.82E-04	0.00E-00	0.00E-00	0.00E-00	4.92E-00	
HNA160M	1176E-01	132E-01	27.10E-02	1.30E-01	3.04E-06	0.00E-00	2.64E-03	9.92E-04	2.27E-02	2.41E-01	8.85E-03	3.49E-01	7.10E-07	8.48E-07	7.18E-01	2.79E-04	1.21E-02	3.97E-01	1.08E-01	2.51E-08	3.20E-02	1.14E-01	3.56E-06	7.97E-07	7.20E-02	1.13E-03	4.11E-01	3.14E-04	3.38E-02	5.10E-04	3.36E-02	3.14E-02	7.56E-04	0.00E-00	0.00E-00	0.00E-00	5.98E-00
HNA160U	130E-01	128E-01	-4.74E-02	1.28E-01	7.25E-06	0.00E-00	2.24E-03	9.32E-04	2.13E-02	2.22E-01	8.95E-03	4.24E-01	6.22E-07	9.12E-07	7.73E-01	2.82E-04	1.30E-02	4.17E-01	1.19E-01	2.64E-08	3.13E-02	1.14E-01	3.98E-06	8.37E-01	6.51E-02	1.09E-03	4.85E-01	3.04E-04	3.32E-02	8.74E-04	3.32E-02	3.48E-02	8.43E-04	0.00E-00	0.00E-00	2.22E-05	5.28E-00
HNA160Z	130E-01	128E-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	8.94E-03	4.24E-01	5.71E-07	9.21E-07	7.72E-01	2.82E-04	1.30E-02	4.18E-01	1.20E-01	2.64E-08	3.13E-02	1.15E-01	3.93E-06	8.48E-01	6.54E-02	1.08E-03	4.90E-01	3.12E-04	3.32E-02	1.14E-03	3.37E-02	3.45E-02	8.70E-04	0.00E-00	0.00E-00	3.44E-05	5.25E-00
HNA161H	163E-01	169E-01	7.89E-02	1.70E-01	5.33E-06	0.00E-00	3.12E-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-04	1.62E-02	5.17E-01	1.52E-01	3.18E-08	4.17E-02	1.51E-01	4.02E-06	1.08E-08	8.78E-02	1.48E-03	5.65E-01	4.32E-04	4.32E-02	4.42E-02	1.07E-01	0.00E-00	0.00E-00	0.00E-00	6.52E-00		
HNA161M	150E-01	130E-01	-8.34E-02	1.56E-01	3.06E-06	0.00E-00	3.12E-03	1.21E-03	2.81E-02	2.90E-01	1.04E-02	3.92E-01	4.16E-07	1.12E-06	1.07E-02	3.81E-04	1.62E-02	4.85E-01	1.45E-01	2.98E-08	3.81E-02	1.51E-01	3.62E-06	9.30E-01	8.48E-02	1.25E-03	5.65E-01	3.34E-04	4.00E-02	8.82E-04	4.04E-02	1.05E-01	0.00E-00	0.00E-00	0.00E-00	6.35E-00	
HNA161U	156E-01	136E-01	-3.83E-02	1.56E-01	3.56E-06	0.00E-00	3.12E-03	1.21E-03	2.82E-02	2.91E-01	1.12E-02	4.91E-01	6.83E-07	1.12E-06	1.14E-02	3.82E-04	1.64E-02	4.86E-01	1.56E-01	3.16E-08	3.81E-02	1.44E-01	3.68E-06	1.06E-08	8.70E-02	1.33E-03	6.41E-01	4.60E-04	3.88E-02	3.88E-02	3.85E-02	4.01E-02	1.06E-01	0.00E-00	0.00E-00	2.22E-05	6.17E-00
HNA161Z	156E-01	136E-01	-8.93E-02	1.58E-01	3.04E-06	0.00E-00	3.14E-03	1.23E-03	2.81E-02	2.92E-01	1.10E-02	4.47E-01	5.17E-07	1.05E-06	1.09E-02	3.81E-04	1.64E-02	4.97E-01	1.47E-01	2.89E-08	3.84E-02	1.50E-01	3.65E-06	1.01E-08	8.02E-02	1.22E-03	5.55E-01	4.40E-04	3.98E-02	6.27E-04	3.96E-02	4.98E-02	9.98E-04	0.00E-00	0.00E-00	0.00E-00	6.32E-00
HNB100H	122E-01	102E-01	37.46E-02	1.03E-01	6.44E-05	0.00E-00	2.88E-03	8.92E-04	8.04E-03	8.61E-02	1.44E-02	3.52E-01	6.86E-06	1.26E-06	1.18E-02	2.22E-04	1.97E-02	2.68E-01	1.74E-01	6.33E-08	1.92E-02	1.95E-01	1.73E-06	1.44E-08	3.31E-02	4.21E-03	5.56E-01	4.59E-01	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	122E-01	110E-01	8.61E-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	3.74E-01	8.99E-07	1.55E-06	1.52E-02	2.46E-04	2.05E-02	3.49E-01	2.04E-01	7.19E-08	2.69E-02	1.93E-01	2.61E-06	1.49E-08	4.95E-02	4.46E-03	6.99E-01	5.74E-02	2.05E-02	6.84E-03	2.95E-02	1.24E-01	0.00E-00	0.00E-00	3.47E-05	6.67E-00	
HNB100Z	134E-01	106E-01	3.56E-02	1.43E-01	1.58E-05	0.00E-00	2.88E-03	8.92E-04	1.08E-02	1.26E-01	1.47E-02	8.88E-01	6.16E-07	1.72E-06	1.58E-02	2.95E-04	2.00E-02	3.18E-01	1.72E-01	6.25E-08	2.64E-02	1.21E-01	1.88E-06	1.97E-08	3.88E-02	3.19E-03	5.16E-01	4.62E-04	2.98E-02	5.84E-03	3.05E-02	2.61E-02	1.06E-01	0.00E-00	0.00E-00	1.74E-05	7.27E-00
HNB101H	186E-01	137E-01	-8.76E-02	1.66E-01	8.56E-05	0.00E-00	3.77E-03	8.99E-04	1.50E-02	1.68E-01	2.21E-02	1.20E-02	8.17E-07	1.83E-06	1.76E-02	2.87E-04	2.36E-02	3.70E-01	2.43E-01	8.42E-08	2.95E-02	1.53E-01	2.93E-06	1.91E-08	6.01E-02	5.31E-03	7.81E-01	6.03E-04	3.13E-02	7.69E-03	3.13E-02	3.09E-02	1.37E-01	0.00E-00	0.00E-00	3.47E-05	1.03E-01
HNB101U	186E-01	137E-01	-4.76E-02	1.66E-01	8.56E-05	0.00E-00	3.77E-03	8.99E-04	1.50E-02	1.68E-01	2.21E-02	1.20E-02	8.17E-07	1.83E-06	1.76E-02	2.87E-04	2.36E-02	3.70E-01	2.43E-01	8.42E-08	2.95E-02	1.53E-01	2.93E-06	1.91E-08	6.01E-02	5.31E-03	7.81E-01	6.03E-04	3.13E-02	7.69E-03	3.13E-02	3.09E-02	1.37E-01	0.00E-00	0.00E-00	3.47E-05	1.03E-01
HNB101Z	129E-01	129E-01	-4.29E-02	1.26E-01	7.36E-05	0.00E-00	2.78E-03	8.78E-04	1.05E-02	1.12E-01	1.93E-02	1.12E-02	8.91E-06	1.43E-06	1.33E-02	2.49E-04	2.14E-02	2.75E-01	1.98E-01	7.84E-08	2.93E-02	1.12E-01	1.97E-06	1.79E-08	4.37E-02	4.79E-03	5.99E-01	3.07E-04	2.11E-02	6.92E-03	2.11E-02	2.23E-02	8.47E-01	0.00E-00	0.00E-00	0.00E-00	8.55E-00
HNB102H	186E-01	137E-01	-8.76E-02	1.66E-01	8.56E-05	0.00E-00	3.77E-03	8.99E-04	1.50E-02	1.68E-01	2.21E-02	1.20E-02	8.17E-07	1.83E-06	1.76E-02	2.87E-04	2.36E-02	3.70E-01	2.43E-01	8.42E-08	2.95E-02	1.53E-01	2.93E-06	1.91E-08	6.01E-02	5.31E-03	7.81E-01	6.03E-04	3.13E-02	7.69E-03	3.13E-02	3.09E-02	1.37E-01	0.00E-00	0.00E-00	3.47E-05	1.03E-01
HNB102U	186E-01	137E-01	-8.76E-02	1.66E-01	8.56E-05	0.00E-00	3.77E-03	8.99E-04	1.50E-02	1.68E-01	2.21E-02	1.20E-02	8.17E-07	1.83E-06	1.76E-02	2.87E-04	2.36E-02	3.70E-01	2.43E-01	8.42E-08	2.95E-02	1.53E-01	2.93E-06	1.91E-08	6.01E-02	5.31E-03	7.81E-01	6.03E-04	3.13E-02	7.69E-03	3.13E-02	3.09E-02	1.37E-01	0.00E-00	0.00E-00	3.47E-05	1.03E-01
HNB102Z	151E-01	119E-01	-1.91E-01	1.40E-01	6.22E-05	0.00E-00	3.39E-03	7.14E-04	1.34E-02	1.51E-01	1.87E-02	9.45E-01	8.20E-07	1.51E-06	1.40E-02	2.22E-04	2.79E-02	3.44E-01	1.85E-01	6.99E-08	2.92E-02	1.41E-01	2.56E-06	1.44E-08	5.99E-02	4.34E-03	6.90E-01	5.72E-04	2.85E-02	6.32E-03	2.85E-02	2.79E-02	1.22E-01	0.00E-00	0.00E-00	3.18E-05	8.20E-00
HNB126H	167E-01	132E-01	4.91E-02	1.34E-01	7.98E-05	0.00E-00	3.79E-03	8.43E-04	1.33E-02	1.48E-01	1.80E-02	1.16E-02	8.84E-06	1.58E-06	1.47E-02	2.88E-04	2.51E-02	3.37E-01	2.16E-01	7.80E-08	2.44E-02	1.43E-01	2.20E-06	1.86E-08	5.11E-02	5.26E-03	7.10E-01	5.55E-01	2.98E-02	7.43E-03	2.58E-02	2.74E-02	1.24E-01	0.00E-00	0.00E-00	5.17E-06	9.24E-00
HNB126U	183E-01	136E-01	-8.83E-02	1.66E-01	8.42E-05	0.00E-00	3.71E-03	8.87E-04	1.47E-02	1.86E-01	2.18E-02	1.18E-02	8.16E-07	1.80E-06	1.74E-02	2.85E-04	2.34E-02	3.65E-01	2.36E-01	8.28E-08	2.92E-02	1.53E-01	2.93E-06	1.87E-08	5.93E-02	5.23E-03	7.71E-01	5.99E-01	3.09E-02	7.97E-03	3.16E-02	3.02E-02	1.36E-01	0.00E-00	0.00E-00	3.47E-05	1.02E-01
HNB126Z	161E-01	140E-01	8.91E-02	1.67E-01	8.17E-05	0.00E-00	3.81E-03	8.49E-04	1.49E-02	1.86E-01	2.17E-02	1.18E-02	8.16E-07	1.80E-06	1.74E-02	2.85E-04	2.34E-02	3.65E-01	2.36E-01	8.27E-08	2.92E-02	1.53E-01	2.93E-06	1.87E-08	5.97E-02	5.23E-03	7.81E-01	6.03E-04	3.14E-02	7.69E-03	3.16E-02	3.02E-02	1.36E-01	0.00E-00	0.00E-00	3.47E-05	1.02E-01
HNB127H	186E-01	137E-01	-8.76E-02	1.66E-01	8.56E-05	0.00E-00	3.77E-03	8.99E-04	1.49E-02	1.68E-01	2.21E-02	1.20E-02	8.17E-07	1.83E-06	1.76E-02	2.87E-04	2.36E-02	3.70E-01	2.43E-01	8.42E-08	2.95E-02	1.53E-01	2.93E-06	1.91E-08	6.01E-02	5.31E-03	7.81E-01	6.03E-04	3.13E-02	7.69E-03	3.13E-02	3.09E-02	1.37E-01	0.00E-00	0.00E-00	3.47E-05	1.03E-01
HNB150H	134E-01	104E-01	37.92E-02	1.05E-01	6.37E-05	0.00E-00	2.94E-03	8.82E-04	1.11E-02	1.26E-01	1.44E-02	3.57E-01	6.93E-06	1.24E-06	1.16E-02	2.19E-04	1.99E-02	2.64E-01	1.71E-01	6.25E-08	1.92E-02	1.94E-01	1.71E-06	1.46E-08	4.16E-02	4.16E-03	5.48E-01	4.88E-01	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	121E-01	101E-01	8.89E-02	1.00E-01</																																	

HNS080DR	1255-01	132E-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	1.86E-02	4.85E-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-05	4.70E+00	3.88E+00	1.47E-03	3.88E-02	3.77E+02	1.11E-01	0.00E+00	0.00E+00	1.31E-04	5.65E-09
HNS081BC	120E-01	1.11E-01	-1.83E-01	1.13E-01	6.49E-05	0.00E+00	4.13E-03	8.67E-04	1.26E-02	1.27E-01	1.27E-02	3.33E-01	4.18E-07	9.74E-07	8.51E-01	1.97E+00	1.86E-02	3.17E-01	1.40E-01	3.02E+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+00	2.01E-03	3.02E+02	3.13E+02	1.25E-01	0.00E+00	0.00E+00	2.06E-04	5.98E-09
HNS081BR	131E-01	1.54E-01	-1.32E-01	1.56E-01	6.08E-05	0.00E+00	4.49E-03	1.03E-03	2.08E-02	2.28E-01	1.33E-02	6.54E-01	4.14E-07	1.17E-06	1.03E+00	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.02E+00	3.02E-02	1.56E-01	4.09E-06	1.12E-06	7.00E-02	1.73E-03	7.05E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.06E+02	1.27E-01	0.00E+00	0.00E+00	1.26E-04	6.89E-09
HNS081DC	121E-01	1.14E-01	-2.04E-01	1.15E-01	6.51E-05	0.00E+00	4.83E-03	8.69E-04	1.28E-02	1.31E-01	1.28E-02	3.20E-01	4.27E-07	9.32E-07	8.50E-01	1.98E+00	1.75E-02	3.17E-01	1.41E-01	3.70E+00	2.91E-02	1.40E-01	3.78E-06	9.83E-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-09
HNS081DR	130E-01	1.53E-01	-1.14E-01	1.53E-01	6.28E-05	0.00E+00	4.30E-03	1.05E-03	2.07E-02	2.24E-01	1.32E-02	6.58E-01	4.23E-07	1.12E-06	1.03E+00	2.76E+00	2.18E-02	4.72E-01	1.58E-01	3.47E+00	3.02E-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	1.69E-03	3.77E+02	3.85E+02	1.24E-01	0.00E+00	0.00E+00	1.33E-04	6.87E-09
HNS100BC	118E-01	1.12E-01	-1.99E-01	1.14E-01	3.04E-05	0.00E+00	4.12E-03	8.63E-04	1.25E-02	1.23E-01	1.19E-02	4.07E-01	4.64E-07	7.44E-07	6.53E-01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.28E+00	2.87E-02	1.27E-01	3.51E-06	8.63E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.39E-03	3.02E+02	3.13E+02	1.21E-01	0.00E+00	0.00E+00	2.16E-04	4.56E-09
HNS100BR	128E-01	1.53E-01	-1.30E-01	1.51E-01	2.19E-05	0.00E+00	4.03E-03	1.02E-03	2.05E-02	2.20E-01	1.22E-02	6.33E-01	4.60E-07	1.06E-06	8.01E-01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.03E-02	1.42E-01	4.03E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.79E+02	1.63E-03	3.79E+02	3.82E+02	1.19E-01	0.00E+00	0.00E+00	1.29E-04	5.67E-09
HNS100DC	118E-01	1.12E-01	-1.81E-01	1.14E-01	2.87E-05	0.00E+00	4.11E-03	8.63E-04	1.25E-02	1.23E-01	1.19E-02	4.06E-01	4.64E-07	7.44E-07	6.53E-01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.28E+00	2.87E-02	1.27E-01	3.51E-06	8.63E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+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	4.54E-09
HNS100DR	120E-01	1.52E-01	-1.19E-01	1.51E-01	1.93E-05	0.00E+00	4.37E-03	1.02E-03	2.05E-02	2.11E-01	1.19E-02	4.29E-01	4.24E-07	1.05E-06	7.99E-01	2.70E+00	1.86E-02	4.68E-01	1.31E-01	2.72E+00	3.49E-02	1.22E-01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.92E-05	4.70E+00	3.88E+00	1.44E-03	3.88E-02	3.77E+02	1.11E-01	0.00E+00	0.00E+00	1.31E-04	5.65E-09
HNS101BC	120E-01	1.12E-01	-1.96E-01	1.14E-01	6.50E-05	0.00E+00	4.16E-03	8.66E-04	1.25E-02	1.27E-01	1.27E-02	3.28E-01	4.15E-07	9.78E-07	8.50E-01	1.98E+00	1.86E-02	3.17E-01	1.40E-01	3.02E+00	2.87E-02	1.30E-01	3.67E-06	9.83E-07	4.02E-02	1.80E-03	6.44E+00	5.34E+00	3.02E+00	2.01E-03	3.02E+02	3.13E+02	1.25E-01	0.00E+00	0.00E+00	2.06E-04	5.98E-09
HNS101BR	131E-01	1.54E-01	-1.32E-01	1.56E-01	6.08E-05	0.00E+00	4.49E-03	1.03E-03	2.08E-02	2.28E-01	1.33E-02	6.54E-01	4.14E-07	1.17E-06	1.03E+00	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.02E+00	3.02E-02	1.56E-01	4.10E-06	1.12E-06	7.00E-02	1.73E-03	7.05E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.06E+02	1.27E-01	0.00E+00	0.00E+00	1.26E-04	6.89E-09
HNS101DC	121E-01	1.14E-01	-2.04E-01	1.15E-01	6.51E-05	0.00E+00	4.83E-03	8.69E-04	1.27E-02	1.31E-01	1.28E-02	3.20E-01	4.18E-07	9.32E-07	8.50E-01	1.98E+00	1.75E-02	3.17E-01	1.41E-01	3.70E+00	2.91E-02	1.40E-01	3.78E-06	9.83E-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-09
HNS101DR	130E-01	1.53E-01	-1.14E-01	1.53E-01	6.28E-05	0.00E+00	4.30E-03	1.05E-03	2.07E-02	2.24E-01	1.32E-02	6.58E-01	4.23E-07	1.12E-06	1.03E+00	2.76E+00	2.18E-02	4.72E-01	1.58E-01	3.47E+00	3.02E-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	1.69E-03	3.77E+02	3.85E+02	1.24E-01	0.00E+00	0.00E+00	1.33E-04	6.87E-09
HNS102DC	120E-01	1.12E-01	-1.95E-01	1.14E-01	3.04E-05	0.00E+00	4.12E-03	8.63E-04	1.25E-02	1.23E-01	1.19E-02	4.07E-01	4.64E-07	7.44E-07	6.53E-01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.28E+00	2.87E-02	1.27E-01	3.51E-06	8.63E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.39E-03	3.02E+02	3.13E+02	1.21E-01	0.00E+00	0.00E+00	2.16E-04	4.56E-09
HNS125BC	118E-01	1.12E-01	-1.82E-01	1.13E-01	2.82E-05	0.00E+00	4.32E-03	8.35E-04	1.13E-02	1.07E-01	1.04E-02	4.19E-01	4.80E-07	7.64E-07	6.63E-01	1.92E+00	1.45E-02	2.88E-01	1.04E-01	3.12E+00	2.71E-02	1.07E-01	3.45E-06	8.59E-07	4.05E-02	1.27E-03	6.48E+00	5.37E+00	2.27E+02	2.13E-03	2.27E+02	2.50E+02	8.43E-04	0.00E+00	0.00E+00	2.09E-04	4.53E-09
HNS125BR	128E-01	1.53E-01	-1.14E-01	1.51E-01	2.19E-05	0.00E+00	4.03E-03	1.02E-03	2.05E-02	2.20E-01	1.22E-02	6.33E-01	4.60E-07	1.06E-06	8.01E-01	2.74E+00	1.74E-02	4.67E-01	1.32E-01	2.81E+00	3.03E-02	1.42E-01	4.03E-06	1.02E-06	7.40E-02	1.24E-03	6.79E+00	5.16E+00	3.79E+02	1.63E-03	3.79E+02	3.82E+02	1.19E-01	0.00E+00	0.00E+00	1.29E-04	5.67E-09
HNS125DC	118E-01	1.12E-01	-1.94E-01	1.14E-01	3.04E-05	0.00E+00	4.18E-03	8.63E-04	1.27E-02	1.27E-01	1.19E-02	4.06E-01	4.64E-07	7.44E-07	6.53E-01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.28E+00	2.87E-02	1.27E-01	3.51E-06	8.63E-07	4.01E-02	1.33E-03	6.51E+00	5.20E+00	3.02E+02	2.20E-03	2.99E+02	3.10E+02	1.19E-01	0.00E+00	0.00E+00	2.17E-04	4.54E-09
HNS125DR	120E-01	1.52E-01	-1.19E-01	1.51E-01	1.93E-05	0.00E+00	4.37E-03	1.02E-03	2.05E-02	2.11E-01	1.19E-02	4.29E-01	4.24E-07	1.05E-06	7.99E-01	2.70E+00	1.86E-02	4.68E-01	1.31E-01	2.72E+00	3.49E-02	1.22E-01	4.02E-06	1.02E-06	7.40E-02	1.20E-03	5.92E-05	4.70E+00	3.88E+00	1.44E-03	3.88E-02	3.77E+02	1.11E-01	0.00E+00	0.00E+00	1.31E-04	5.65E-09
HNS126BC	121E-01	1.14E-01	-1.95E-01	1.14E-01	6.49E-05	0.00E+00	4.16E-03	8.67E-04	1.26E-02	1.26E-01	1.27E-02	3.41E-01	4.15E-07	9.78E-07	8.50E-01	1.97E+00	1.86E-02	3.17E-01	1.40E-01	3.02E+00	2.87E-02	1.30E-01	3.67E-06	9.83E-07	4.02E-02	1.80E-03	6.44E+00	5.34E+00	3.02E+00	2.01E-03	3.02E+02	3.13E+02	1.25E-01	0.00E+00	0.00E+00	2.06E-04	5.98E-09
HNS126BR	131E-01	1.54E-01	-1.10E-01	1.56E-01	6.08E-05	0.00E+00	4.45E-03	1.03E-03	2.08E-02	2.28E-01	1.33E-02	6.57E-01	4.14E-07	1.17E-06	1.03E+00	2.77E+00	2.18E-02	4.81E-01	1.60E-01	3.02E+00	3.02E-02	1.56E-01	4.10E-06	1.12E-06	7.00E-02	1.73E-03	7.05E+00	5.48E+00	3.77E+02	2.14E-03	3.77E+02	3.06E+02	1.27E-01	0.00E+00	0.00E+00	1.26E-04	6.89E-09
HNS126DC	121E-01	1.14E-01	-2.00E-01	1.17E-01	6.52E-05	0.00E+00	4.88E-03	8.71E-04	1.30E-02	1.36E-01	1.30E-02	3.37E-01	4.18E-07	1.02E-06	8.81E-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	9.83E-07	4.16E-02	1.81E-03	6.77E+00	5.78E+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-09
HNS126DR	130E-01	1.53E-01	-1.04E-01	1.53E-01	6.28E-05	0.00E+00	4.38E-03	1.02E-03	2.07E-02	2.24E-01	1.32E-02	6.58E-01	4.23E-07	1.12E-06	1.03E+00	2.76E+00	2.18E-02	4.72E-01	1.58E-01	3.47E+00	3.02E-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	1.69E-03	3.77E+02	3.85E+02	1.24E-01	0.00E+00	0.00E+00	1.33E-04	6.87E-09
HNS127DC	120E-01	1.12E-01	-1.95E-01	1.14E-01	3.04E-05	0.00E+00	4.12E-03	8.63E-04	1.25E-02	1.23E-01	1.19E-02	4.07E-01	4.64E-07	7.44E-07	6.53E-01	1.95E+00	1.47E-02	3.17E-01	1.05E-01	3.28E+00	2.87E-02	1.27E-01	3.51E-06	8.63E-07	4.01E-02	1.33E-03	6.50E+00	5.20E+00	3.02E+02	2.39E-03	3.02E+02	3.13E+02	1.21E-01	0.00E+00	0.00E+00	2.16E-04	4.56E-09
HNS160BC	118E-01	1.12E-01	-1.79E-01	1.13E-01	2.82E-05	0.00E+00	4.21E-03	8.44E-04	1.19E-02	1.16E-01	1.09E-02	4.41E-01	4.83E-07	7.44E-07	6.67E-01	1.93E+00	1.45E-02	2.88E-01	1.04E-01	3.12E+00	2.71E-02	1.07E-01	3.45E-06	8.59E-07	4.05E-02	1.27E-03	6.48E+00	5.37E+00	2.27E+02	2.13E-03	2.27E+02	2.50E+02	8.43E-04	0.00E+00	0.00E+00	2.09E-04	4.53E-09
HNS160BR	127E-01	1.53E-01	-1.02E-01	1.50E-01	2.19E-05	0.00E+00	4.13E-03	1.02E-03	2.04E-02	2.18E-01	1.22E-02	6.47E-01	4.62E-07	1.06E-06	8.08E-01	2.74E+00	1.74E-02	4.68E-01	1.32E-01	2.78E+00	3.03E-02	1.42E-01	4.03E-06	1.02E-06	7.40E-02	1.24E-03	6.80E+00	5.16E+00	3.79E+02	1.63E-03	3.79E+02	3.82E+02	1.19E-01	0.00E+00	0.00E+00	1.	

Distribution A4	HST100DR	1.88E-01	1.82E-01	1.70E-01	1.64E-01	5.61E-05	0.00E+00	6.21E+03	8.00E-04	1.79E-02	1.88E-01	1.89E-02	7.97E-01	3.55E-07	1.40E-08	1.30E-04	2.87E+00	2.34E-02	4.79E-01	1.91E-01	4.00E+00	3.77E-02	1.61E+01	4.02E-08	1.37E-08	7.04E-02	2.05E-03	7.48E-01	6.34E-01	3.91E+02	1.88E-03	3.91E-02	4.15E-02	1.31E-01	0.00E+00	0.00E+00	4.13E-05	6.10E-04
	HST101DR	1.98E-01	1.88E-01	1.74E-01	1.68E-01	6.92E-05	0.00E+00	7.12E+03	1.18E-03	2.02E-02	2.10E-01	2.23E-02	8.46E-01	1.60E-06	1.62E-08	1.62E-04	3.55E+00	3.41E-02	5.03E-01	2.38E-01	4.80E+00	4.09E-02	1.87E+01	4.58E-08	1.42E-08	7.74E-02	2.20E-03	8.68E-01	7.23E-01	4.32E+02	2.34E-03	4.32E-02	4.37E-02	1.62E-01	0.00E+00	0.00E+00	8.83E-05	1.01E-04
	HST125DR	1.68E-01	1.62E-01	1.50E-01	1.44E-01	5.62E-05	0.00E+00	6.23E+03	8.11E-04	1.79E-02	1.83E-01	1.89E-02	7.97E-01	3.50E-07	1.40E-08	1.30E-04	2.88E+00	2.34E-02	4.79E-01	1.91E-01	3.90E+00	3.77E-02	1.61E+01	4.02E-08	1.37E-08	7.04E-02	2.05E-03	7.48E-01	6.28E-01	3.91E+02	1.91E-03	3.91E-02	4.15E-02	1.34E-01	0.00E+00	0.00E+00	4.13E-05	6.10E-04
	HST126DR	1.80E-01	1.82E-01	1.74E-01	1.68E-01	5.52E-05	0.00E+00	6.70E+03	1.13E-03	1.89E-02	1.97E-01	1.95E-02	7.91E-01	3.61E-07	1.58E-08	1.51E-04	3.39E+00	2.70E-02	4.79E-01	2.12E-01	4.05E+00	3.77E-02	1.75E+01	4.06E-08	1.37E-08	7.08E-02	2.08E-03	8.05E-01	6.81E-01	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-04
	HST160DR	1.98E-01	1.82E-01	1.68E-01	1.62E-01	5.61E-05	0.00E+00	6.23E+03	8.11E-04	1.79E-02	1.89E-01	1.89E-02	7.99E-01	3.61E-07	1.58E-08	1.51E-04	3.39E+00	2.70E-02	4.79E-01	1.91E-01	4.05E+00	3.77E-02	1.61E+01	4.06E-08	1.37E-08	7.05E-02	2.05E-03	7.50E-01	6.34E-01	3.91E+02	1.92E-03	3.91E-02	4.15E-02	1.38E-01	0.00E+00	0.00E+00	4.13E-05	6.10E-04
	HST161DR	1.98E-01	1.87E-01	1.74E-01	1.68E-01	5.74E-05	0.00E+00	7.00E+03	1.14E-03	2.02E-02	2.16E-01	2.23E-02	8.39E-01	1.08E-06	1.61E-08	1.62E-04	3.39E+00	3.40E-02	5.03E-01	2.37E-01	4.89E+00	4.09E-02	1.87E+01	4.58E-08	1.42E-08	7.75E-02	2.20E-03	8.68E-01	7.23E-01	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-04
	HST200DR	1.68E-01	1.63E-01	1.50E-01	1.43E-01	5.62E-05	0.00E+00	6.27E+03	8.13E-04	1.74E-02	1.83E-01	1.89E-02	8.07E-01	2.53E-07	1.40E-08	1.30E-04	2.90E+00	2.33E-02	4.69E-01	1.91E-01	3.90E+00	3.77E-02	1.61E+01	4.04E-08	1.38E-08	6.21E-02	2.05E-03	7.43E-01	6.16E-01	3.82E+02	1.93E-03	3.92E-02	4.05E-02	1.37E-01	0.00E+00	0.00E+00	4.81E-05	6.11E-04
	HST201DR	1.98E-01	1.89E-01	1.76E-01	1.70E-01	5.79E-05	0.00E+00	7.04E+03	1.15E-03	1.97E-02	2.11E-01	2.13E-02	8.44E-01	9.87E-07	1.61E-08	1.62E-04	3.41E+00	3.40E-02	4.91E-01	2.38E-01	4.88E+00	4.09E-02	1.86E+01	4.56E-08	1.42E-08	7.00E-02	2.08E-03	8.62E-01	7.08E-01	4.32E+02	2.34E-03	4.23E-02	4.27E-02	1.57E-01	0.00E+00	0.00E+00	6.91E-05	1.01E-04
	HST250DR	1.71E-01	1.61E-01	1.48E-01	1.42E-01	5.57E-05	0.00E+00	6.85E+03	8.14E-04	1.72E-02	1.93E-01	1.70E-02	7.97E-01	3.48E-07	1.42E-08	1.31E-04	3.11E+00	2.34E-02	4.62E-01	1.91E-01	4.01E+00	3.67E-02	1.67E+01	4.04E-08	1.37E-08	6.19E-02	2.05E-03	7.55E-01	6.48E-01	3.79E-02	1.92E-02	4.04E-02	1.32E-01	0.00E+00	0.00E+00	5.19E-05	6.11E-04	
	HST251DR	1.98E-01	1.85E-01	1.74E-01	1.68E-01	5.79E-05	0.00E+00	7.00E+03	1.13E-03	2.02E-02	2.11E-01	2.23E-02	8.33E-01	1.04E-06	1.62E-08	1.62E-04	3.39E+00	3.40E-02	5.03E-01	2.37E-01	4.90E+00	3.97E-02	1.67E+01	4.06E-08	1.42E-08	6.99E-02	2.11E-03	7.82E-01	6.34E-01	3.91E+02	2.35E-03	4.12E-02	4.26E-02	1.62E-01	0.00E+00	0.00E+00	6.15E-05	1.01E-04
	HEJ630DE	4.81E-01	3.94E-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-08	3.72E-04	4.27E+00	6.57E-02	9.22E-01	4.32E-01	1.54E+01	9.77E-02	2.70E+01	8.82E-08	3.37E-08	1.54E-01	6.57E-03	2.17E-01	1.19E-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-04
	HEJ631DE	5.82E-01	4.89E-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	6.14E-02	2.89E-02	8.85E-06	5.12E-08	4.78E-04	8.30E+00	8.26E-02	1.22E+00	6.21E-01	1.88E+01	9.79E-02	3.42E+01	1.02E-08	4.20E-08	1.95E-01	8.10E-03	2.72E-01	1.39E-01	1.01E-02	2.10E-02	1.01E-02	1.05E-02	4.07E-01	0.00E+00	0.00E+00	5.13E-04	2.67E-04
	HEJ631EE	8.80E-01	4.79E-01	1.16E-01	4.79E-01	1.42E-04	0.00E+00	1.10E+04	2.72E-03	5.36E-02	5.77E-01	6.13E-02	2.89E-02	8.95E-06	5.10E-08	4.75E-04	8.30E+00	8.26E-02	1.22E+00	6.19E-01	1.88E+01	9.77E-02	3.41E+01	1.02E-08	4.19E-08	1.94E-01	8.03E-03	2.72E-01	1.39E-01	1.01E-02	2.07E-02	1.01E-02	1.05E-02	4.06E-01	0.00E+00	0.00E+00	5.23E-04	2.66E-04
	HEJ632DE	5.81E-01	4.89E-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	2.89E-02	8.85E-06	5.12E-08	4.78E-04	8.30E+00	8.26E-02	1.22E+00	6.19E-01	1.88E+01	9.79E-02	3.42E+01	1.02E-08	4.20E-08	1.95E-01	8.10E-03	2.72E-01	1.39E-01	1.01E-02	2.10E-02	1.01E-02	1.05E-02	4.07E-01	0.00E+00	0.00E+00	5.13E-04	2.67E-04
	HEW630DE	4.81E-01	3.94E-01	3.16E-02	3.81E-01	1.04E-04	0.00E+00	8.98E+03	1.37E-03	4.31E-02	4.58E-01	4.89E-02	2.25E-02	9.79E-06	4.01E-08	3.72E-04	4.27E+00	6.57E-02	9.22E-01	4.32E-01	1.54E+01	9.77E-02	2.70E+01	8.82E-08	3.37E-08	1.54E-01	6.57E-03	2.17E-01	1.19E-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-04
	HEW631DE	5.81E-01	4.89E-01	1.20E-01	4.80E-01	1.42E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.77E-01	6.14E-02	2.89E-02	8.85E-06	5.12E-08	4.78E-04	8.31E+00	8.26E-02	1.21E+00	6.18E-01	1.88E+01	9.79E-02	3.42E+01	1.02E-08	4.20E-08	1.94E-01	8.10E-03	2.69E-01	1.39E-01	1.01E-02	2.10E-02	1.01E-02	1.05E-02	4.07E-01	0.00E+00	0.00E+00	5.13E-04	2.67E-04
	HEW632DE	5.80E-01	4.79E-01	1.20E-01	4.80E-01	1.42E-04	0.00E+00	1.20E+04	2.72E-03	5.40E-02	5.77E-01	6.13E-02	2.89E-02	8.85E-06	5.12E-08	4.78E-04	8.30E+00	8.26E-02	1.21E+00	6.17E-01	1.88E+01	9.79E-02	3.42E+01	1.02E-08	4.19E-08	1.94E-01	8.03E-03	2.69E-01	1.39E-01	1.01E-02	2.07E-02	1.01E-02	1.05E-02	4.07E-01	0.00E+00	0.00E+00	5.13E-04	2.67E-04
	HHJ630DE	4.81E-01	3.94E-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-08	3.72E-04	4.27E+00	6.57E-02	9.22E-01	4.32E-01	1.54E+01	9.77E-02	2.70E+01	8.82E-08	3.37E-08	1.54E-01	6.57E-03	2.17E-01	1.19E-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-04
	HHJ631EE	5.80E-01	4.79E-01	1.16E-01	4.79E-01	1.42E-04	0.00E+00	1.10E+04	2.72E-03	5.36E-02	5.77E-01	6.13E-02	2.89E-02	8.95E-06	5.10E-08	4.75E-04	8.30E+00	8.26E-02	1.22E+00	6.19E-01	1.88E+01	9.77E-02	3.41E+01	1.02E-08	4.19E-08	1.94E-01	8.03E-03	2.72E-01	1.39E-01	1.01E-02	2.07E-02	1.01E-02	1.05E-02	4.06E-01	0.00E+00	0.00E+00	5.23E-04	2.66E-04
	HHJ632DE	5.81E-01	4.89E-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	6.14E-02	2.89E-02	8.85E-06	5.12E-08	4.78E-04	8.30E+00	8.26E-02	1.21E+00	6.18E-01	1.88E+01	9.79E-02	3.42E+01	1.02E-08	4.20E-08	1.95E-01	8.10E-03	2.72E-01	1.39E-01	1.01E-02	2.10E-02	1.01E-02	1.05E-02	4.07E-01	0.00E+00	0.00E+00	5.13E-04	2.67E-04
	HHW630DE	4.81E-01	3.94E-01	3.16E-02	3.81E-01	1.04E-04	0.00E+00	8.98E+03	1.37E-03	4.31E-02	4.58E-01	4.89E-02	2.25E-02	9.79E-06	4.01E-08	3.72E-04	4.28E+00	6.57E-02	9.21E-01	4.32E-01	1.54E+01	9.77E-02	2.69E+01	8.81E-08	3.37E-08	1.55E-01	6.57E-03	2.17E-01	1.19E-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-04
	HHW631DE	5.81E-01	4.89E-01	1.20E-01	4.80E-01	1.42E-04	0.00E+00	1.21E+04	2.72E-03	5.40E-02	5.77E-01	6.14E-02	2.89E-02	8.85E-06	5.12E-08	4.78E-04	8.31E+00	8.26E-02	1.21E+00	6.18E-01	1.88E+01	9.79E-02	3.42E+01	1.02E-08	4.20E-08	1.95E-01	8.10E-03	2.69E-01	1.39E-01	1.01E-02	2.10E-02	1.01E-02	1.05E-02	4.07E-01	0.00E+00	0.00E+00	5.13E-04	2.67E-04
	HHW632DE	5.80E-01	4.79E-01	1.20E-01	4.80E-01	1.42E-04	0.00E+00	1.20E+04	2.72E-03	5.40E-02	5.77E-01	6.13E-02	2.89E-02	8.85E-06	5.12E-08	4.78E-04	8.30E+00	8.26E-02	1.21E+00	6.18E-01	1.88E+01	9.79E-02	3.42E+01	1.02E-08	4.19E-08	1.94E-01	8.03E-03	2.69E-01	1.39E-01	1.01E-02	2.07E-02	1.01E-02	1.05E-02	4.07E-01	0.00E+00	0.00E+00	5.13E-04	2.67E-04
	HMJ631DE	5.82E-01	4.89E-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	6.14E-02	2.89E-02	8.85E-06	5.12E-08	4.78E-04	8.30E+00	8.26E-02	1.21E+00	6.21E-01	1.88E+01	9.79E-02	3.42E+01	1.02E-08	4.20E-08	1.95E-01	8.10E-03	2.72E-01	1.39E-01	1.01E-02	2.10E-02	1.01E-02	1.05E-02	4.07E-01	0.00E+00	0.00E+00	5.13E-04	2.67E-04
	HMJ631EE	5.80E-01	4.79E-01	1.16E-01	4.79E-01	1.42E-04	0.00E+00	1.10E+04	2.72E-03	5.36E-02	5.77E-01	6.13E-02	2.89E-02	8.95E-06	5.10E-08	4.75E-04	8.30E+00	8.26E-02	1.22E+00	6.19E-01	1.88E+01	9.77E-02	3.41E+01	1.02E-08	4.19E-08	1.94E-01	8.03E-03	2.72E-01	1.39E-01	1.01E-02	2.07E-02	1.01E-02	1.05E-02	4.				

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	2.02E-03	3.03E-02	0.00E+00	0.00E+00	5.84E-12	1.44E-10	8.45E-04	0.00E+00	0.00E+00	0.00E+00	3.33E-05	1.31E-03	5.57E+00	0.00E+00	5.28E-10	5.96E-08	8.07E-03	8.72E-06	6.75E-03	0.00E+00	5.57E+00	1.58E-04	5.37E+00	5.73E+00	6.75E-03	0.00E+00	0.00E+00	0.00E+00	1.33E-03
HDA078Z	4.98E-04	7.85E-02	0.00E+00	7.85E-02	0.00E+00	0.00E+00	5.15E-02	2.05E-08	2.33E-04	2.93E-02	0.00E+00	0.00E+00	1.38E-12	2.67E-11	1.91E-04	0.00E+00	0.00E+00	0.00E+00	6.93E-08	2.79E-02	1.10E+00	0.00E+00	1.20E-10	4.05E-08	6.48E-04	1.96E-08	1.44E-03	0.00E+00	1.10E+00	3.09E-09	1.10E+00	1.10E+00	1.44E-03	0.00E+00	0.00E+00	0.00E+00	2.98E-04
HDA080L	1.14E-03	1.73E-01	0.00E+00	1.73E-01	0.00E+00	0.00E+00	1.13E-01	8.36E-04	5.37E-04	5.88E-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	1.48E-05	6.19E-02	2.43E+00	0.00E+00	2.71E-10	9.48E-08	1.50E-03	4.42E-06	3.32E-03	0.00E+00	2.43E+00	6.71E-09	2.43E+00	2.38E+00	3.32E-03	0.00E+00	0.00E+00	0.00E+00	6.68E-04
HDA080U	1.17E-03	1.84E-01	0.00E+00	1.84E-01	0.00E+00	0.00E+00	1.17E-01	8.91E-04	5.47E-04	6.00E-03	0.00E+00	0.00E+00	3.24E-12	6.27E-11	4.36E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.47E-02	2.50E+00	0.00E+00	2.83E-10	9.48E-08	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	7.02E-04
HDA080Z	9.62E-03	2.88E-01	0.00E+00	2.88E-01	0.00E+00	0.00E+00	1.70E-01	1.25E-07	2.53E-03	2.76E-02	0.00E+00	0.00E+00	4.34E-12	8.69E-11	4.96E-04	0.00E+00	0.00E+00	0.00E+00	2.34E-05	9.30E-02	3.60E+00	0.00E+00	3.00E-10	1.57E-08	6.31E-03	8.02E-06	4.74E-03	0.00E+00	3.60E+00	1.10E-09	3.60E+00	3.60E+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-04	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-02	3.44E+00	0.00E+00	3.78E-10	1.31E-08	2.09E-03	6.22E-06	4.61E-03	0.00E+00	3.44E+00	9.79E-09	3.44E+00	3.47E+00	4.61E-03	0.00E+00	0.00E+00	0.00E+00	9.43E-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	8.26E-04	0.00E+00	0.00E+00	0.00E+00	3.24E-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-09	5.47E+00	6.63E+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	2.58E-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	5.50E+00	0.00E+00	5.28E-10	5.97E-08	8.07E-03	8.72E-06	6.78E-03	0.00E+00	5.50E+00	1.57E-09	5.50E+00	6.69E+00	6.78E-03	0.00E+00	0.00E+00	0.00E+00	1.36E-03
HDA098Z	4.98E-04	7.85E-02	0.00E+00	7.85E-02	0.00E+00	0.00E+00	5.15E-02	2.05E-08	2.33E-04	2.93E-02	0.00E+00	0.00E+00	1.38E-12	2.67E-11	1.91E-04	0.00E+00	0.00E+00	0.00E+00	6.93E-08	2.79E-02	1.10E+00	0.00E+00	1.20E-10	4.05E-08	6.48E-04	1.96E-08	1.44E-03	0.00E+00	1.10E+00	3.09E-09	1.10E+00	1.10E+00	1.44E-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	8.31E-04	5.31E-04	5.83E-03	0.00E+00	0.00E+00	3.03E-12	5.97E-11	4.19E-04	0.00E+00	0.00E+00	0.00E+00	1.46E-05	6.12E-02	2.41E+00	0.00E+00	2.70E-10	9.40E-08	1.49E-03	4.35E-06	3.29E-03	0.00E+00	2.41E+00	6.64E-09	2.41E+00	2.39E+00	3.29E-03	0.00E+00	0.00E+00	0.00E+00	6.65E-04
HDA100Z	1.15E-03	1.81E-01	0.00E+00	1.81E-01	0.00E+00	0.00E+00	1.16E-01	8.79E-04	5.37E-04	5.93E-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	6.30E-02	2.50E+00	0.00E+00	2.77E-10	9.32E-08	1.49E-03	4.53E-06	3.37E-03	0.00E+00	2.50E+00	7.11E-09	2.50E+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-04	7.50E-04	8.26E-03	0.00E+00	0.00E+00	4.36E-12	8.39E-11	5.99E-04	0.00E+00	0.00E+00	0.00E+00	2.16E-05	8.84E-02	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	5.68E-12	1.44E-10	8.13E-04	0.00E+00	0.00E+00	0.00E+00	3.24E-05	1.29E-02	5.44E+00	0.00E+00	5.28E-10	5.87E-08	8.01E-03	8.63E-06	6.70E-03	0.00E+00	5.44E+00	1.53E-09	5.44E+00	6.62E+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	2.54E-01	1.56E-07	2.89E-03	3.06E-02	0.00E+00	0.00E+00	5.71E-12	1.45E-10	8.16E-04	0.00E+00	0.00E+00	0.00E+00	3.16E-05	1.27E-02	5.51E+00	0.00E+00	5.16E-10	5.85E-08	8.02E-03	8.57E-06	6.57E-03	0.00E+00	5.51E+00	1.53E-09	5.51E+00	6.65E-03	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	2.79E-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-02	2.69E+00	0.00E+00	2.57E-10	6.32E-08	7.95E-03	6.52E-06	3.24E-03	0.00E+00	2.69E+00	7.83E-09	2.69E+00	2.69E+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	8.42E-04	5.38E-04	5.89E-03	0.00E+00	0.00E+00	3.05E-12	6.05E-11	4.25E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-05	6.21E-02	2.44E+00	0.00E+00	2.72E-10	9.48E-08	1.50E-03	4.44E-06	3.35E-03	0.00E+00	2.44E+00	6.73E-09	2.44E+00	2.45E+00	3.35E-03	0.00E+00	0.00E+00	0.00E+00	6.76E-04
HDA125U	1.16E-03	1.84E-01	0.00E+00	1.84E-01	0.00E+00	0.00E+00	1.20E-01	8.93E-04	5.46E-04	5.97E-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	6.43E-02	2.50E+00	0.00E+00	2.82E-10	9.47E-08	1.51E-03	4.59E-06	3.42E-03	0.00E+00	2.50E+00	7.24E-09	2.50E+00	2.57E+00	3.42E-03	0.00E+00	0.00E+00	0.00E+00	6.96E-04
HDA125Z	1.16E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	8.96E-04	5.45E-04	5.96E-03	0.00E+00	0.00E+00	3.22E-12	6.25E-11	4.47E-04	0.00E+00	0.00E+00	0.00E+00	1.62E-05	6.42E-02	2.49E+00	0.00E+00	2.82E-10	9.42E-08	1.50E-03	4.57E-06	3.41E-03	0.00E+00	2.49E+00	7.22E-09	2.49E+00	2.56E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	6.95E-04
HDA126L	1.60E-03	2.50E-01	0.00E+00	2.50E-01	0.00E+00	0.00E+00	1.68E-01	9.39E-04	7.56E-04	8.33E-03	0.00E+00	0.00E+00	4.50E-12	8.16E-11	6.33E-04	0.00E+00	0.00E+00	0.00E+00	2.26E-05	8.99E-02	3.57E+00	0.00E+00	3.52E-10	1.32E-08	2.10E-03	6.33E-06	4.78E-03	0.00E+00	3.57E+00	1.01E-09	3.57E+00	3.56E+00	4.78E-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	2.79E-03	2.93E-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	1.39E-02	5.69E+00	0.00E+00	5.78E-10	5.93E-08	7.74E-03	8.87E-06	7.23E-03	0.00E+00	5.69E+00	1.66E-09	5.69E+00	6.82E+00	7.23E-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	6.36E-12	1.47E-10	8.96E-04	0.00E+00	0.00E+00	0.00E+00	3.45E-05	1.39E-02	5.69E+00	0.00E+00	5.82E-10	5.98E-08	7.84E-03	9.37E-06	7.02E-03	0.00E+00	5.69E+00	1.59E-09	5.69E+00	6.75E+00	7.02E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-03
HDA160L	1.22E-02	1.92E-01	0.00E+00	1.92E-01	0.00E+00	0.00E+00	1.18E-01	7.72E-08	5.71E-04	6.27E-03	0.00E+00	0.00E+00	3.18E-12	6.54E-11	4.69E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-05	6.73E-02	2.69E+00	0.00E+00	2.95E-10	9.31E-08	1.56E-03	4.81E-06	3.58E-03	0.00E+00	2.69E+00	7.97E-09	2.69E+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	8.77E-04	5.38E-04	5.88E-03	0.00E+00	0.00E+00	3.17E-12	6.46E-11	4.69E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-05	6.73E-02	2.62E+00	0.00E+00	2.95E-10	9.39E-08	1.56E-03	4.81E-06	3.58E-03	0.00E+00	2.62E+00	7.97E-09	2.62E+00	2.62E+00	3.58E-03	0.00E+00	0.00E+00	0.00E+00	6.88E-04
HDA160Z	1.16E-03	1.84E-01	0.00E+00	1.84E-01	0.00E+00	0.00E+00	1.21E-01	9.31E-04	5.44E-04	6.00E-03	0.00E+00	0.00E+00	3.23E-12	6.29E-11	4.84E-04	0.00E+00	0.00E+00	0.00E+00	1.63E-05	6.44E-02	2.59E+00	0.00E+00	2.82E-10	9.45E-08	1.51E-03	4.83E-06	3.43E-03	0.00E+00	2.59E+00	7.21E-09	2.59E+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	8.06E-04	6.41E-04	7.03E-03	0.00E+00	0.00E+00	3.75E-12	7.34E-11	5.26E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.37E-02	3.01E+00	0.00E+00	3.31E-10	1.11E-08	1.77E-03	3.39E-06	4.03E-03	0.00E+00	3.01E+00	8.49E-09	3.01E+00	3.01E+00	4.03E-03	0.			

HHA040U	113E-01	178E-01	0.00E+00	1.78E-01	0.00E+00	0.00E+00	1.17E-01	8.68E-08	5.29E-04	5.81E-03	0.00E+00	0.00E+00	1.13E-12	6.06E-11	4.13E-04	0.00E+00	0.00E+00	0.00E+00	1.58E-09	6.29E-03	2.49E+00	0.00E+00	2.73E-10	9.18E-09	1.46E-03	4.46E-08	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	8.77E-04
HHA040Z	9.02E-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-09	9.31E-03	3.87E+00	0.00E+00	3.02E-10	5.15E-08	6.31E-03	6.42E-08	4.75E-03	0.00E+00	3.87E+00	1.02E-09	3.87E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.75E-04
HHA041H	1.58E-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	7.75E-11	5.54E-04	0.00E+00	0.00E+00	0.00E+00	1.94E-09	8.00E-03	3.19E+00	0.00E+00	3.54E-10	1.30E-08	2.08E-03	1.84E-08	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	2.89E-03	2.98E-02	0.00E+00	0.00E+00	5.97E-12	1.46E-10	8.30E-04	0.00E+00	0.00E+00	0.00E+00	3.22E-09	1.30E-02	5.05E+00	0.00E+00	5.22E-10	5.97E-08	7.94E-03	8.72E-08	6.72E-03	0.00E+00	5.05E+00	1.56E-09	5.05E+00	5.72E+00	6.72E-03	0.00E+00	0.00E+00	0.00E+00	1.37E-03
HHA041Z	1.03E-03	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	6.00E-12	1.48E-10	8.35E-04	0.00E+00	0.00E+00	0.00E+00	3.54E-09	1.37E-02	5.17E+00	0.00E+00	5.00E-10	5.98E-08	8.07E-03	8.47E-08	6.74E-03	0.00E+00	5.17E+00	1.63E-09	5.17E+00	5.82E+00	6.74E-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	7.39E-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	1.68E-09	6.20E-03	2.61E+00	0.00E+00	2.43E-10	6.31E-08	7.25E-03	4.34E-08	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-09	9.31E-03	3.87E+00	0.00E+00	3.02E-10	5.15E-08	6.31E-03	6.42E-08	4.75E-03	0.00E+00	3.87E+00	1.02E-09	3.87E+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	8.15E-04	8.67E-03	0.00E+00	0.00E+00	3.80E-12	7.27E-11	5.02E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-09	7.81E-03	3.10E+00	0.00E+00	3.32E-10	1.09E-08	1.71E-03	1.54E-08	4.04E-03	0.00E+00	3.10E+00	8.59E-09	3.10E+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	5.12E-02	2.95E-09	2.34E-04	2.58E-03	0.00E+00	0.00E+00	1.34E-12	2.67E-11	1.52E-04	0.00E+00	0.00E+00	0.00E+00	6.95E-06	2.76E-03	1.10E+00	0.00E+00	1.21E-10	4.05E-08	6.46E-04	1.97E-08	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	2.95E-04
HHA063H	1.24E-03	1.95E-01	0.00E+00	1.95E-01	0.00E+00	0.00E+00	1.28E-01	7.39E-08	5.06E-04	6.37E-03	0.00E+00	0.00E+00	3.46E-12	8.67E-11	4.17E-04	0.00E+00	0.00E+00	0.00E+00	1.75E-09	6.86E-03	2.73E+00	0.00E+00	3.03E-10	1.01E-08	1.61E-03	1.42E-08	3.64E-03	0.00E+00	2.73E+00	7.70E-09	2.73E+00	3.46E-03	0.00E+00	0.00E+00	0.00E+00	7.43E-04	
HHA063U	1.16E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.19E-01	8.84E-08	5.42E-04	5.94E-03	0.00E+00	0.00E+00	3.21E-12	8.20E-11	4.44E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-09	6.49E-03	2.55E+00	0.00E+00	2.80E-10	9.40E-08	1.59E-03	1.54E-08	3.49E-03	0.00E+00	2.55E+00	7.11E-09	2.55E+00	2.55E+00	3.49E-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-09	9.31E-03	3.87E+00	0.00E+00	3.02E-10	5.15E-08	6.31E-03	6.42E-08	4.75E-03	0.00E+00	3.87E+00	1.02E-09	3.87E+00	3.88E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.81E-04
HHA064H	1.07E-03	2.42E-01	0.00E+00	2.42E-01	0.00E+00	0.00E+00	1.59E-01	8.65E-08	7.41E-04	8.11E-03	0.00E+00	0.00E+00	4.17E-12	8.36E-11	5.24E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-09	8.53E-03	3.42E+00	0.00E+00	3.75E-10	1.30E-08	2.06E-03	1.91E-08	4.65E-03	0.00E+00	3.42E+00	9.61E-09	3.42E+00	3.42E+00	4.65E-03	0.00E+00	0.00E+00	0.00E+00	9.25E-04
HHA064U	1.03E-03	4.21E-01	0.00E+00	4.21E-01	0.00E+00	0.00E+00	2.67E-01	1.51E-07	2.89E-03	3.06E-02	0.00E+00	0.00E+00	6.00E-12	1.48E-10	8.35E-04	0.00E+00	0.00E+00	0.00E+00	3.54E-09	1.38E-02	5.46E+00	0.00E+00	5.00E-10	5.93E-08	8.07E-03	8.65E-08	6.61E-03	0.00E+00	5.46E+00	1.61E-09	5.46E+00	6.13E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-03	
HHA064Z	1.03E-03	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	6.07E-12	1.49E-10	8.37E-04	0.00E+00	0.00E+00	0.00E+00	3.50E-09	1.37E-02	5.17E+00	0.00E+00	5.00E-10	5.98E-08	8.07E-03	8.47E-08	6.74E-03	0.00E+00	5.17E+00	1.63E-09	5.17E+00	5.82E+00	6.74E-03	0.00E+00	0.00E+00	0.00E+00	1.46E-03
HHA078Z	1.00E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.23E-01	7.39E-08	2.82E-03	3.18E-02	0.00E+00	0.00E+00	2.94E-12	6.96E-11	4.21E-04	0.00E+00	0.00E+00	0.00E+00	1.69E-09	6.20E-03	2.64E+00	0.00E+00	2.43E-10	6.32E-08	7.25E-03	4.34E-08	3.08E-03	0.00E+00	2.64E+00	7.44E-09	2.64E+00	2.64E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	6.83E-04
HHA080H	1.32E-03	1.74E-01	0.00E+00	1.74E-01	0.00E+00	0.00E+00	1.13E-01	8.42E-08	5.40E-04	5.89E-03	0.00E+00	0.00E+00	3.07E-12	6.00E-11	4.39E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-09	7.81E-03	3.10E+00	0.00E+00	3.32E-10	9.51E-08	1.50E-03	1.43E-08	3.33E-03	0.00E+00	3.10E+00	8.75E-09	3.10E+00	2.40E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	8.70E-04
HHA080U	1.16E-03	1.83E-01	0.00E+00	1.83E-01	0.00E+00	0.00E+00	1.20E-01	8.89E-08	5.42E-04	5.94E-03	0.00E+00	0.00E+00	3.22E-12	8.25E-11	4.44E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-09	6.42E-03	2.54E+00	0.00E+00	2.80E-10	9.42E-08	1.59E-03	1.57E-08	3.41E-03	0.00E+00	2.54E+00	7.22E-09	2.54E+00	2.54E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	6.93E-04
HHA080Z	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	2.36E-09	9.30E-03	3.86E+00	0.00E+00	3.03E-10	5.15E-08	6.31E-03	6.42E-08	4.75E-03	0.00E+00	3.86E+00	1.01E-09	3.86E+00	3.86E+00	4.75E-03	0.00E+00	0.00E+00	0.00E+00	9.71E-04
HHA081H	1.17E-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	8.03E-03	0.00E+00	0.00E+00	3.69E-12	7.75E-11	5.50E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-09	7.94E-03	3.17E+00	0.00E+00	3.51E-10	1.30E-08	2.09E-03	1.79E-08	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	8.56E-04
HHA081U	1.31E-03	2.18E-01	0.00E+00	2.18E-01	0.00E+00	0.00E+00	1.43E-01	8.26E-08	8.18E-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-09	7.69E-03	3.05E+00	0.00E+00	3.35E-10	1.07E-08	1.71E-03	1.54E-08	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	2.69E-01	1.54E-07	2.92E-03	3.03E-02	0.00E+00	0.00E+00	6.04E-12	1.45E-10	8.34E-04	0.00E+00	0.00E+00	0.00E+00	3.28E-09	1.31E-02	5.42E+00	0.00E+00	5.28E-10	5.97E-08	8.07E-03	8.72E-08	6.75E-03	0.00E+00	5.42E+00	1.57E-09	5.42E+00	5.89E+00	6.75E-03	0.00E+00	0.00E+00	0.00E+00	1.38E-03
HHA082H	1.85E-03	2.43E-01	0.00E+00	2.43E-01	0.00E+00	0.00E+00	1.58E-01	8.39E-08	5.10E-04	5.39E-03	0.00E+00	0.00E+00	3.17E-12	8.06E-11	4.60E-04	0.00E+00	0.00E+00	0.00E+00	1.85E-09	8.05E-03	3.44E+00	0.00E+00	3.70E-10	1.30E-08	2.09E-03	1.81E-08	4.03E-03	0.00E+00	3.44E+00	7.91E-09	3.44E+00	3.44E+00	4.03E-03	0.00E+00	0.00E+00	0.00E+00	9.33E-04
HHA088Z	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	1.63E-09	6.33E-03	2.63E+00	0.00E+00	2.53E-10	6.32E-08	7.25E-03	4.42E-08	3.17E-03	0.00E+00	2.63E+00	7.87E-09	2.63E+00	2.75E+00	3.17E-03	0.00E+00	0.00E+00	0.00E+00	8.80E-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	5.06E-04	6.37E-03	0.00E+00	0.00E+00	3.44E-12	8.65E-11	4.17E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-09	6.86E-03	2.73E+00	0.00E+00	3.00E-10	1.01E-08	1.61E-03	1.42E-08	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	0.00	

HHT202DR	2796.03	4536.01	0.00E+00	4536.01	0.00E+00	0.00E+00	2976.01	1728.01	1216.03	1356.00	0.00E+00	0.00E+00	8238.12	1568.10	1196.03	0.00E+00	0.00E+00	0.00E+00	4098.00	1896.03	8248.00	0.00E+00	7328.10	2116.00	3548.03	1036.00	8616.03	0.00E+00	8248.00	1896.03	8348.00	5988.00	8416.03	0.00E+00	0.00E+00	0.00E+00	1956.03
HHT250BR	2876.03	4616.01	0.00E+00	4616.01	0.00E+00	0.00E+00	2996.01	1716.01	1306.03	1376.00	0.00E+00	0.00E+00	8308.12	1588.10	1196.03	0.00E+00	0.00E+00	0.00E+00	4348.00	1896.03	8176.00	0.00E+00	7298.10	2398.00	4376.03	1056.00	8606.03	0.00E+00	8176.00	1816.00	8176.00	5998.00	8406.03	0.00E+00	0.00E+00	0.00E+00	1876.03
HHT250DR	2786.03	4236.01	0.00E+00	4236.01	0.00E+00	0.00E+00	2716.01	1606.01	1306.03	1386.00	0.00E+00	0.00E+00	1738.12	1446.10	9364.00	0.00E+00	0.00E+00	0.00E+00	3686.00	1476.03	5816.00	0.00E+00	6238.10	2398.00	4376.03	1026.00	7586.03	0.00E+00	5816.00	1606.00	8186.00	5888.00	7586.03	0.00E+00	0.00E+00	0.00E+00	1576.03
HHT251BR	2748.03	4166.01	0.00E+00	4166.01	0.00E+00	0.00E+00	2746.01	1486.01	1406.03	1366.00	0.00E+00	0.00E+00	7228.12	1438.10	1016.00	0.00E+00	0.00E+00	0.00E+00	3728.00	1486.03	5796.00	0.00E+00	6278.10	2168.00	3636.03	1026.00	7686.03	0.00E+00	5796.00	1626.00	8196.00	5898.00	7686.03	0.00E+00	0.00E+00	0.00E+00	1596.03
HHT251DR	2416.03	3806.00	0.00E+00	3806.00	0.00E+00	0.00E+00	2416.00	1426.01	1136.03	1246.00	0.00E+00	0.00E+00	1346.12	1406.10	9364.00	0.00E+00	0.00E+00	0.00E+00	3368.00	1346.03	5316.00	0.00E+00	6088.10	1968.00	3126.03	8156.00	7086.03	0.00E+00	5316.00	1506.00	8196.00	5786.00	7086.03	0.00E+00	0.00E+00	0.00E+00	1446.03
HHT252DR	2816.03	4576.01	0.00E+00	4576.01	0.00E+00	0.00E+00	2976.01	1708.01	1226.03	1366.00	0.00E+00	0.00E+00	8228.12	1568.10	1196.03	0.00E+00	0.00E+00	0.00E+00	4078.00	1896.03	8208.00	0.00E+00	7308.10	2148.00	3816.03	1026.00	8586.03	0.00E+00	8208.00	1838.00	8208.00	5988.00	8586.03	0.00E+00	0.00E+00	0.00E+00	1886.03
HHW250DR	6876.03	1048.00	0.00E+00	1048.00	0.00E+00	0.00E+00	6826.01	3006.01	3496.03	3476.00	0.00E+00	0.00E+00	1806.11	3596.10	2346.00	0.00E+00	0.00E+00	0.00E+00	9238.00	3876.03	1446.01	0.00E+00	1598.00	6478.00	8426.03	2606.00	1948.00	0.00E+00	1446.01	4136.00	1446.01	1456.01	2346.00	0.00E+00	0.00E+00	0.00E+00	3586.03
HHW251DR	7926.03	1298.00	0.00E+00	1298.00	0.00E+00	0.00E+00	8166.01	4876.01	3686.03	4056.00	0.00E+00	0.00E+00	2198.11	4246.10	3036.00	0.00E+00	0.00E+00	0.00E+00	1108.04	4386.03	1746.01	0.00E+00	1916.00	6478.00	1026.03	3146.00	2336.00	0.00E+00	1746.01	4926.00	1746.01	1746.01	2346.00	0.00E+00	0.00E+00	0.00E+00	4736.03
HHW302DR	6876.03	1048.00	0.00E+00	1048.00	0.00E+00	0.00E+00	6826.01	3006.01	3496.03	3476.00	0.00E+00	0.00E+00	1806.11	3596.10	2346.00	0.00E+00	0.00E+00	0.00E+00	9238.00	3876.03	1446.01	0.00E+00	1598.00	6478.00	8426.03	2606.00	1948.00	0.00E+00	1446.01	4136.00	1446.01	1456.01	2346.00	0.00E+00	0.00E+00	0.00E+00	3586.03
HHW321DR	7926.03	1298.00	0.00E+00	1298.00	0.00E+00	0.00E+00	8166.01	4876.01	3686.03	4056.00	0.00E+00	0.00E+00	2198.11	4246.10	3036.00	0.00E+00	0.00E+00	0.00E+00	1108.04	4386.03	1746.01	0.00E+00	1916.00	6478.00	1026.03	3146.00	2336.00	0.00E+00	1746.01	4926.00	1746.01	1746.01	2346.00	0.00E+00	0.00E+00	0.00E+00	4736.03
HHW400DR	6876.03	1048.00	0.00E+00	1048.00	0.00E+00	0.00E+00	6826.01	3006.01	3496.03	3476.00	0.00E+00	0.00E+00	1806.11	3596.10	2346.00	0.00E+00	0.00E+00	0.00E+00	9238.00	3876.03	1446.01	0.00E+00	1598.00	6478.00	8426.03	2606.00	1948.00	0.00E+00	1446.01	4136.00	1446.01	1456.01	2346.00	0.00E+00	0.00E+00	0.00E+00	3586.03
HHW401DR	7926.03	1298.00	0.00E+00	1298.00	0.00E+00	0.00E+00	8166.01	4876.01	3686.03	4056.00	0.00E+00	0.00E+00	2198.11	4246.10	3036.00	0.00E+00	0.00E+00	0.00E+00	1108.04	4386.03	1746.01	0.00E+00	1916.00	6478.00	1026.03	3146.00	2336.00	0.00E+00	1746.01	4926.00	1746.01	1746.01	2346.00	0.00E+00	0.00E+00	0.00E+00	4736.03
HJM250DR	6886.03	1048.00	0.00E+00	1048.00	0.00E+00	0.00E+00	6836.01	3016.01	3496.03	3476.00	0.00E+00	0.00E+00	1806.11	3596.10	2346.00	0.00E+00	0.00E+00	0.00E+00	9248.00	3876.03	1446.01	0.00E+00	1598.00	6478.00	8426.03	2606.00	1958.00	0.00E+00	1446.01	4146.00	1446.01	1456.01	2356.00	0.00E+00	0.00E+00	0.00E+00	3596.03
HJM251DR	7936.03	1298.00	0.00E+00	1298.00	0.00E+00	0.00E+00	8176.01	4876.01	3696.03	4056.00	0.00E+00	0.00E+00	2198.11	4246.10	3036.00	0.00E+00	0.00E+00	0.00E+00	1108.04	4396.03	1746.01	0.00E+00	1916.00	6478.00	1026.03	3146.00	2336.00	0.00E+00	1746.01	4936.00	1746.01	1746.01	2356.00	0.00E+00	0.00E+00	0.00E+00	4746.03
HJM320BR	6886.03	1028.00	0.00E+00	1028.00	0.00E+00	0.00E+00	6726.01	3896.01	3496.03	3566.00	0.00E+00	0.00E+00	1846.11	3486.10	2496.00	0.00E+00	0.00E+00	0.00E+00	9068.00	3826.03	1436.01	0.00E+00	1598.00	5316.00	8366.03	2556.00	1936.00	0.00E+00	1436.01	4086.00	1436.01	1436.01	1936.00	0.00E+00	0.00E+00	0.00E+00	3916.03
HJM320DR	6886.03	1048.00	0.00E+00	1048.00	0.00E+00	0.00E+00	6836.01	3016.01	3496.03	3476.00	0.00E+00	0.00E+00	1806.11	3596.10	2346.00	0.00E+00	0.00E+00	0.00E+00	9248.00	3876.03	1446.01	0.00E+00	1598.00	6478.00	8426.03	2606.00	1958.00	0.00E+00	1446.01	4146.00	1446.01	1456.01	2356.00	0.00E+00	0.00E+00	0.00E+00	3596.03
HJM321DR	7946.03	1298.00	0.00E+00	1298.00	0.00E+00	0.00E+00	8186.01	4886.01	3696.03	4056.00	0.00E+00	0.00E+00	2198.11	4246.10	3046.00	0.00E+00	0.00E+00	0.00E+00	1108.04	4396.03	1746.01	0.00E+00	1916.00	6478.00	1026.03	3146.00	2336.00	0.00E+00	1756.01	4936.00	1756.01	1756.01	2356.00	0.00E+00	0.00E+00	0.00E+00	4756.03
HJM400DR	6526.03	1038.00	0.00E+00	1038.00	0.00E+00	0.00E+00	6746.01	3906.01	3506.03	3366.00	0.00E+00	0.00E+00	1816.11	3596.10	2416.00	0.00E+00	0.00E+00	0.00E+00	9168.00	3812.03	1446.01	0.00E+00	1598.00	5306.00	8426.03	2576.00	1926.00	0.00E+00	1446.01	4096.00	1446.01	1446.01	1926.00	0.00E+00	0.00E+00	0.00E+00	3916.03
HJM401DR	7936.03	1298.00	0.00E+00	1298.00	0.00E+00	0.00E+00	8186.01	4886.01	3696.03	4056.00	0.00E+00	0.00E+00	2198.11	4246.10	3036.00	0.00E+00	0.00E+00	0.00E+00	1108.04	4402.03	1746.01	0.00E+00	1916.00	6478.00	1026.03	3146.00	2336.00	0.00E+00	1756.01	4936.00	1756.01	1756.01	2356.00	0.00E+00	0.00E+00	0.00E+00	4746.03
HJM500BR	6886.03	1038.00	0.00E+00	1038.00	0.00E+00	0.00E+00	6746.01	3906.01	3506.03	3326.00	0.00E+00	0.00E+00	1846.11	3486.10	2496.00	0.00E+00	0.00E+00	0.00E+00	9378.00	3832.03	1436.01	0.00E+00	1598.00	5326.00	8376.03	2556.00	1936.00	0.00E+00	1436.01	4076.00	1436.01	1436.01	1936.00	0.00E+00	0.00E+00	0.00E+00	3926.03
HJM630DE	6526.03	1038.00	0.00E+00	1038.00	0.00E+00	0.00E+00	6746.01	3906.01	3506.03	3366.00	0.00E+00	0.00E+00	1816.11	3596.10	2416.00	0.00E+00	0.00E+00	0.00E+00	9168.00	3812.03	1446.01	0.00E+00	1598.00	5306.00	8406.03	2576.00	1926.00	0.00E+00	1446.01	4096.00	1446.01	1446.01	1926.00	0.00E+00	0.00E+00	0.00E+00	3916.03
HMS025BC	2306.03	2316.01	0.00E+00	2316.01	0.00E+00	0.00E+00	1366.01	8206.01	6626.04	7816.03	0.00E+00	0.00E+00	3316.12	7586.11	4796.00	0.00E+00	0.00E+00	0.00E+00	1768.00	7336.03	2386.00	0.00E+00	2306.10	1568.00	2086.03	4566.00	3716.00	0.00E+00	2886.00	8516.00	2886.00	2886.00	4716.00	0.00E+00	0.00E+00	0.00E+00	7686.04
HMS025BR	2306.03	2316.01	0.00E+00	2316.01	0.00E+00	0.00E+00	1366.01	8206.01	6626.04	7816.03	0.00E+00	0.00E+00	3316.12	7586.11	4796.00	0.00E+00	0.00E+00	0.00E+00	1768.00	7336.03	2386.00	0.00E+00	2306.10	1568.00	2086.03	4566.00	3716.00	0.00E+00	2886.00	8516.00	2886.00	2886.00	4716.00	0.00E+00	0.00E+00	0.00E+00	7686.04
HMS025DR	1236.03	2686.01	0.00E+00	2686.01	0.00E+00	0.00E+00	1566.01	8166.01	3056.03	3426.00	0.00E+00	0.00E+00	4096.12	8686.11	5506.00	0.00E+00	0.00E+00	0.00E+00	2068.00	8306.03	3346.00	0.00E+00	3446.10	6816.00	8366.03	5986.00	4146.00	0.00E+00	3346.00	8676.00	3346.00	3166.00	4146.00	0.00E+00	0.00E+00	0.00E+00	9116.04
HMS026BC	2876.03	2686.01	0.00E+00	2686.01	0.00E+00	0.00E+00	1566.01	8166.01	3056.03	3426.00	0.00E+00	0.00E+00	4096.12	8686.11	5506.00	0.00E+00	0.00E+00	0.00E+00	2108.00	8826.03	3376.00	0.00E+00	3716.10	2068.00	2986.03	5866.00	4586.00	0.00E+00	3376.00	9786.00	3376.00	3416.00	4586.00	0.00E+00	0.00E+00	0.00E+00	9366.04
HMS026BR	1246.03	3006.01	0.00E+00	3006.01	0.00E+00	0.00E+00	1826.01	9126.01	3126.03	3506.00	0.00E+00	0.00E+00	5026.12	1056.10	6106.00	0.00E+00	0.00E+00	0.00E+00	2468.00	1046.03	3926.00	0.00E+00	4336.10	6876.00	8546.03	7346.00	5036.00	0.00E+00	3906.00	1096.00	3906.00	3896.00	5036.00	0.00E+00	0.00E+00	0.00E+00	1106.03
HMS026DC	2886.03	2646.00	0.00E+00	2646.00	0.00E+00																																

HMT051DR	132E-02	530E-01	0.00E+00	5.00E-01	0.00E+00	0.00E+00	3.58E-01	1.93E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	0.00E+00	4.64E-09	2.02E-02	7.52E-04	0.00E+00	8.01E-10	7.28E-08	1.02E-02	1.26E-05	9.48E-03	0.00E+00	7.52E-09	2.13E-04	7.32E-09	6.93E-09	9.48E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-03			
HMT063DR	288E-03	432E-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	1.58E-10	1.12E-02	0.00E+00	0.00E+00	4.14E-09	1.73E-02	8.34E-03	0.00E+00	7.40E-10	2.40E-08	4.37E-03	1.06E-05	8.82E-03	0.00E+00	6.34E-09	1.86E-09	6.34E-09	6.15E-09	8.82E-03	0.00E+00	0.00E+00	1.91E-03
HMT064DR	281E-03	439E-01	0.00E+00	4.58E-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	1.55E-10	1.14E-02	0.00E+00	0.00E+00	4.21E-09	1.75E-02	8.41E-03	0.00E+00	7.51E-10	2.16E-08	3.99E-03	1.07E-05	8.89E-03	0.00E+00	6.41E-09	1.89E-09	6.41E-09	6.16E-09	8.89E-03	0.00E+00	0.00E+00	1.96E-03
HMT100BR	132E-02	533E-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-02	0.00E+00	0.00E+00	4.58E-09	1.97E-02	7.41E-03	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.41E-09	2.10E-09	7.41E-09	6.91E-09	9.36E-03	0.00E+00	0.00E+00	2.12E-03
HMT100DR	132E-02	516E-01	0.00E+00	5.00E-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	9.00E-12	1.80E-10	1.20E-02	0.00E+00	0.00E+00	4.18E-09	1.74E-02	6.99E-03	0.00E+00	7.30E-10	7.30E-08	1.02E-02	1.21E-05	9.21E-03	0.00E+00	6.99E-09	1.90E-09	6.99E-09	6.16E-09	9.21E-03	0.00E+00	0.00E+00	1.79E-03
HMT101BR	132E-02	530E-01	0.00E+00	5.00E-01	0.00E+00	0.00E+00	3.58E-01	1.93E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.88E-10	1.25E-02	0.00E+00	0.00E+00	4.64E-09	2.02E-02	7.52E-04	0.00E+00	8.01E-10	7.28E-08	1.02E-02	1.26E-05	9.48E-03	0.00E+00	7.52E-09	2.13E-09	7.52E-09	6.93E-09	9.48E-03	0.00E+00	0.00E+00	2.17E-03
HMT101DR	281E-03	439E-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	1.55E-10	1.14E-02	0.00E+00	0.00E+00	4.21E-09	1.75E-02	8.41E-03	0.00E+00	7.51E-10	2.16E-08	3.99E-03	1.07E-05	8.89E-03	0.00E+00	6.41E-09	1.89E-09	6.41E-09	6.16E-09	8.89E-03	0.00E+00	0.00E+00	1.96E-03
HMT102DR	280E-03	438E-01	0.00E+00	4.58E-01	0.00E+00	0.00E+00	3.04E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.56E-10	1.12E-02	0.00E+00	0.00E+00	4.18E-09	1.73E-02	8.34E-03	0.00E+00	7.41E-10	2.12E-08	3.98E-03	1.04E-05	8.78E-03	0.00E+00	6.36E-09	1.88E-09	6.36E-09	6.13E-09	8.78E-03	0.00E+00	0.00E+00	1.95E-03
HMT125BR	132E-02	533E-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-02	0.00E+00	0.00E+00	4.58E-09	1.97E-02	7.41E-03	0.00E+00	7.91E-10	7.24E-08	1.01E-02	1.26E-05	9.36E-03	0.00E+00	7.41E-09	2.10E-09	7.41E-09	6.91E-09	9.36E-03	0.00E+00	0.00E+00	2.12E-03
HMT125DR	132E-02	516E-01	0.00E+00	5.00E-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	9.00E-12	1.80E-10	1.20E-02	0.00E+00	0.00E+00	4.18E-09	1.74E-02	6.99E-03	0.00E+00	7.30E-10	7.30E-08	1.02E-02	1.21E-05	9.21E-03	0.00E+00	6.99E-09	1.90E-09	6.99E-09	6.16E-09	9.21E-03	0.00E+00	0.00E+00	1.79E-03
HMT126BR	132E-02	530E-01	0.00E+00	5.00E-01	0.00E+00	0.00E+00	3.58E-01	1.93E-07	3.50E-03	3.85E-02	0.00E+00	0.00E+00	9.42E-12	1.88E-10	1.25E-02	0.00E+00	0.00E+00	4.64E-09	2.02E-02	7.52E-04	0.00E+00	8.01E-10	7.28E-08	1.02E-02	1.26E-05	9.48E-03	0.00E+00	7.52E-09	2.13E-09	7.52E-09	6.93E-09	9.48E-03	0.00E+00	0.00E+00	2.17E-03
HMT126DR	281E-03	439E-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	1.55E-10	1.14E-02	0.00E+00	0.00E+00	4.21E-09	1.75E-02	8.41E-03	0.00E+00	7.51E-10	2.16E-08	3.99E-03	1.07E-05	8.89E-03	0.00E+00	6.41E-09	1.89E-09	6.41E-09	6.16E-09	8.89E-03	0.00E+00	0.00E+00	1.96E-03
HMT127DR	280E-03	438E-01	0.00E+00	4.58E-01	0.00E+00	0.00E+00	3.04E-01	1.74E-07	1.22E-03	1.35E-02	0.00E+00	0.00E+00	8.33E-12	1.56E-10	1.12E-02	0.00E+00	0.00E+00	4.18E-09	1.73E-02	8.34E-03	0.00E+00	7.41E-10	2.12E-08	3.98E-03	1.04E-05	8.78E-03	0.00E+00	6.36E-09	1.88E-09	6.36E-09	6.13E-09	8.78E-03	0.00E+00	0.00E+00	1.95E-03
HMT160BR	131E-02	547E-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	9.15E-12	1.85E-10	1.13E-02	0.00E+00	0.00E+00	4.15E-09	1.94E-02	6.73E-03	0.00E+00	7.19E-10	7.19E-08	1.00E-02	1.24E-05	9.20E-03	0.00E+00	7.30E-09	2.07E-09	7.30E-09	6.78E-09	9.20E-03	0.00E+00	0.00E+00	2.06E-03
HMT160DR	288E-03	439E-01	0.00E+00	4.59E-01	0.00E+00	0.00E+00	3.07E-01	1.72E-07	1.30E-03	1.37E-02	0.00E+00	0.00E+00	8.07E-12	1.58E-10	1.11E-02	0.00E+00	0.00E+00	4.08E-09	1.67E-02	8.21E-03	0.00E+00	7.31E-10	2.40E-08	4.37E-03	1.05E-05	8.89E-03	0.00E+00	6.21E-09	1.82E-09	6.21E-09	6.02E-09	8.89E-03	0.00E+00	0.00E+00	1.88E-03
HMT161BR	131E-02	539E-01	0.00E+00	5.39E-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	9.35E-12	1.87E-10	1.23E-02	0.00E+00	0.00E+00	4.57E-09	1.99E-02	7.41E-03	0.00E+00	7.92E-10	7.23E-08	1.01E-02	1.24E-05	9.31E-03	0.00E+00	7.41E-09	2.10E-09	7.41E-09	6.81E-09	9.31E-03	0.00E+00	0.00E+00	2.14E-03
HMT161DR	281E-03	438E-01	0.00E+00	4.58E-01	0.00E+00	0.00E+00	3.04E-01	1.73E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.29E-12	1.57E-10	1.13E-02	0.00E+00	0.00E+00	4.14E-09	1.72E-02	8.29E-03	0.00E+00	7.44E-10	2.16E-08	3.98E-03	1.05E-05	8.74E-03	0.00E+00	6.29E-09	1.88E-09	6.29E-09	6.02E-09	8.74E-03	0.00E+00	0.00E+00	1.93E-03
HMT162DR	280E-03	437E-01	0.00E+00	4.57E-01	0.00E+00	0.00E+00	3.03E-01	1.72E-07	1.22E-03	1.34E-02	0.00E+00	0.00E+00	8.24E-12	1.56E-10	1.12E-02	0.00E+00	0.00E+00	4.11E-09	1.71E-02	8.22E-03	0.00E+00	7.33E-10	2.12E-08	3.97E-03	1.03E-05	8.69E-03	0.00E+00	6.29E-09	1.82E-09	6.29E-09	6.02E-09	8.69E-03	0.00E+00	0.00E+00	1.92E-03
HMT200BR	131E-02	540E-01	0.00E+00	5.40E-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	9.15E-12	1.85E-10	1.13E-02	0.00E+00	0.00E+00	4.15E-09	1.93E-02	6.73E-03	0.00E+00	7.19E-10	7.19E-08	1.01E-02	1.24E-05	9.20E-03	0.00E+00	7.30E-09	2.06E-09	7.30E-09	6.78E-09	9.20E-03	0.00E+00	0.00E+00	2.06E-03
HMT200DR	131E-02	519E-01	0.00E+00	5.19E-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	8.95E-12	1.87E-10	1.09E-02	0.00E+00	0.00E+00	4.05E-09	1.77E-02	6.87E-03	0.00E+00	6.99E-10	7.19E-08	1.01E-02	1.20E-05	8.99E-03	0.00E+00	6.87E-09	1.86E-09	6.87E-09	6.41E-09	8.99E-03	0.00E+00	0.00E+00	1.75E-03
HMT201BR	131E-02	532E-01	0.00E+00	5.32E-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-02	0.00E+00	0.00E+00	4.57E-09	1.98E-02	7.38E-03	0.00E+00	7.92E-10	7.22E-08	1.01E-02	1.24E-05	9.33E-03	0.00E+00	7.38E-09	2.06E-09	7.38E-09	6.80E-09	9.33E-03	0.00E+00	0.00E+00	2.14E-03
HMT201DR	280E-03	436E-01	0.00E+00	4.56E-01	0.00E+00	0.00E+00	3.06E-01	1.73E-07	1.22E-03	1.36E-02	0.00E+00	0.00E+00	8.28E-12	1.57E-10	1.13E-02	0.00E+00	0.00E+00	4.14E-09	1.72E-02	8.29E-03	0.00E+00	7.44E-10	2.14E-08	3.97E-03	1.05E-05	8.73E-03	0.00E+00	6.29E-09	1.88E-09	6.29E-09	6.01E-09	8.73E-03	0.00E+00	0.00E+00	1.92E-03
HMT202DR	279E-03	435E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	3.05E-01	1.72E-07	1.21E-03	1.35E-02	0.00E+00	0.00E+00	8.24E-12	1.56E-10	1.12E-02	0.00E+00	0.00E+00	4.11E-09	1.71E-02	8.28E-03	0.00E+00	7.41E-10	2.14E-08	3.96E-03	1.05E-05	8.69E-03	0.00E+00	6.29E-09	1.82E-09	6.29E-09	6.00E-09	8.69E-03	0.00E+00	0.00E+00	1.92E-03
HMT250BR	130E-02	548E-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-02	0.00E+00	0.00E+00	4.48E-09	1.94E-02	6.72E-03	0.00E+00	7.79E-10	7.10E-08	1.00E-02	1.24E-05	9.15E-03	0.00E+00	7.25E-09	2.05E-09	7.25E-09	6.78E-09	9.15E-03	0.00E+00	0.00E+00	2.06E-03
HMT250DR	214E-03	338E-01	0.00E+00	3.38E-01	0.00E+00	0.00E+00	2.22E-01	1.27E-07	1.00E-03	1.14E-02	0.00E+00	0.00E+00	9.49E-12	1.15E-10	8.24E-02	0.00E+00	0.00E+00	2.98E-09	1.19E-02	4.72E-03	0.00E+00	5.18E-10	1.74E-08	2.78E-03	8.45E-06	6.30E-03	0.00E+00	4.72E-09	1.33E-09	4.72E-09	4.23E-09	6.30E-03	0.00E+00	0.00E+00	1.28E-03
HMT251BR	130E-02	536E-01	0.00E+00	5.36E-01	0.00E+00	0.00E+00	3.52E-01	1.95E-07	3.43E-03	3.77E-02	0.00E+00	0.00E+00	9.30E-12	1.87E-10	1.23E-02	0.00E+00	0.00E+00	4.55E-09	1.99E-02	7.32E-03	0.00E+00	7.89E-10	7.13E-08	1.01E-02	1.24E-05	9.28E-03	0.00E+00	7.32E-09	2.06E-09	7.32E-09	6.79E-09	9.28E-03	0.00E+00	0.00E+00	2.13E-03
HMT251DR	283E-03	435E-01	0.00E+00	4.55E-01	0.00E+00	0.00E+00	3.05E-01	1.72E-07	1.24E-03	1.37E-02	0.00E+00	0.00E+00	8.12E-12	1.57E-10	1.13E-02	0.00E+00																			

HNA081Z	1.03E-04	4.31E-01	0.00E+00	4.31E-01	0.00E+00	0.00E+00	2.58E-01	1.83E-07	2.02E-03	3.03E-02	0.00E+00	0.00E+00	5.80E-12	1.45E-10	8.30E-04	0.00E+00	0.00E+00	0.00E+00	3.27E-05	1.30E-03	5.44E+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-04	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	8.33E-08	5.33E-04	5.03E-03	0.00E+00	0.00E+00	3.04E-12	5.52E-11	4.21E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-05	6.14E-03	2.42E+00	0.00E+00	2.69E-10	9.43E-08	1.49E-03	4.39E-06	3.29E-03	0.00E+00	2.42E+00	6.87E-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	4.59E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.98E-03	2.60E+00	0.00E+00	2.88E-10	5.07E-08	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	2.79E-01	0.00E+00	2.79E-01	0.00E+00	0.00E+00	1.69E-01	1.02E-07	2.49E-03	2.89E-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	9.20E-03	3.59E+00	0.00E+00	3.90E-10	5.07E-08	8.26E-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	2.89E-01	0.00E+00	2.89E-01	0.00E+00	0.00E+00	1.68E-01	1.02E-07	2.51E-03	2.89E-02	0.00E+00	0.00E+00	4.41E-12	9.61E-11	6.15E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-05	9.20E-03	3.57E+00	0.00E+00	3.90E-10	5.07E-08	8.26E-03	6.39E-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	8.38E-11	5.99E-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	2.39E-01	0.00E+00	2.39E-01	0.00E+00	0.00E+00	1.56E-01	8.94E-08	7.34E-04	8.06E-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	6.18E-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	8.17E-04	0.00E+00	0.00E+00	0.00E+00	3.19E-05	1.29E-03	5.47E+00	0.00E+00	5.18E-10	5.87E-08	8.01E-03	8.82E-06	6.62E-03	0.00E+00	5.47E+00	1.52E-08	5.47E+00	5.59E+00	6.62E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-03
HNA101Z	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	8.17E-04	0.00E+00	0.00E+00	0.00E+00	3.19E-05	1.27E-03	5.37E+00	0.00E+00	5.18E-10	5.95E-08	8.02E-03	8.79E-06	6.57E-03	0.00E+00	5.37E+00	1.52E-08	5.37E+00	5.50E+00	6.57E-03	0.00E+00	0.00E+00	0.00E+00	1.34E-03
HNA125H	1.18E-03	1.73E-01	0.00E+00	1.73E-01	0.00E+00	0.00E+00	1.13E-01	8.41E-08	5.38E-04	5.89E-03	0.00E+00	0.00E+00	3.16E-12	6.00E-11	4.31E-04	0.00E+00	0.00E+00	0.00E+00	1.56E-05	6.21E-03	2.44E+00	0.00E+00	2.74E-10	9.49E-08	1.50E-03	4.44E-06	3.33E-03	0.00E+00	2.44E+00	6.73E-09	2.44E+00	2.46E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-04
HNA125M	1.27E-03	1.89E-01	0.00E+00	1.89E-01	0.00E+00	0.00E+00	1.10E-01	8.25E-08	5.09E-04	5.94E-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	2.39E+00	0.00E+00	2.64E-10	8.82E-08	1.41E-03	4.41E-06	3.24E-03	0.00E+00	2.39E+00	6.57E-09	2.39E+00	2.34E+00	3.24E-03	0.00E+00	0.00E+00	0.00E+00	6.96E-04
HNA125U	9.68E-03	2.81E-01	0.00E+00	2.81E-01	0.00E+00	0.00E+00	1.69E-01	1.02E-07	2.38E-03	2.56E-02	0.00E+00	0.00E+00	4.47E-12	9.65E-11	6.29E-04	0.00E+00	0.00E+00	0.00E+00	2.34E-05	9.39E-03	3.81E+00	0.00E+00	3.95E-10	5.08E-08	5.96E-03	6.45E-06	4.77E-03	0.00E+00	3.81E+00	1.01E-08	3.81E+00	3.83E+00	4.77E-03	0.00E+00	0.00E+00	0.00E+00	9.87E-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	2.81E-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	2.30E-05	9.34E-03	3.80E+00	0.00E+00	3.95E-10	5.07E-08	6.09E-03	6.45E-06	4.78E-03	0.00E+00	3.80E+00	1.02E-08	3.80E+00	3.82E+00	4.78E-03	0.00E+00	0.00E+00	0.00E+00	9.79E-04
HNA126H	1.73E-03	3.11E-01	0.00E+00	3.11E-01	0.00E+00	0.00E+00	1.96E-01	1.16E-07	1.56E-04	8.46E-03	0.00E+00	0.00E+00	8.86E-12	1.16E-10	5.17E-04	0.00E+00	0.00E+00	0.00E+00	2.83E-05	1.21E-03	4.18E+00	0.00E+00	5.41E-10	1.32E-08	2.06E-03	6.82E-06	6.12E-03	0.00E+00	4.18E+00	1.29E-08	4.18E+00	3.16E+00	6.12E-03	0.00E+00	0.00E+00	0.00E+00	1.46E-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	8.06E-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	2.83E-01	1.57E-07	2.78E-03	2.99E-02	0.00E+00	0.00E+00	6.35E-12	1.46E-10	8.96E-04	0.00E+00	0.00E+00	0.00E+00	3.46E-05	1.39E-03	5.83E+00	0.00E+00	5.67E-10	5.96E-08	7.72E-03	9.52E-06	7.08E-03	0.00E+00	5.83E+00	1.59E-08	5.83E+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	2.82E-01	1.57E-07	2.84E-03	2.93E-02	0.00E+00	0.00E+00	6.30E-12	1.47E-10	8.94E-04	0.00E+00	0.00E+00	0.00E+00	3.45E-05	1.35E-03	5.80E+00	0.00E+00	5.62E-10	5.95E-08	7.84E-03	9.37E-06	7.02E-03	0.00E+00	5.80E+00	1.59E-08	5.80E+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	1.23E-01	7.22E-08	5.70E-04	6.29E-03	0.00E+00	0.00E+00	3.39E-12	6.10E-11	4.69E-04	0.00E+00	0.00E+00	0.00E+00	1.79E-05	6.79E-03	2.65E+00	0.00E+00	2.96E-10	9.87E-08	1.57E-03	4.59E-06	3.59E-03	0.00E+00	2.65E+00	7.32E-09	2.65E+00	2.70E+00	3.59E-03	0.00E+00	0.00E+00	0.00E+00	7.34E-04
HNA160M	1.16E-03	1.76E-01	0.00E+00	1.76E-01	0.00E+00	0.00E+00	1.14E-01	6.73E-08	5.11E-04	5.67E-03	0.00E+00	0.00E+00	3.12E-12	6.05E-11	4.39E-04	0.00E+00	0.00E+00	0.00E+00	1.57E-05	6.24E-03	2.46E+00	0.00E+00	2.74E-10	8.83E-08	1.41E-03	4.65E-06	3.37E-03	0.00E+00	2.46E+00	6.73E-09	2.46E+00	2.47E+00	3.37E-03	0.00E+00	0.00E+00	0.00E+00	6.84E-04
HNA160U	9.84E-03	2.79E-01	0.00E+00	2.79E-01	0.00E+00	0.00E+00	1.69E-01	1.02E-07	2.42E-03	2.92E-02	0.00E+00	0.00E+00	4.37E-12	9.65E-11	6.14E-04	0.00E+00	0.00E+00	0.00E+00	2.30E-05	9.25E-03	3.59E+00	0.00E+00	3.98E-10	5.09E-08	6.09E-03	6.39E-06	4.71E-03	0.00E+00	3.59E+00	9.99E-09	3.59E+00	3.81E+00	4.71E-03	0.00E+00	0.00E+00	0.00E+00	9.55E-04
HNA160Z	9.82E-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	2.81E-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	3.98E-10	5.07E-08	6.12E-03	6.39E-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	1.64E-01	9.44E-08	7.47E-04	8.19E-03	0.00E+00	0.00E+00	4.42E-12	8.55E-11	6.19E-04	0.00E+00	0.00E+00	0.00E+00	2.22E-05	8.83E-03	3.51E+00	0.00E+00	3.88E-10	1.30E-08	2.07E-03	6.29E-06	4.68E-03	0.00E+00	3.51E+00	9.69E-09	3.51E+00	3.51E+00	4.68E-03	0.00E+00	0.00E+00	0.00E+00	9.55E-04
HNA161M	1.79E-03	2.14E-01	0.00E+00	2.14E-01	0.00E+00	0.00E+00	1.40E-01	7.95E-08	6.00E-04	8.00E-03	0.00E+00	0.00E+00	4.00E-12	7.89E-11	5.39E-04	0.00E+00	0.00E+00	0.00E+00	1.91E-05	7.44E-03	3.09E+00	0.00E+00	4.41E-10	1.29E-08	2.05E-03	6.39E-06	4.25E-03	0.00E+00	3.09E+00	8.69E-09	3.09E+00	3.09E+00	4.25E-03	0.00E+00	0.00E+00	0.00E+00	8.48E-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	1.44E-10	8.74E-04	0.00E+00	0.00E+00	0.00E+00	3.36E-05	1.34E-03	5.97E+00	0.00E+00	5.58E-10	5.89E-08	7.83E-03	9.36E-06	6.97E-03	0.00E+00	5.97E+00	1.57E-08	5.97E+00	5.74E+00	6.97E-03	0.00E+00	0.00E+00	0.00E+00	1.47E-03
HNA161Z	1.34E-02	2.16E-01	0.00E+00	2.16E-01	0.00E+00	0.00E+00	1.41E-01	8.16E-08	6.24E-04	6.99E-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	7.82E-03	3.02E+00	0.00E+00	3.37E-10	1.09E-08	1.73E-03	5.41E-06	4.04E-03	0.00E+00	3.02E+00	8.59E-09	3.02E+00	3.03E+00	4.04E-03	0.			

HPW250DR	6.87E-03	1.34E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	8.82E-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	3.87E-02	1.44E+01	0.00E+00	1.59E-09	5.44E+00	8.82E-03	2.80E-05	1.94E-02	0.00E+00	1.46E+01	4.13E+00	1.45E+01	1.45E+01	1.34E-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	4.87E-07	3.87E-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+00	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.91E+00	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-03	
HPW320BR	6.85E-03	1.03E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	6.72E-01	3.86E-07	3.24E-03	3.58E-02	0.00E+00	0.00E+00	1.84E-11	3.48E-10	2.48E-03	0.00E+00	0.00E+00	0.00E+00	9.08E-05	3.83E-02	1.45E+01	0.00E+00	1.59E-09	5.51E+00	8.95E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.08E+00	1.45E+01	1.41E+01	1.94E-02	0.00E+00	0.00E+00	0.00E+00	3.91E-03	
HPW320DR	6.87E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	8.82E-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	3.87E-02	1.44E+01	0.00E+00	1.59E-09	5.44E+00	8.82E-03	2.80E-05	1.94E-02	0.00E+00	1.46E+01	4.13E+00	1.45E+01	1.45E+01	1.34E-02	0.00E+00	0.00E+00	0.00E+00	3.95E-03	
HPW321BR	7.85E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.80E-01	4.58E-07	3.61E-03	3.97E-02	0.00E+00	0.00E+00	2.12E-11	4.05E-10	2.93E-03	0.00E+00	0.00E+00	0.00E+00	1.09E-04	4.21E-02	1.68E+01	0.00E+00	1.88E-09	6.34E+00	9.98E-03	2.94E-05	2.24E-02	0.00E+00	1.68E+01	4.72E+00	1.68E+01	1.68E+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	4.85E-07	3.87E-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+00	1.02E-02	3.13E-05	2.32E-02	0.00E+00	1.74E+01	4.90E+00	1.74E+01	1.74E+01	2.32E-02	0.00E+00	0.00E+00	0.00E+00	4.72E-03	
HPW400DR	6.87E-03	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	8.82E-01	3.91E-07	3.16E-03	3.48E-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	3.87E-02	1.44E+01	0.00E+00	1.59E-09	5.45E+00	8.79E-03	2.81E-05	1.94E-02	0.00E+00	1.46E+01	4.12E+00	1.45E+01	1.45E+01	1.34E-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	4.88E-07	3.87E-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+00	1.02E-02	3.14E-05	2.33E-02	0.00E+00	1.74E+01	4.92E+00	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	8.74E-01	3.95E-07	3.23E-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	9.08E-05	3.83E-02	1.45E+01	0.00E+00	1.59E-09	5.52E+00	8.97E-03	2.55E-05	1.93E-02	0.00E+00	1.45E+01	4.07E+00	1.45E+01	1.41E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.92E-03	
HPW501BR	7.85E-03	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.80E-01	4.58E-07	3.61E-03	3.94E-02	0.00E+00	0.00E+00	2.12E-11	4.05E-10	2.93E-03	0.00E+00	0.00E+00	0.00E+00	1.09E-04	4.23E-02	1.68E+01	0.00E+00	1.88E-09	6.34E+00	9.92E-03	2.95E-05	2.25E-02	0.00E+00	1.68E+01	4.72E+00	1.68E+01	1.68E+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	1.30E-02	0.00E+00	0.00E+00	7.68E-12	1.41E-10	9.99E-04	0.00E+00	0.00E+00	0.00E+00	3.70E-05	1.47E-02	5.99E+00	0.00E+00	6.22E-10	2.42E+00	4.39E-03	1.01E-05	7.69E-03	0.00E+00	5.99E+00	1.65E+00	5.99E+00	5.99E+00	6.63E-04	7.62E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-03
HST051DR	2.81E-03	4.39E-01	0.00E+00	4.39E-01	0.00E+00	0.00E+00	3.06E-01	1.70E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.36E-12	1.65E-10	1.15E-03	0.00E+00	0.00E+00	0.00E+00	4.23E-05	1.79E-02	6.41E+00	0.00E+00	7.53E-10	2.18E+00	3.81E-03	1.07E-05	8.00E-03	0.00E+00	6.41E+00	1.90E+00	6.41E+00	6.18E+00	8.90E-03	7.62E-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	7.75E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	1.51E-02	5.99E+00	0.00E+00	6.30E-10	2.40E+00	4.37E-03	1.02E-05	7.82E-03	0.00E+00	5.99E+00	1.66E+00	5.99E+00	5.94E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-03	
HST064DR	2.81E-03	4.39E-01	0.00E+00	4.39E-01	0.00E+00	0.00E+00	3.06E-01	1.70E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.36E-12	1.65E-10	1.15E-03	0.00E+00	0.00E+00	0.00E+00	4.23E-05	1.79E-02	6.41E+00	0.00E+00	7.53E-10	2.18E+00	3.81E-03	1.07E-05	8.00E-03	0.00E+00	6.41E+00	1.90E+00	6.41E+00	6.18E+00	8.90E-03	7.62E-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	7.75E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	1.51E-02	5.99E+00	0.00E+00	6.30E-10	2.40E+00	4.37E-03	1.02E-05	7.82E-03	0.00E+00	5.99E+00	1.66E+00	5.99E+00	5.94E+00	7.82E-03	0.00E+00	0.00E+00	0.00E+00	1.62E-03	
HST101DR	2.81E-03	4.39E-01	0.00E+00	4.39E-01	0.00E+00	0.00E+00	3.06E-01	1.70E-07	1.23E-03	1.36E-02	0.00E+00	0.00E+00	8.36E-12	1.65E-10	1.15E-03	0.00E+00	0.00E+00	0.00E+00	4.23E-05	1.79E-02	6.41E+00	0.00E+00	7.53E-10	2.18E+00	3.81E-03	1.07E-05	8.00E-03	0.00E+00	6.41E+00	1.90E+00	6.41E+00	6.18E+00	8.90E-03	7.62E-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	7.75E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-05	1.51E-02	5.99E+00	0.00E+00	6.30E-10	2.40E+00	4.37E-03	1.02E-05	7.82E-03	0.00E+00	5.99E+00	1.66E+00	5.99E+00	5.94E+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	2.72E-01	1.61E-07	1.23E-03	1.34E-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	3.76E-05	1.53E-02	5.99E+00	0.00E+00	6.30E-10	2.19E+00	4.37E-03	1.02E-05	7.81E-03	0.00E+00	5.99E+00	1.67E+00	5.99E+00	5.92E+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	2.78E-01	1.64E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.75E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.76E-05	1.48E-02	5.99E+00	0.00E+00	6.25E-10	2.40E+00	4.37E-03	1.02E-05	7.84E-03	0.00E+00	5.98E+00	1.62E+00	5.98E+00	5.95E+00	7.84E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-03	
HST161DR	2.81E-03	4.39E-01	0.00E+00	4.39E-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	2.19E+00	3.99E-03	1.05E-05	8.74E-03	0.00E+00	6.29E+00	1.89E+00	6.29E+00	6.02E+00	8.74E-03	0.00E+00	0.00E+00	0.00E+00	1.92E-03	
HST200DR	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	1.36E-02	0.00E+00	0.00E+00	7.75E-12	1.46E-10	1.01E-03	0.00E+00	0.00E+00	0.00E+00	3.85E-05	1.48E-02	5.99E+00	0.00E+00	6.25E-10	2.40E+00	4.37E-03	1.02E-05	7.84E-03	0.00E+00	5.98E+00	1.62E+00	5.98E+00	5.95E+00	7.84E-03	0.00E+00	0.00E+00	0.00E+00	1.58E-03	
HST201DR	2.80E-03	4.35E-01	0.00E+00	4.35E-01	0.00E+00	0.00E+00	3.01E-01	1.73E-07	1.22E-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	2.19E+00	3.97E-03	1.05E-05	8.73E-03	0.00E+00	6.29E+00	1.89E+00	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	2.76E-01	1.60E-07	1.30E-03	1.36E-02	0.00E+00	0.00E+00	7.68E-12	1.41E-10	9.99E-04	0.00E+00	0.00E+00	0.00E+00	3.85E-05	1.47E-02	5.91E+00	0.00E+00	6.20E-10	2.39E+00	4.37E-03	1.02E-05	7.85E-03	0.00E+00	5.91E+00	1.65E+00	5.91E+00	5.9						

HDA041L	3.02E-04	1.38E-01	2.47E-02	1.13E-01	0.00E+00	0.00E+00	1.54E+00	1.50E+00	1.42E-04	8.93E-04	0.00E+00	2.81E-03	1.17E-00	3.44E-10	1.69E-02	2.84E-04	1.03E-02	1.78E-03	1.38E-04	4.88E-02	1.03E+00	0.00E+00	1.38E-00	1.81E-01	2.08E-04	5.45E-08	1.38E-01	0.00E+00	1.03E+00	2.57E-03	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+00	2.89E-04	1.80E-03	0.00E+00	5.27E-03	2.37E-00	7.00E-10	3.40E-02	5.74E-04	2.10E-02	3.88E-03	4.00E-04	9.48E-02	2.09E+00	0.00E+00	2.79E-00	3.89E-01	4.21E-04	1.10E-03	2.79E-01	0.00E+00	2.00E+00	5.16E-03	2.00E+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	4.99E-02	2.28E-01	0.00E+00	0.00E+00	3.11E+00	3.02E-04	2.87E-04	1.80E-03	0.00E+00	5.26E-03	2.37E-00	6.99E-10	3.41E-02	5.73E-04	2.10E-02	3.87E-03	3.99E-04	9.46E-02	2.08E+00	0.00E+00	2.78E-00	3.88E-01	4.20E-04	1.10E-03	2.78E-01	0.00E+00	2.00E+00	5.15E-03	2.00E+00	2.36E+00	2.78E-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+00	1.10E-04	6.92E-04	0.00E+00	2.02E-03	9.10E-00	2.68E-10	1.31E-02	2.40E-04	8.99E-03	1.42E-03	1.53E-04	3.44E-02	1.05E+00	0.00E+00	1.07E-00	1.40E-01	1.62E-04	4.23E-07	1.07E-01	0.00E+00	8.00E-01	1.99E-03	8.00E-01	9.07E-01	1.07E-01	0.00E+00	0.00E+00	0.00E+00	6.99E-03
HDA050L	4.59E-04	2.06E-01	3.70E-02	1.67E-01	0.00E+00	0.00E+00	2.39E+00	2.24E+00	2.13E-04	1.34E-03	0.00E+00	3.95E-03	1.76E-00	5.18E-10	2.53E-02	4.29E-04	1.56E-02	2.72E-03	2.98E-04	7.02E-02	1.95E+00	0.00E+00	2.07E-00	2.71E-01	3.12E-04	8.17E-07	2.07E-01	0.00E+00	1.50E+00	3.93E-03	1.50E+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	1.66E-01	0.00E+00	0.00E+00	2.31E+00	2.24E+00	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.76E-00	5.18E-10	2.53E-02	4.29E-04	1.56E-02	2.72E-03	2.98E-04	7.02E-02	1.95E+00	0.00E+00	2.07E-00	2.71E-01	3.12E-04	8.17E-07	2.07E-01	0.00E+00	1.50E+00	3.93E-03	1.50E+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	4.88E-02	2.14E-01	0.00E+00	0.00E+00	2.91E+00	2.83E-04	2.69E-04	1.69E-03	0.00E+00	4.94E-03	2.22E-00	6.50E-10	3.30E-02	5.37E-04	1.97E-02	3.43E-03	3.74E-04	8.87E-02	1.95E+00	0.00E+00	2.61E-00	3.43E-01	3.94E-04	1.03E-03	2.61E-01	0.00E+00	1.90E+00	4.89E-03	1.90E+00	2.21E+00	2.61E-01	0.00E+00	0.00E+00	0.00E+00	1.61E-02
HDA051Z	5.73E-04	2.60E-01	4.88E-02	2.01E-01	0.00E+00	0.00E+00	2.74E+00	2.68E-04	2.53E-04	1.59E-03	0.00E+00	4.84E-03	2.09E-00	6.15E-10	3.01E-02	5.06E-04	1.85E-02	3.22E-03	3.52E-04	8.83E-02	1.93E+00	0.00E+00	2.45E-00	3.22E-01	3.70E-04	9.70E-07	2.46E-01	0.00E+00	1.83E+00	4.97E-03	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	3.25E-02	1.16E-01	0.00E+00	0.00E+00	1.27E+00	1.52E-01	1.45E-04	9.10E-04	0.00E+00	3.69E-03	1.17E-00	3.55E-10	1.73E-02	2.89E-04	1.10E-02	1.99E-03	2.02E-04	4.93E-02	1.05E+00	0.00E+00	1.41E-00	1.95E-01	3.12E-04	5.37E-07	1.41E-01	0.00E+00	1.05E+00	2.62E-03	1.05E+00	1.17E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00	8.69E-03
HDA063L	1.48E-04	6.79E-02	1.22E-02	5.54E-02	0.00E+00	0.00E+00	9.79E-04	1.02E-00	7.00E-05	4.39E-04	0.00E+00	1.26E-03	3.78E-00	1.47E-10	6.90E-01	1.46E-04	5.06E-03	8.94E-04	9.98E-05	2.30E-02	5.07E-01	0.00E+00	6.79E-00	6.90E-01	1.02E-04	2.69E-07	6.79E-02	0.00E+00	5.97E-01	1.26E-03	5.97E-01	1.17E-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-00	2.05E-04	1.30E-03	0.00E+00	3.75E-03	1.69E-00	4.99E-10	2.19E-02	4.06E-04	1.75E-02	5.52E-03	3.02E-04	7.22E-02	1.51E+00	0.00E+00	2.00E-00	2.69E-01	3.03E-04	8.15E-08	2.03E-01	0.00E+00	1.91E+00	3.92E-03	1.91E+00	1.71E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-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-00	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-00	4.97E-10	2.19E-02	4.04E-04	1.72E-02	5.53E-03	3.00E-04	7.19E-02	1.50E+00	0.00E+00	1.99E-00	2.64E-01	3.01E-04	8.09E-08	2.02E-01	0.00E+00	1.90E+00	3.79E-03	1.90E+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	2.11E+00	2.15E-00	2.04E-04	1.28E-03	0.00E+00	3.75E-03	1.69E-00	4.97E-10	2.19E-02	4.03E-04	1.69E-02	5.47E-03	2.94E-04	6.73E-02	1.48E+00	0.00E+00	1.98E-00	2.60E-01	2.99E-04	7.83E-08	1.98E-01	0.00E+00	1.86E+00	3.69E-03	1.86E+00	1.69E+00	1.98E-01	0.00E+00	0.00E+00	0.00E+00	1.22E-02
HDA064U	6.21E-04	2.83E-01	5.06E-02	2.31E-01	0.00E+00	0.00E+00	3.26E+00	3.24E-00	2.92E-04	1.83E-03	0.00E+00	5.43E-03	2.14E-00	7.11E-10	3.43E-02	5.89E-04	2.14E-02	3.74E-03	4.04E-04	9.83E-02	1.15E+00	0.00E+00	2.83E-00	3.72E-01	4.29E-04	1.12E-03	2.83E-01	0.00E+00	2.12E+00	5.93E-03	2.12E+00	2.46E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00	1.74E-02
HDA064Z	6.05E-04	2.78E-01	4.95E-02	2.28E-01	0.00E+00	0.00E+00	3.08E+00	2.99E-00	2.89E-04	1.79E-03	0.00E+00	5.22E-03	2.35E-00	6.93E-10	3.39E-02	5.89E-04	2.09E-02	3.64E-03	3.96E-04	9.39E-02	1.07E+00	0.00E+00	2.78E-00	3.63E-01	4.17E-04	1.09E-03	2.77E-01	0.00E+00	2.07E+00	5.14E-03	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	3.25E-02	1.16E-01	0.00E+00	0.00E+00	1.27E+00	1.52E-01	1.45E-04	9.10E-04	0.00E+00	3.69E-03	1.17E-00	3.55E-10	1.73E-02	2.89E-04	1.10E-02	1.99E-03	2.02E-04	4.93E-02	1.05E+00	0.00E+00	1.41E-00	1.95E-01	3.12E-04	5.37E-07	1.41E-01	0.00E+00	1.05E+00	2.62E-03	1.05E+00	1.17E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00	8.69E-03
HDA080L	3.25E-04	1.48E-01	2.86E-02	1.22E-01	0.00E+00	0.00E+00	1.69E+00	1.61E-00	1.53E-04	9.81E-04	0.00E+00	2.81E-03	1.26E-00	3.79E-10	3.95E-02	3.06E-04	1.12E-02	1.93E-03	2.13E-04	5.04E-02	1.11E+00	0.00E+00	1.48E-00	1.95E-01	2.24E-04	5.87E-08	1.48E-01	0.00E+00	1.11E+00	2.78E-03	1.11E+00	1.26E+00	1.48E-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-00	2.05E-04	1.30E-03	0.00E+00	3.75E-03	1.69E-00	4.99E-10	2.19E-02	4.06E-04	1.75E-02	5.52E-03	3.02E-04	7.22E-02	1.51E+00	0.00E+00	2.00E-00	2.69E-01	3.03E-04	8.15E-08	2.03E-01	0.00E+00	1.91E+00	3.92E-03	1.91E+00	1.71E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-02
HDA080Z	4.59E-04	2.06E-01	3.70E-02	1.67E-01	0.00E+00	0.00E+00	2.29E+00	2.22E-00	2.13E-04	1.34E-03	0.00E+00	3.95E-03	1.76E-00	5.18E-10	2.53E-02	4.22E-04	1.56E-02	2.72E-03	2.94E-04	6.97E-02	1.94E+00	0.00E+00	2.07E-00	2.71E-01	3.10E-04	8.09E-08	2.06E-01	0.00E+00	1.54E+00	3.93E-03	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	3.89E+00	3.50E-00	3.32E-04	2.02E-03	0.00E+00	6.11E-03	2.75E-00	8.10E-10	3.99E-02	6.95E-04	2.43E-02	4.27E-03	4.82E-04	1.19E-01	2.42E-02	0.00E+00	3.23E-00	4.24E-01	4.89E-04	1.29E-03	3.24E-01	0.00E+00	2.42E+00	6.01E-03	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	5.26E-02	2.41E-01	0.00E+00	0.00E+00	3.29E+00	3.15E-00	3.04E-04	1.91E-03	0.00E+00	5.57E-03	2.51E-00	7.39E-10	3.81E-02	6.90E-04	2.22E-02	3.89E-03	4.22E-04	1.09E-01	2.20E-02	0.00E+00	2.94E-00	3.87E-01	4.49E-04	1.16E-03	2.94E-01	0.00E+00	2.20E+00	5.48E-03	2.20E+00	2.50E+00	2.94E-01	0.00E+00	0.00E+00	0.00E+00	1.81E-02
HDA081Z	6.34E-04	2.93E-01	5.19E-02	2.37E-01	0.00E+00	0.00E+00	3.27E+00	3.14E-00	2.99E-04	1.87E-03	0.00E+00	5.47E-03	2.46E-00	7.28E-10	3.55E-02	6.90E-04	2.16E-02	3.82E-03	4.15E-04	9.84E-02	1.17E+00	0.00E+00	2.90E-00	3.80E-01	4.37E-04	1.15E-03	2.90E-01	0.00E+00	2.17E+00	5.92E-03	2.17E+00	2.46E+00	2.93E-01	0.00E+00	0.00E+00	0.00E+00	1.86E-02
HDA098Z	3.08E-04	1.41E-01	3.25E-02	1.16E-01	0.00E+00	0.00E+00	1.27E+00	1.52E-01	1.45E-04	9.10E-04	0.00E+00	3.69E-03	1.17E-00	3.55E-10	1.73E-02	2.89E-04	1.10E-02	1.99E-03	2.02E-04	4.93E-02	1.05E+00	0.00E+00	1.41E-00	1.95E-01	3.12E-04	5.37E-07	1.41E-01	0.00E+00	1.05E+00	2.62E-03	1.05E+00	1.17E+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	1.03E+00	1.49E-00	1.42E-04	8.88E-04	0.00E+00	2.59E-03	1.17E-00	3.44E-10	1.68E-02	2.82E-04	1.03E-02	1.77E-03	1.97E-04	4.86E-02	1.03E+00	0.00E+00	1.37E-00	1.80E-01	2.07E-04	5.42E-08	1.37E-01	0.00E+00	1.03E+00	2.59E-03	1.03E+00	1.16E+00	1.37E-01	0.00E+00	0.00E+00	0.00E+00	8.44E-03
HDA100U	4.39E-04	2.06E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-00	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-00	4.97E-10	2.19E-02	4.04E-04	1.72E-02	5.53E-03	3.00E-04	7.19E-02	1.50E+00	0.00E+00	1.99E-00	2.64E-01	3.01E-04	8.09E-08	2.02E-01	0.00E+00	1.90E+00	3.79E-03	1.90E+00	1.70E+00	2.02E-01	0.			

HHA023E	2.22E-04	1.61E-01	1.82E-02	8.32E-02	0.00E+00	0.00E+00	1.13E+00	1.10E+00	1.05E+04	6.57E-04	0.00E+00	1.92E-03	8.63E-00	2.55E-10	1.34E-02	2.09E-04	7.65E-03	1.34E-03	1.48E-04	3.45E-02	7.95E-01	0.00E+00	1.02E-09	1.33E-00	1.53E-04	4.91E-06	1.02E-01	0.00E+00	7.95E-01	1.89E-03	7.95E-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	1.29E+00	1.22E-00	1.16E+04	7.28E-04	0.00E+00	2.12E-03	9.57E-00	2.82E-10	1.38E-02	2.32E-04	8.49E-03	1.49E-03	1.61E-04	3.93E-02	8.42E-01	0.00E+00	1.13E-09	1.48E-00	1.70E-04	4.45E-06	1.13E-01	0.00E+00	8.42E-01	2.16E-03	8.42E-01	9.55E-01	1.13E-01	0.00E+00	0.00E+00	0.00E+00	6.92E-03
HHA025H	3.45E-04	1.97E-01	2.82E-02	1.26E-01	0.00E+00	0.00E+00	1.78E+00	1.71E-00	1.62E+04	1.02E-03	0.00E+00	2.99E-03	1.34E-00	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-00	2.38E-04	6.22E-06	1.58E-01	0.00E+00	1.18E+00	2.93E-03	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	2.29E-01	4.95E-02	1.89E-01	0.00E+00	0.00E+00	2.52E+00	2.45E-00	2.33E+04	1.46E-03	0.00E+00	4.29E-03	1.92E-00	5.67E-10	2.72E-02	3.69E-04	1.70E-02	2.99E-03	3.24E-04	7.89E-02	1.94E+00	0.00E+00	2.28E-09	2.97E-00	3.42E-04	8.94E-06	2.27E-01	0.00E+00	1.89E+00	4.21E-03	1.89E+00	1.92E+00	2.27E-01	0.00E+00	0.00E+00	0.00E+00	1.39E-02
HHA025Z	3.95E-04	1.79E-01	3.91E-02	1.87E-01	0.00E+00	0.00E+00	2.00E+00	1.93E-00	1.85E+04	1.16E-03	0.00E+00	3.53E-03	1.50E-00	4.25E-10	2.49E-02	3.06E-04	1.35E-02	2.35E-03	2.57E-04	6.09E-02	1.64E+00	0.00E+00	1.79E-09	2.38E-00	2.71E-04	6.29E-06	1.80E-01	0.00E+00	1.34E+00	3.14E-03	1.34E+00	1.50E+00	1.80E-01	0.00E+00	0.00E+00	0.00E+00	1.15E-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-00	1.62E-04	1.01E-03	0.00E+00	2.99E-03	1.33E-00	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-00	2.36E-04	6.18E-06	1.57E-01	0.00E+00	1.17E+00	2.91E-03	1.17E+00	1.33E+00	1.57E-01	0.00E+00	0.00E+00	0.00E+00	9.42E-03
HHA026U	6.14E-04	2.90E-01	5.02E-02	2.29E-01	0.00E+00	0.00E+00	3.13E+00	3.04E-00	2.99E-04	1.81E-03	0.00E+00	5.30E-03	2.38E-00	7.02E-10	3.49E-02	5.76E-04	2.11E-02	3.69E-03	4.02E-04	9.32E-02	2.00E+00	0.00E+00	2.89E-09	3.68E-00	4.23E-04	1.11E-05	2.81E-01	0.00E+00	2.00E+00	5.21E-03	2.00E+00	2.38E+00	2.81E-01	0.00E+00	0.00E+00	0.00E+00	1.72E-02
HHA026Z	4.39E-04	2.04E-01	3.59E-02	1.64E-01	0.00E+00	0.00E+00	2.24E+00	2.17E-00	2.07E-04	1.30E-03	0.00E+00	3.79E-03	1.71E-00	5.03E-10	2.46E-02	4.13E-04	1.51E-02	2.61E-03	2.87E-04	6.81E-02	1.90E+00	0.00E+00	2.01E-09	2.63E-00	3.03E-04	7.93E-06	2.01E-01	0.00E+00	1.50E+00	3.79E-03	1.50E+00	1.70E+00	2.01E-01	0.00E+00	0.00E+00	0.00E+00	1.23E-02
HHA030E	2.20E-04	1.01E-01	1.82E-02	8.32E-02	0.00E+00	0.00E+00	1.13E+00	1.10E-00	1.05E+04	6.56E-04	0.00E+00	1.92E-03	8.63E-00	2.55E-10	1.34E-02	2.09E-04	7.65E-03	1.34E-03	1.45E-04	3.45E-02	7.95E-01	0.00E+00	1.02E-09	1.33E-00	1.53E-04	4.91E-06	1.02E-01	0.00E+00	7.95E-01	1.89E-03	7.95E-01	8.61E-01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	6.25E-03
HHA030Z	2.47E-04	1.12E-01	2.02E-02	9.22E-02	0.00E+00	0.00E+00	1.29E+00	1.22E-00	1.16E+04	7.28E-04	0.00E+00	2.12E-03	9.57E-00	2.82E-10	1.38E-02	2.32E-04	8.49E-03	1.49E-03	1.61E-04	3.93E-02	8.42E-01	0.00E+00	1.13E-09	1.48E-00	1.70E-04	4.45E-06	1.13E-01	0.00E+00	8.42E-01	2.16E-03	8.42E-01	9.55E-01	1.13E-01	0.00E+00	0.00E+00	0.00E+00	6.92E-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-00	2.10E-04	1.32E-03	0.00E+00	3.84E-03	1.73E-00	5.10E-10	2.49E-02	4.16E-04	1.53E-02	2.69E-03	2.91E-04	6.91E-02	1.92E+00	0.00E+00	2.03E-09	2.67E-00	3.07E-04	8.04E-06	2.04E-01	0.00E+00	1.92E+00	3.76E-03	1.92E+00	1.72E+00	2.04E-01	0.00E+00	0.00E+00	0.00E+00	1.35E-02
HHA033Z	4.84E-04	2.20E-01	3.95E-02	1.81E-01	0.00E+00	0.00E+00	2.47E+00	2.39E-00	2.28E-04	1.43E-03	0.00E+00	4.18E-03	1.88E-00	5.54E-10	2.71E-02	4.55E-04	1.66E-02	2.89E-03	3.17E-04	7.90E-02	1.95E+00	0.00E+00	2.21E-09	2.90E-00	3.34E-04	8.75E-06	2.21E-01	0.00E+00	1.85E+00	4.11E-03	1.85E+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-00	1.12E-04	7.02E-04	0.00E+00	2.05E-03	9.23E-00	2.72E-10	1.33E-02	2.24E-04	8.16E-03	1.44E-03	1.56E-04	3.89E-02	8.11E-01	0.00E+00	1.09E-09	1.42E-00	1.64E-04	4.29E-06	1.09E-01	0.00E+00	8.11E-01	2.02E-03	8.11E-01	9.20E-01	1.09E-01	0.00E+00	0.00E+00	0.00E+00	6.68E-03
HHA040H	3.98E-04	1.79E-01	3.91E-02	1.87E-01	0.00E+00	0.00E+00	2.00E+00	1.93E-00	1.85E-04	1.16E-03	0.00E+00	3.53E-03	1.50E-00	4.25E-10	2.49E-02	3.06E-04	1.35E-02	2.35E-03	2.57E-04	6.09E-02	1.64E+00	0.00E+00	1.79E-09	2.38E-00	2.71E-04	6.29E-06	1.80E-01	0.00E+00	1.34E+00	3.14E-03	1.34E+00	1.50E+00	1.80E-01	0.00E+00	0.00E+00	0.00E+00	1.15E-02
HHA040U	4.39E-04	2.04E-01	3.59E-02	1.64E-01	0.00E+00	0.00E+00	2.24E+00	2.17E-00	2.07E-04	1.30E-03	0.00E+00	3.79E-03	1.71E-00	5.03E-10	2.46E-02	4.13E-04	1.51E-02	2.61E-03	2.87E-04	6.81E-02	1.90E+00	0.00E+00	2.01E-09	2.63E-00	3.03E-04	7.93E-06	2.01E-01	0.00E+00	1.50E+00	3.79E-03	1.50E+00	1.70E+00	2.01E-01	0.00E+00	0.00E+00	0.00E+00	1.23E-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-00	2.15E-04	1.35E-03	0.00E+00	3.93E-03	1.77E-00	5.22E-10	2.59E-02	4.28E-04	1.57E-02	2.74E-03	2.98E-04	7.07E-02	1.96E+00	0.00E+00	2.08E-09	2.73E-00	3.14E-04	8.22E-06	2.08E-01	0.00E+00	1.56E+00	3.79E-03	1.56E+00	1.78E+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-00	1.42E-04	8.93E-04	0.00E+00	2.61E-03	1.17E-00	3.46E-10	2.84E-02	4.03E-04	1.03E-02	1.78E-03	1.98E-04	4.88E-02	1.90E+00	0.00E+00	1.38E-09	1.81E-00	2.08E-04	5.45E-06	1.38E-01	0.00E+00	1.03E+00	2.91E-03	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	2.90E-01	5.02E-02	2.29E-01	0.00E+00	0.00E+00	3.13E+00	3.04E-00	2.99E-04	1.81E-03	0.00E+00	5.30E-03	2.38E-00	7.02E-10	3.49E-02	5.76E-04	2.11E-02	3.69E-03	4.02E-04	9.32E-02	2.00E+00	0.00E+00	2.89E-09	3.68E-00	4.23E-04	1.11E-05	2.81E-01	0.00E+00	2.00E+00	5.21E-03	2.00E+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	3.20E-02	2.38E-01	0.00E+00	0.00E+00	3.34E+00	3.26E-00	3.15E-04	1.86E-03	0.00E+00	5.46E-03	2.47E-00	7.26E-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	2.95E-09	3.81E-00	4.38E-04	1.15E-05	2.91E-01	0.00E+00	2.17E+00	5.46E-03	2.17E+00	2.46E-01	0.00E+00	0.00E+00	0.00E+00	1.75E-02	
HHA048Z	2.22E-04	1.04E-01	1.87E-02	8.59E-02	0.00E+00	0.00E+00	1.17E+00	1.13E-00	1.08E-04	6.70E-04	0.00E+00	1.97E-03	8.89E-00	2.62E-10	1.29E-02	2.15E-04	7.87E-03	1.38E-03	1.50E-04	3.55E-02	7.91E-01	0.00E+00	1.04E-09	1.37E-00	1.59E-04	4.13E-06	1.04E-01	0.00E+00	7.91E-01	1.94E-03	7.91E-01	8.89E-01	1.04E-01	0.00E+00	0.00E+00	0.00E+00	6.42E-03
HHA050Z	4.52E-04	2.06E-01	3.69E-02	1.69E-01	0.00E+00	0.00E+00	2.30E+00	2.22E-00	2.13E-04	1.33E-03	0.00E+00	3.90E-03	1.75E-00	5.17E-10	2.53E-02	4.24E-04	1.55E-02	2.71E-03	2.96E-04	7.01E-02	1.94E+00	0.00E+00	2.06E-09	2.71E-00	3.11E-04	8.15E-06	2.07E-01	0.00E+00	1.54E+00	3.64E-03	1.54E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HHA051Z	4.86E-04	2.12E-01	3.81E-02	1.74E-01	0.00E+00	0.00E+00	2.37E+00	2.31E-00	2.20E-04	1.36E-03	0.00E+00	4.02E-03	1.81E-00	5.34E-10	2.61E-02	4.36E-04	1.67E-02	2.78E-03	3.00E-04	7.23E-02	1.95E+00	0.00E+00	2.13E-09	2.79E-00	3.21E-04	8.41E-06	2.13E-01	0.00E+00	1.59E+00	3.62E-03	1.59E+00	1.80E+00	2.13E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-02
HHA061Z	3.98E-04	1.41E-01	3.25E-02	1.60E-01	0.00E+00	0.00E+00	1.97E+00	1.92E-00	1.85E-04	1.16E-03	0.00E+00	3.53E-03	1.50E-00	4.25E-10	2.49E-02	3.06E-04	1.35E-02	2.35E-03	2.57E-04	6.09E-02	1.64E+00	0.00E+00	1.79E-09	2.38E-00	2.71E-04	6.29E-06	1.80E-01	0.00E+00	1.34E+00	3.14E-03	1.34E+00	1.50E+00	1.80E-01	0.00E+00	0.00E+00	0.00E+00	1.15E-02
HHA063H	4.37E-04	2.04E-01	3.59E-02	1.69E-01	0.00E+00	0.00E+00	2.19E+00	2.17E-00	2.03E-04	1.29E-03	0.00E+00	3.72E-03	1.69E-00	4.95E-10	2.54E-02	4.03E-04	1.69E-02	4.94E-03	2.97E-04	7.07E-02	1.94E+00	0.00E+00	1.98E-09	2.63E-00	3.00E-04	8.02E-06	2.01E-01	0.00E+00	1.49E+00	3.76E-03	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	2.04E-01	3.52E-02	1.70E-01	0.00E+00	0.00E+00	2.20E+00	2.18E-00	2.04E-04	1.29E-03	0.00E+00	3.73E-03	1.67E-00	4.97E-10	2.56E-02	4.04E-04	1.72E-02	5.23E-03	3.00E-04	7.15E-02	1.93E+00	0.00E+00	1.99E-09	2.64E-00	3.01E-04	8.09E-06	2.02E-01	0.00E+00	1.50E+00	3.79E-03	1.50E+00	1.70E+00	2.02E-01	0.00E+00	0.		

HHU631DE	1282-01	532E-01	134E-01	478E-01	000E+00	000E+00	650E+00	632E+00	601E+00	377E-01	000E+00	110E-02	436E-00	146E-00	715E-02	120E-03	441E-02	800E-03	837E-04	138E-01	433E+00	000E+00	933E-00	785E-00	880E-04	231E-05	584E-01	000E+00	436E+00	109E+00	436E+00	494E+00	584E-01	000E+00	000E+00	000E+00	358E-02
HHM100ER	102E-03	484E-01	833E-02	381E-01	000E+00	000E+00	519E+00	504E+00	480E+00	301E-03	000E+00	879E-03	396E-00	117E-00	570E-02	937E-04	516E-02	817E-03	837E-04	158E-01	344E+00	000E+00	485E-00	611E-00	702E-04	184E-05	469E-01	000E+00	348E+00	886E+00	348E+00	395E+00	485E-01	000E+00	000E+00	000E+00	286E-02
HHM101ER	148E-03	688E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM103ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM125ER	102E-03	484E-01	833E-02	381E-01	000E+00	000E+00	519E+00	504E+00	480E+00	301E-03	000E+00	879E-03	396E-00	117E-00	570E-02	937E-04	516E-02	817E-03	837E-04	158E-01	344E+00	000E+00	485E-00	611E-00	702E-04	184E-05	469E-01	000E+00	348E+00	886E+00	348E+00	395E+00	485E-01	000E+00	000E+00	000E+00	286E-02
HHM126ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM128ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM150ER	102E-03	484E-01	833E-02	381E-01	000E+00	000E+00	519E+00	504E+00	480E+00	301E-03	000E+00	879E-03	396E-00	117E-00	570E-02	937E-04	516E-02	817E-03	837E-04	158E-01	344E+00	000E+00	485E-00	611E-00	702E-04	184E-05	469E-01	000E+00	348E+00	886E+00	348E+00	395E+00	485E-01	000E+00	000E+00	000E+00	286E-02
HHM151ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM153ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM160ER	102E-03	484E-01	833E-02	381E-01	000E+00	000E+00	519E+00	504E+00	480E+00	301E-03	000E+00	879E-03	396E-00	117E-00	570E-02	937E-04	516E-02	817E-03	837E-04	158E-01	344E+00	000E+00	485E-00	611E-00	702E-04	184E-05	469E-01	000E+00	348E+00	886E+00	348E+00	395E+00	485E-01	000E+00	000E+00	000E+00	286E-02
HHM161ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM163ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM200ER	102E-03	484E-01	833E-02	381E-01	000E+00	000E+00	519E+00	504E+00	480E+00	301E-03	000E+00	879E-03	396E-00	117E-00	570E-02	937E-04	516E-02	817E-03	837E-04	158E-01	344E+00	000E+00	485E-00	611E-00	702E-04	184E-05	469E-01	000E+00	348E+00	886E+00	348E+00	395E+00	485E-01	000E+00	000E+00	000E+00	286E-02
HHM201ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM203ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM250ER	102E-03	484E-01	833E-02	381E-01	000E+00	000E+00	519E+00	504E+00	480E+00	301E-03	000E+00	879E-03	396E-00	117E-00	570E-02	937E-04	516E-02	817E-03	837E-04	158E-01	344E+00	000E+00	485E-00	611E-00	702E-04	184E-05	469E-01	000E+00	348E+00	886E+00	348E+00	395E+00	485E-01	000E+00	000E+00	000E+00	286E-02
HHM251ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HHM253ER	146E-03	686E-01	120E-01	548E-01	000E+00	000E+00	748E+00	724E+00	690E+00	433E-03	000E+00	126E-02	566E-00	168E-00	820E-02	138E-03	504E-02	888E-03	938E-04	227E-01	500E+00	000E+00	669E-00	878E-00	101E-03	264E-05	678E-01	000E+00	500E+00	124E+00	500E+00	567E+00	678E-01	000E+00	000E+00	000E+00	412E-02
HS014EC	310E-04	141E-01	234E-02	118E-01	000E+00	000E+00	139E+00	134E+00	148E+00	910E-04	000E+00	286E-03	120E-00	355E-01	174E-02	291E-04	107E-02	189E-03	232E-04	482E-02	109E+00	000E+00	142E-00	185E-00	214E-04	565E-05	142E-01	000E+00	105E+00	284E+00	105E+00	128E+00	142E-01	000E+00	000E+00	000E+00	872E-03
HS019EC	307E-04	140E-01	231E-02	115E-01	000E+00	000E+00	137E+00	132E+00	145E+00	904E-04	000E+00	285E-03	118E-00	352E-01	172E-02	289E-04	106E-02	187E-03	231E-04	477E-02	108E+00	000E+00	141E-00	184E-00	212E-04	555E-05	141E-01	000E+00	105E+00	281E+00	105E+00	128E+00	141E-01	000E+00	000E+00	000E+00	864E-03
HS023EC	334E-04	152E-01	275E-02	125E-01	000E+00	000E+00	150E+00	145E+00	157E+00	987E-04	000E+00	288E-03	130E-00	383E-01	179E-02	314E-04	116E-02	202E-03	245E-04	519E-02	114E+00	000E+00	153E-00	200E-00	230E-04	684E-05	153E-01	000E+00	114E+00	284E+00	114E+00	129E+00	153E-01	000E+00	000E+00	000E+00	942E-03
HS025BC	448E-04	211E-01	375E-02	175E-01	000E+00	000E+00	206E+00	201E+00	218E+00	137E-03	000E+00	405E-03	180E-00	510E-01	238E-02	439E-04	159E-02	277E-03	308E-04	719E-02	158E+00	000E+00	210E-00	278E-00	320E-04	878E-05	210E-01	000E+00	158E+00	348E+00	158E+00	153E+00	210E-01	000E+00	000E+00	000E+00	130E-02
HS025DC	587E-04	258E-01	464E-02	232E-01	000E+00	000E+00	289E+00	284E+00	297E+00	168E-03	000E+00	490E-03	220E-00	648E-01	317E-02	533E-04	195E-02	341E-03	371E-04	880E-02	194E+00	000E+00	259E-00	340E-00	391E-04	102E-05	259E-01	000E+00	194E+00	482E+00	194E+00	220E+00	259E-01	000E+00	000E+00	000E+00	155E-02
HS025DR	526E-04	240E-01	430E-02	197E-01	000E+00	000E+00	268E+00	263E+00	249E+00	155E-03	000E+00	454E-03	204E-00	602E-01	234E-02	434E-04	181E-02	316E-03	344E-04	816E-02	183E+00	000E+00	245E-00	315E-00	332E-04	930E-05	245E-01	000E+00	183E+00	447E+00	183E+00	204E+00	245E-01	000E+00	000E+00	000E+00	148E-02
HS026BC	729E-04	332E-01	596E-02	273E-01	000E+00	000E+00	372E+00	367E+00	344E+00	215E-03	000E+00	630E-03	283E-00	838E-01	408E-02	685E-04	251E-02	438E-03	477E-04	113E-01	249E+00	000E+00	332E-00	437E-00	503E-04	132E-05	334E-01	000E+00	249E+00	620E+00	249E+00	282E+00	334E-01	000E+00	000E+00	000E+00	205E-02
HS026DC	729E-04	332E-01	596E-02	273E-01	000E+00	000E+00	372E+00	367E+00	344E+00	215E-03	000E+00	630E-03	283E-00	838E-01	408E-02	685E-04	251E-02	438E-03	477E-04	113E-01	249E+00	000E+00	332E-00	437E-00	503E-04	132E-05	334E-01	000E+00	249E+00	620E+00	249E+00	282E+00					

HHT125BR	1.02E-04	4.87E-04	8.36E-04	3.83E-01	0.00E+00	0.00E+00	5.22E+00	5.07E+00	4.83E-04	3.03E-04	0.00E+00	8.84E-03	3.98E-00	1.17E+00	5.74E-02	9.63E-04	3.33E-02	6.20E-03	6.71E-04	1.93E-01	3.50E+00	0.00E+00	4.68E+00	6.14E+00	7.07E-04	1.85E+00	4.69E-01	0.00E+00	3.50E+00	8.71E+00	3.50E+00	3.97E+00	4.69E-01	0.00E+00	0.00E+00	0.00E+00	2.88E-02
HHT125DR	4.93E-04	2.27E-01	4.08E-02	1.86E-01	0.00E+00	0.00E+00	2.94E+00	2.47E+00	2.35E-04	1.47E-03	0.00E+00	4.31E-03	1.84E-00	5.71E+00	2.79E-02	4.68E-04	1.71E-02	2.94E-03	3.26E-04	7.73E-02	1.17E+00	0.00E+00	2.28E+00	2.93E+00	3.44E-04	8.00E+00	2.28E-01	0.00E+00	1.70E+00	4.24E+00	1.70E+00	1.93E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	1.45E-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+00	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-00	1.11E+00	5.42E-02	5.10E-04	3.33E-02	5.00E-03	6.34E-04	1.90E-01	3.31E+00	0.00E+00	4.42E+00	5.81E+00	6.88E-04	1.75E+00	4.43E-01	0.00E+00	3.31E+00	8.23E+00	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.73E-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+00	2.91E-04	1.82E-03	0.00E+00	5.33E-03	2.45E-00	7.66E+00	3.45E-02	9.80E-04	2.11E-02	3.63E-03	4.02E-04	9.26E-02	1.17E+00	0.00E+00	2.82E+00	3.70E+00	4.25E-04	1.11E+00	2.82E-01	0.00E+00	2.11E+00	5.24E+00	2.11E+00	2.39E+00	2.82E-01	0.00E+00	0.00E+00	0.00E+00	1.73E-02
HHT127DR	1.14E-05	5.29E-01	9.45E-03	4.54E-03	0.00E+00	0.00E+00	5.00E+00	5.07E+00	5.47E-04	3.43E-03	0.00E+00	1.00E-02	3.00E-00	1.50E+00	6.50E-02	1.09E-03	3.90E-02	7.01E-03	7.86E-04	1.80E-01	3.99E+00	0.00E+00	5.30E+00	6.96E+00	8.00E-04	5.31E+00	0.00E+00	0.00E+00	3.96E+00	8.00E+00	3.96E+00	4.50E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-02	
HHT160BR	1.02E-03	4.87E-04	8.36E-04	3.83E-01	0.00E+00	0.00E+00	5.22E+00	5.07E+00	4.83E-04	3.03E-04	0.00E+00	8.84E-03	3.98E-00	1.17E+00	5.74E-02	9.63E-04	3.33E-02	6.20E-03	6.71E-04	1.93E-01	3.50E+00	0.00E+00	4.68E+00	6.14E+00	7.07E-04	1.85E+00	4.69E-01	0.00E+00	3.50E+00	8.71E+00	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	7.72E-02	3.54E-01	0.00E+00	0.00E+00	4.82E+00	4.66E+00	4.45E-04	2.76E-03	0.00E+00	8.16E-03	3.67E-00	1.06E+00	5.29E-02	8.88E-04	3.29E-02	5.71E-03	6.19E-04	1.47E-01	3.23E+00	0.00E+00	4.32E+00	5.61E+00	6.52E-04	1.71E+00	4.33E-01	0.00E+00	3.23E+00	8.04E+00	3.23E+00	3.65E+00	4.33E-01	0.00E+00	0.00E+00	0.00E+00	2.65E-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+00	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-00	1.11E+00	5.42E-02	5.10E-04	3.33E-02	5.00E-03	6.34E-04	1.90E-01	3.31E+00	0.00E+00	4.42E+00	5.81E+00	6.88E-04	1.75E+00	4.43E-01	0.00E+00	3.31E+00	8.23E+00	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.73E-02
HHT161DR	4.53E-04	2.96E-01	3.71E-02	1.68E-01	0.00E+00	0.00E+00	2.91E+00	2.24E-01	2.13E-04	1.34E-03	0.00E+00	3.91E-03	1.73E-00	5.18E+00	2.53E-02	4.26E-04	1.50E-02	2.61E-03	2.98E-04	7.01E-02	1.55E+00	0.00E+00	2.07E+00	2.72E+00	3.12E-04	8.17E+00	2.07E-01	0.00E+00	1.55E+00	3.85E+00	1.55E+00	1.73E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HHT162DR	1.15E-05	5.29E-01	9.45E-03	4.54E-03	0.00E+00	0.00E+00	5.00E+00	5.07E+00	5.47E-04	3.43E-03	0.00E+00	1.00E-02	3.00E-00	1.50E+00	6.50E-02	1.09E-03	3.90E-02	7.01E-03	7.86E-04	1.80E-01	3.99E+00	0.00E+00	5.30E+00	6.96E+00	8.00E-04	5.31E+00	0.00E+00	0.00E+00	3.96E+00	8.00E+00	3.96E+00	4.50E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-02	
HHT200BR	1.02E-03	4.87E-04	8.36E-04	3.83E-01	0.00E+00	0.00E+00	5.22E+00	5.07E+00	4.83E-04	3.03E-04	0.00E+00	8.84E-03	3.98E-00	1.17E+00	5.74E-02	9.63E-04	3.33E-02	6.20E-03	6.71E-04	1.93E-01	3.50E+00	0.00E+00	4.68E+00	6.14E+00	7.07E-04	1.85E+00	4.69E-01	0.00E+00	3.50E+00	8.71E+00	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	7.92E-02	3.62E-01	0.00E+00	0.00E+00	4.94E+00	4.80E+00	4.57E-04	2.87E-03	0.00E+00	8.36E-03	3.77E-00	1.11E+00	5.43E-02	5.11E-04	3.34E-02	5.07E-03	6.35E-04	1.91E-01	3.31E+00	0.00E+00	4.43E+00	5.82E+00	6.89E-04	1.75E+00	4.44E-01	0.00E+00	3.31E+00	8.25E+00	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+00	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-00	1.11E+00	5.42E-02	5.10E-04	3.33E-02	5.00E-03	6.35E-04	1.90E-01	3.31E+00	0.00E+00	4.42E+00	5.81E+00	6.88E-04	1.75E+00	4.43E-01	0.00E+00	3.31E+00	8.23E+00	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.73E-02
HHT201DR	9.03E-04	4.08E-01	7.45E-02	3.35E-01	0.00E+00	0.00E+00	4.62E+00	4.49E+00	4.27E-04	2.67E-03	0.00E+00	7.85E-03	3.59E-00	1.04E+00	4.90E-02	4.83E-04	2.99E-02	5.83E-04	5.83E-04	1.38E-01	3.08E+00	0.00E+00	4.15E+00	5.41E+00	6.23E-04	1.62E+00	4.15E-01	0.00E+00	3.08E+00	7.94E+00	3.08E+00	3.45E+00	4.15E-01	0.00E+00	0.00E+00	0.00E+00	2.56E-02
HHT202DR	1.13E-05	5.15E-01	9.23E-03	4.22E-03	0.00E+00	0.00E+00	5.75E+00	5.58E+00	5.32E-04	3.33E-03	0.00E+00	8.74E-03	4.38E-00	1.29E+00	6.32E-02	1.06E-03	3.88E-02	6.81E-03	7.38E-04	1.75E-01	3.93E+00	0.00E+00	5.16E+00	6.77E+00	7.78E-04	2.04E+00	5.16E-01	0.00E+00	3.88E+00	9.00E+00	3.88E+00	4.37E+00	5.16E-01	0.00E+00	0.00E+00	0.00E+00	3.17E-02
HHT250BR	1.02E-03	4.87E-04	8.36E-04	3.83E-01	0.00E+00	0.00E+00	5.22E+00	5.07E+00	4.83E-04	3.03E-04	0.00E+00	8.84E-03	3.98E-00	1.17E+00	5.74E-02	9.63E-04	3.33E-02	6.20E-03	6.71E-04	1.93E-01	3.50E+00	0.00E+00	4.68E+00	6.14E+00	7.07E-04	1.85E+00	4.69E-01	0.00E+00	3.50E+00	8.71E+00	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	7.82E-02	3.55E-01	0.00E+00	0.00E+00	4.77E+00	4.63E+00	4.41E-04	2.76E-03	0.00E+00	8.09E-03	3.63E-00	1.07E+00	5.40E-02	9.10E-04	3.22E-02	5.65E-03	6.13E-04	1.45E-01	3.23E+00	0.00E+00	4.27E+00	5.61E+00	6.45E-04	1.89E+00	4.28E-01	0.00E+00	3.23E+00	7.95E+00	3.23E+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+00	4.56E-04	2.86E-03	0.00E+00	8.36E-03	3.76E-00	1.11E+00	5.42E-02	5.10E-04	3.33E-02	5.00E-03	6.34E-04	1.90E-01	3.31E+00	0.00E+00	4.42E+00	5.81E+00	6.88E-04	1.75E+00	4.43E-01	0.00E+00	3.31E+00	8.23E+00	3.31E+00	3.75E+00	4.43E-01	0.00E+00	0.00E+00	0.00E+00	2.73E-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+00	4.26E-04	2.68E-03	0.00E+00	7.81E-03	3.52E-00	1.04E+00	4.98E-02	8.51E-04	2.97E-02	5.83E-04	5.83E-04	1.38E-01	3.07E+00	0.00E+00	4.15E+00	5.39E+00	6.22E-04	1.62E+00	4.15E-01	0.00E+00	3.07E+00	7.83E+00	3.07E+00	3.45E+00	4.15E-01	0.00E+00	0.00E+00	0.00E+00	2.56E-02
HHT252DR	1.17E-05	5.34E-01	9.57E-03	4.38E-03	0.00E+00	0.00E+00	5.97E+00	5.79E+00	5.51E-04	3.46E-03	0.00E+00	1.01E-02	4.65E-00	1.34E+00	6.55E-02	1.10E-03	4.03E-02	7.07E-03	7.85E-04	1.82E-01	4.00E+00	0.00E+00	5.35E+00	7.02E+00	8.07E-04	2.11E+00	5.35E-01	0.00E+00	4.00E+00	9.95E+00	4.00E+00	4.53E+00	5.35E-01	0.00E+00	0.00E+00	0.00E+00	3.35E-02
HHW250DR	2.67E-03	1.22E+00	2.19E-01	1.05E+00	0.00E+00	0.00E+00	1.38E+01	1.32E+01	1.28E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-00	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+00	1.60E+00	1.84E-03	4.83E+00	1.22E+00	0.00E+00	9.13E+00	2.27E+01	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+01	1.54E-03	9.63E-03	0.00E+00	2.82E-02	1.27E-07	3.74E+00	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+00	1.96E+00	2.25E-03	5.90E+00	1.49E+00	0.00E+00	1.12E+01	2.78E+01	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	1.05E+00	0.00E+00	0.00E+00	1.38E+01	1.32E+01	1.28E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-00	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+00	1.60E+00	1.84E-03	4.83E+00	1.22E+00	0.00E+00	9.13E+00	2.27E+01	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+01	1.54E-03	9.63E-03	0.00E+00	2.82E-02	1.27E-07	3.74E+00	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+00	1.96E+00	2.25E-03	5.90E+00	1.49E+00	0.00E+00	1.12E+01	2.78E+01	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	1.05E+00	0.00E+00	0.00E+00	1.38E+01	1.32E+01	1.28E-03	7.90E-03	0.00E+00	2.31E-02	1.04E-07	3.06E-00	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+00	1.60E+00	1.84E-03	4.83E+00	1.22E+00	0.00E+00	9.13E+00	2.27E+01	9.13E+00	1.04E-01	1.22E+00	0.00E+00	0.00E+00		

HMS126BR	9795.04	4.46E-01	8.00E-02	3.86E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-08	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.00E-00	1.12E+00	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.53E-01	3.34E+00	0.00E+00	4.47E+00	5.87E-01	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-01	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS126DC	8.02E-04	3.99E-01	6.56E-02	3.00E-01	0.00E+00	0.00E+00	4.09E+00	3.97E-08	3.79E-04	2.37E-03	0.00E+00	6.92E-03	3.12E-00	9.19E-01	4.49E-02	7.53E-04	2.79E-02	4.83E-03	5.25E-04	1.24E-01	2.14E+00	0.00E+00	3.66E+00	4.81E-01	5.53E-04	1.45E-05	3.87E-01	0.00E+00	2.14E+00	6.82E-01	2.14E+00	3.11E+00	3.87E-01	0.00E+00	0.00E+00	0.00E+00	2.25E-02
HMS126DR	6.28E-04	2.98E-01	5.15E-02	2.36E-01	0.00E+00	0.00E+00	3.20E+00	3.11E-08	2.96E-04	1.83E-03	0.00E+00	5.42E-03	2.44E-00	7.19E-01	3.31E-02	5.90E-04	2.16E-02	3.78E-03	4.11E-04	9.74E-02	2.14E+00	0.00E+00	2.87E+00	4.37E-01	4.33E-04	1.13E-05	2.87E-01	0.00E+00	2.14E+00	5.33E-01	2.14E+00	2.43E+00	2.87E-01	0.00E+00	0.00E+00	0.00E+00	1.76E-02
HMS127DC	7.29E-04	3.32E-01	5.86E-02	2.72E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-08	3.44E-04	2.15E-03	0.00E+00	6.70E-03	2.83E-00	8.39E-01	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.32E+00	4.37E-01	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-01	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMS160BC	6.86E-04	3.13E-01	5.61E-02	2.61E-01	0.00E+00	0.00E+00	3.50E+00	3.40E-08	3.23E-04	2.03E-03	0.00E+00	6.52E-03	2.63E-00	7.89E-01	3.88E-02	6.65E-04	2.36E-02	4.15E-03	4.48E-04	1.06E-01	2.49E+00	0.00E+00	3.32E+00	4.17E-01	4.73E-04	1.24E-05	3.14E-01	0.00E+00	2.49E+00	5.33E-01	2.49E+00	2.46E+00	3.14E-01	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-08	2.50E-04	1.57E-03	0.00E+00	4.58E-03	2.09E-00	6.09E-01	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+00	3.18E-01	3.96E-04	8.68E-05	2.43E-01	0.00E+00	1.81E+00	4.51E-01	1.81E+00	2.05E+00	2.43E-01	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-08	3.30E-04	2.07E-03	0.00E+00	6.49E-03	2.72E-00	8.02E-01	3.92E-02	6.57E-04	2.41E-02	4.28E-03	4.59E-04	1.09E-01	2.33E+00	0.00E+00	3.20E+00	4.32E-01	4.83E-04	1.29E-05	3.20E-01	0.00E+00	2.33E+00	5.93E-01	2.33E+00	2.71E+00	3.20E-01	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-08	2.47E-04	1.53E-03	0.00E+00	4.53E-03	2.04E-00	6.01E-01	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+00	3.18E-01	3.02E-04	8.47E-05	2.40E-01	0.00E+00	1.79E+00	4.46E-01	1.79E+00	2.03E+00	2.40E-01	0.00E+00	0.00E+00	0.00E+00	1.47E-02
HMS161BC	7.34E-04	3.32E-01	5.82E-02	2.73E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-08	3.44E-04	2.15E-03	0.00E+00	6.70E-03	2.83E-00	8.39E-01	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.32E+00	4.37E-01	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-01	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMS161BR	9.79E-04	4.46E-01	8.00E-02	3.86E-01	0.00E+00	0.00E+00	4.99E+00	4.84E-08	4.61E-04	2.89E-03	0.00E+00	8.45E-03	3.00E-00	1.12E+00	5.48E-02	9.19E-04	3.37E-02	5.93E-03	6.41E-04	1.53E-01	3.34E+00	0.00E+00	4.47E+00	5.87E-01	6.75E-04	1.77E-05	4.48E-01	0.00E+00	3.34E+00	8.32E-01	3.34E+00	3.79E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HMS161DC	7.23E-04	3.32E-01	5.86E-02	2.72E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-08	3.44E-04	2.15E-03	0.00E+00	6.70E-03	2.83E-00	8.39E-01	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.32E+00	4.37E-01	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-01	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMS161DR	6.27E-04	2.98E-01	5.15E-02	2.36E-01	0.00E+00	0.00E+00	3.20E+00	3.11E-08	2.96E-04	1.83E-03	0.00E+00	5.42E-03	2.44E-00	7.19E-01	3.31E-02	5.90E-04	2.16E-02	3.78E-03	4.15E-04	9.74E-02	2.14E+00	0.00E+00	2.87E+00	4.37E-01	4.33E-04	1.13E-05	2.87E-01	0.00E+00	2.14E+00	5.33E-01	2.14E+00	2.43E+00	2.87E-01	0.00E+00	0.00E+00	0.00E+00	1.76E-02
HMS162DC	7.29E-04	3.32E-01	5.86E-02	2.72E-01	0.00E+00	0.00E+00	3.72E+00	3.61E-08	3.44E-04	2.15E-03	0.00E+00	6.70E-03	2.83E-00	8.39E-01	4.08E-02	6.85E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.32E+00	4.37E-01	5.03E-04	1.32E-05	3.34E-01	0.00E+00	2.49E+00	6.20E-01	2.49E+00	2.82E+00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HMT050DR	1.02E-03	4.84E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-08	4.80E-04	3.01E-03	0.00E+00	8.75E-03	3.19E-00	1.17E+00	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.87E-04	1.58E-01	3.48E+00	0.00E+00	4.65E+00	6.15E-01	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.89E-01	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HMT051DR	1.30E-03	5.92E-01	1.05E-01	4.86E-01	0.00E+00	0.00E+00	6.81E+00	6.62E-08	6.11E-04	3.83E-03	0.00E+00	1.12E-02	3.94E-00	1.49E+00	7.29E-02	1.22E-03	4.47E-02	7.89E-03	8.50E-04	2.01E-01	4.43E+00	0.00E+00	5.92E+00	7.78E-01	8.95E-04	2.34E-05	5.94E-01	0.00E+00	4.43E+00	1.10E-01	4.43E+00	5.03E+00	5.94E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-02
HMT063DR	1.01E-03	4.82E-01	8.29E-02	3.78E-01	0.00E+00	0.00E+00	5.17E+00	5.02E-08	4.78E-04	3.06E-03	0.00E+00	8.79E-03	3.19E-00	1.16E+00	5.87E-02	9.52E-04	3.49E-02	6.14E-03	6.84E-04	1.57E-01	3.48E+00	0.00E+00	4.63E+00	6.08E-01	6.99E-04	1.83E-05	4.64E-01	0.00E+00	3.48E+00	8.82E-01	3.48E+00	3.95E+00	4.64E-01	0.00E+00	0.00E+00	0.00E+00	2.85E-02
HMT064DR	1.12E-03	5.12E-01	8.19E-02	4.20E-01	0.00E+00	0.00E+00	5.72E+00	5.56E-08	5.29E-04	3.32E-03	0.00E+00	9.79E-03	3.47E-00	1.29E+00	6.29E-02	1.06E-03	3.71E-02	6.78E-03	7.36E-04	1.74E-01	3.48E+00	0.00E+00	5.13E+00	6.74E-01	7.75E-04	2.03E-05	5.14E-01	0.00E+00	3.48E+00	9.59E-01	3.48E+00	4.36E+00	5.14E-01	0.00E+00	0.00E+00	0.00E+00	3.16E-02
HMT100BR	1.02E-03	4.84E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-08	4.80E-04	3.01E-03	0.00E+00	8.75E-03	3.19E-00	1.17E+00	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.87E-04	1.58E-01	3.48E+00	0.00E+00	4.65E+00	6.15E-01	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.89E-01	3.48E+00	3.95E+00	4.66E-01	0.00E+00	0.00E+00	0.00E+00	2.86E-02
HMT100DR	6.58E-04	2.98E-01	5.15E-02	2.36E-01	0.00E+00	0.00E+00	3.20E+00	3.11E-08	2.96E-04	1.83E-03	0.00E+00	5.42E-03	2.44E-00	7.19E-01	3.31E-02	5.90E-04	2.16E-02	3.78E-03	4.27E-04	1.01E-01	2.23E+00	0.00E+00	2.86E+00	4.30E-01	4.11E-05	1.29E-05	2.36E-01	0.00E+00	2.23E+00	5.59E-01	2.23E+00	2.39E-01	0.00E+00	0.00E+00	0.00E+00	1.64E-02	
HMT101BR	1.30E-03	5.92E-01	1.05E-01	4.86E-01	0.00E+00	0.00E+00	6.81E+00	6.62E-08	6.11E-04	3.83E-03	0.00E+00	1.12E-02	3.94E-00	1.49E+00	7.29E-02	1.22E-03	4.47E-02	7.89E-03	8.48E-04	2.01E-01	4.43E+00	0.00E+00	5.91E+00	7.78E-01	8.95E-04	2.34E-05	5.92E-01	0.00E+00	4.43E+00	1.10E-01	4.43E+00	5.01E+00	5.92E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-02
HMT101DR	1.14E-03	5.27E-01	8.45E-02	4.32E-01	0.00E+00	0.00E+00	5.89E+00	5.72E-08	5.45E-04	3.42E-03	0.00E+00	9.89E-03	3.48E-00	1.32E+00	6.47E-02	1.09E-03	3.99E-02	6.88E-03	7.57E-04	1.79E-01	3.39E+00	0.00E+00	5.28E+00	6.93E-01	7.97E-04	2.05E-05	5.28E-01	0.00E+00	3.39E+00	9.43E-01	3.39E+00	4.48E+00	5.28E-01	0.00E+00	0.00E+00	0.00E+00	3.25E-02
HMT102DR	1.18E-03	6.88E-01	1.20E-01	5.48E-01	0.00E+00	0.00E+00	7.46E+00	7.24E-08	6.90E-04	4.33E-03	0.00E+00	1.26E-02	3.99E-00	1.68E+00	8.20E-02	1.38E-03	5.04E-02	8.68E-03	9.30E-04	2.27E-01	4.60E+00	0.00E+00	6.89E+00	8.79E-01	1.01E-05	2.84E-05	6.78E-01	0.00E+00	4.60E+00	1.24E-01	4.60E+00	5.67E+00	6.78E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-02
HMT125BR	1.02E-03	4.84E-01	8.33E-02	3.81E-01	0.00E+00	0.00E+00	5.19E+00	5.04E-08	4.80E-04	3.01E-03	0.00E+00	8.75E-03	3.19E-00	1.17E+00	5.70E-02	9.57E-04	3.51E-02	6.17E-03	6.87E-04	1.58E-01	3.48E+00	0.00E+00	4.65E+00	6.15E-01	7.02E-04	1.84E-05	4.66E-01	0.00E+00	3.48E+00	8.89E-01	3.48E+00	3.95E+00	4.66E-01	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-08	2.87E-04	1.80E-03	0.00E+00	5.26E-03	2.37E-00	6.99E-01	3.41E-02	5.72E-04	2.09E-02	3.63E-03	3.99E-04	9.49E-02	2.09E+00	0.00E+00	2.78E+00	3.69E-01	4.20E-04	1.10E-05	2.78E-01	0.00E+00	2.09E+00	5.18E-01	2.09E+00	2.36E+00	2.78E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-02
HMT126BR	1.30E-03	5.92E-01	1.05E-01	4.86E-01	0.00E+00	0.00E+00	6.81E+00	6.62E-08	6.11E-04	3.83E-03	0.00E+00	1.12E-02	3.94E-00	1.49E+00	7.29E-02	1.22E-03	4.47E-02	7.89E-03	8.48E-04	2.01E-01	4.43E+00	0.00E+00	5.91E+00	7.78E-01	8.95E-04	2.34E-05	5.92E-01	0.00E+00	4.43E+00	1.10E-01	4.43E+00	5.01E+00	5.92E-01	0.00E+00	0.0		

HNA063M	347E-04	1.58E-01	2.84E-02	1.30E-01	0.00E+00	0.00E+00	1.77E+01	1.72E+00	1.64E-04	1.03E-01	0.00E+00	3.00E-03	1.35E-00	3.99E-10	1.94E-02	3.26E-04	1.19E-02	2.08E-03	2.27E-04	5.93E-02	1.19E+00	0.00E+00	1.59E-00	2.08E-01	2.40E-04	6.27E-06	1.59E-01	0.00E+00	1.19E+00	2.95E-03	1.19E+00	1.34E+00	1.59E-01	0.00E+00	0.00E+00	0.00E+00	9.78E-03
HNA063U	433E-04	2.09E-01	3.70E-02	1.69E-01	0.00E+00	0.00E+00	2.31E+01	2.24E+00	2.13E-04	1.34E-01	0.00E+00	3.91E-03	1.79E-00	5.19E-10	2.53E-02	4.25E-04	1.56E-02	2.72E-03	2.98E-04	7.02E-02	1.55E+00	0.00E+00	2.07E-00	2.71E-01	3.12E-04	8.17E-06	2.07E-01	0.00E+00	1.55E+00	3.95E-03	1.55E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HNA063Z	452E-04	2.09E-01	3.69E-02	1.68E-01	0.00E+00	0.00E+00	2.30E+01	2.23E+00	2.13E-04	1.33E-01	0.00E+00	3.90E-03	1.78E-00	5.17E-10	2.52E-02	4.24E-04	1.55E-02	2.71E-03	2.98E-04	7.01E-02	1.54E+00	0.00E+00	2.06E-00	2.70E-01	3.11E-04	8.15E-06	2.07E-01	0.00E+00	1.54E+00	3.94E-03	1.54E+00	1.75E+00	2.07E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HNA064M	445E-04	2.03E-01	3.64E-02	1.66E-01	0.00E+00	0.00E+00	2.27E+01	2.20E+00	2.10E-04	1.32E-01	0.00E+00	3.84E-03	1.75E-00	5.10E-10	2.49E-02	4.19E-04	1.53E-02	2.64E-03	2.97E-04	6.90E-02	1.52E+00	0.00E+00	2.03E-00	2.67E-01	3.07E-04	8.04E-06	2.04E-01	0.00E+00	1.52E+00	3.79E-03	1.52E+00	1.72E+00	2.04E-01	0.00E+00	0.00E+00	0.00E+00	1.25E-02
HNA064U	436E-04	1.99E-01	3.57E-02	1.63E-01	0.00E+00	0.00E+00	2.25E+01	2.18E+00	2.09E-04	1.29E-01	0.00E+00	3.79E-03	1.73E-00	5.08E-10	2.46E-02	4.16E-04	1.50E-02	2.63E-03	2.96E-04	6.85E-02	1.50E+00	0.00E+00	2.02E-00	2.65E-01	3.05E-04	8.01E-06	2.03E-01	0.00E+00	1.49E+00	3.73E-03	1.49E+00	1.70E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	1.22E-02
HNA064U	833E-04	2.98E-01	5.17E-02	2.37E-01	0.00E+00	0.00E+00	3.22E+01	3.13E-00	2.98E-04	1.87E-01	0.00E+00	5.46E-03	2.46E-00	7.29E-10	3.54E-02	5.94E-04	2.18E-02	3.81E-03	4.14E-04	9.82E-02	2.19E+00	0.00E+00	2.99E-00	3.79E-01	4.36E-04	1.14E-05	2.89E-01	0.00E+00	2.19E+00	5.93E-03	2.19E+00	2.45E+00	2.89E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HNA064Z	657E-04	3.04E-01	4.85E-02	2.49E-01	0.00E+00	0.00E+00	3.40E+01	3.30E-00	3.14E-04	1.97E-01	0.00E+00	5.79E-03	2.59E-00	7.83E-10	3.73E-02	6.20E-04	2.29E-02	4.03E-03	4.36E-04	1.03E-01	2.29E+00	0.00E+00	3.04E-00	4.09E-01	4.59E-04	1.20E-05	3.05E-01	0.00E+00	2.29E+00	5.69E-03	2.29E+00	2.59E+00	3.05E-01	0.00E+00	0.00E+00	0.00E+00	1.87E-02
HNA080H	333E-04	1.52E-01	2.72E-02	1.24E-01	0.00E+00	0.00E+00	1.69E+01	1.65E-00	1.57E-04	9.82E-04	0.00E+00	2.87E-03	1.29E-00	3.81E-10	1.89E-02	3.12E-04	1.14E-02	1.97E-03	2.17E-04	5.19E-01	1.14E+00	0.00E+00	1.52E-00	1.99E-01	2.29E-04	6.00E-06	1.52E-01	0.00E+00	1.14E+00	2.83E-03	1.14E+00	1.29E+00	1.52E-01	0.00E+00	0.00E+00	0.00E+00	9.34E-03
HNA080M	322E-04	1.47E-01	2.63E-02	1.22E-01	0.00E+00	0.00E+00	1.64E+01	1.59E-00	1.52E-04	9.50E-04	0.00E+00	2.79E-03	1.24E-00	3.85E-10	1.86E-02	3.02E-04	1.12E-02	1.91E-03	2.10E-04	4.99E-01	1.12E+00	0.00E+00	1.47E-00	1.93E-01	2.22E-04	5.90E-06	1.47E-01	0.00E+00	1.10E+00	2.73E-03	1.10E+00	1.25E+00	1.47E-01	0.00E+00	0.00E+00	0.00E+00	9.03E-03
HNA080U	423E-04	1.92E-01	3.45E-02	1.61E-01	0.00E+00	0.00E+00	2.19E+01	2.09E-00	2.10E-04	1.25E-01	0.00E+00	3.64E-03	1.63E-00	4.58E-10	2.39E-02	3.96E-04	1.45E-02	2.53E-03	2.76E-04	6.54E-01	1.44E+00	0.00E+00	1.92E-00	2.53E-01	2.91E-04	7.61E-06	1.92E-01	0.00E+00	1.44E+00	3.58E-03	1.44E+00	1.63E-01	0.00E+00	0.00E+00	0.00E+00	1.16E-02	
HNA080Z	433E-04	2.07E-01	3.72E-02	1.70E-01	0.00E+00	0.00E+00	2.33E+01	2.25E-00	2.14E-04	1.34E-01	0.00E+00	3.92E-03	1.77E-00	5.21E-10	2.54E-02	4.27E-04	1.56E-02	2.75E-03	2.97E-04	7.05E-02	1.55E+00	0.00E+00	2.08E-00	2.72E-01	3.13E-04	8.21E-06	2.08E-01	0.00E+00	1.55E+00	3.96E-03	1.55E+00	1.79E+00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	1.39E-02
HNA081H	435E-04	1.98E-01	3.56E-02	1.63E-01	0.00E+00	0.00E+00	2.22E+01	2.15E-00	2.05E-04	1.29E-01	0.00E+00	3.76E-03	1.69E-00	4.99E-10	2.43E-02	4.09E-04	1.49E-02	2.58E-03	2.85E-04	6.79E-02	1.49E+00	0.00E+00	1.99E-00	2.61E-01	3.00E-04	7.85E-06	1.99E-01	0.00E+00	1.49E+00	3.70E-03	1.49E+00	1.69E-01	0.00E+00	0.00E+00	0.00E+00	1.22E-02	
HNA081M	409E-04	1.86E-01	3.35E-02	1.53E-01	0.00E+00	0.00E+00	2.09E+01	2.02E-00	1.93E-04	1.21E-01	0.00E+00	3.53E-03	1.59E-00	4.69E-10	2.39E-02	3.84E-04	1.45E-02	2.42E-03	2.88E-04	6.34E-02	1.49E+00	0.00E+00	1.87E-00	2.45E-01	2.92E-04	7.38E-06	1.87E-01	0.00E+00	1.49E+00	3.48E-03	1.49E+00	1.59E-01	0.00E+00	0.00E+00	0.00E+00	1.15E-02	
HNA081U	145E-04	2.80E-01	5.02E-02	2.30E-01	0.00E+00	0.00E+00	3.10E+01	2.99E-00	2.86E-04	1.81E-01	0.00E+00	5.02E-03	2.38E-00	6.49E-10	3.50E-02	5.76E-04	2.11E-02	3.65E-03	4.02E-04	9.32E-02	2.09E+00	0.00E+00	2.80E-00	3.68E-01	4.23E-04	1.15E-05	2.81E-01	0.00E+00	2.09E+00	5.21E-03	2.09E+00	2.30E+00	2.81E-01	0.00E+00	0.00E+00	0.00E+00	1.72E-02
HNA081Z	605E-04	2.78E-01	4.95E-02	2.28E-01	0.00E+00	0.00E+00	3.08E+01	2.99E-00	2.85E-04	1.79E-01	0.00E+00	5.02E-03	2.38E-00	6.39E-10	3.50E-02	5.69E-04	2.09E-02	3.64E-03	3.98E-04	9.30E-02	2.07E+00	0.00E+00	2.79E-00	3.63E-01	4.17E-04	1.09E-05	2.77E-01	0.00E+00	2.07E+00	5.14E-03	2.07E+00	2.34E+00	2.77E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-02
HNA100H	311E-04	1.42E-01	2.54E-02	1.16E-01	0.00E+00	0.00E+00	1.59E+01	1.54E-00	1.46E-04	9.18E-04	0.00E+00	2.89E-03	1.21E-00	3.59E-10	1.74E-02	3.02E-04	1.07E-02	1.84E-03	2.05E-04	4.83E-01	1.08E+00	0.00E+00	1.42E-00	1.96E-01	2.14E-04	6.81E-06	1.42E-01	0.00E+00	1.08E+00	2.44E-03	1.08E+00	1.20E+00	1.42E-01	0.00E+00	0.00E+00	0.00E+00	8.73E-03
HNA100M	358E-04	1.63E-01	2.93E-02	1.34E-01	0.00E+00	0.00E+00	1.83E+01	1.77E-00	1.69E-04	1.06E-01	0.00E+00	3.09E-03	1.39E-00	4.16E-10	2.00E-02	3.27E-04	1.23E-02	2.13E-03	2.34E-04	5.99E-01	1.22E+00	0.00E+00	1.64E-00	2.15E-01	2.47E-04	6.47E-06	1.64E-01	0.00E+00	1.22E+00	3.04E-03	1.22E+00	1.39E-01	0.00E+00	0.00E+00	0.00E+00	1.01E-02	
HNA100U	459E-04	2.07E-01	3.72E-02	1.79E-01	0.00E+00	0.00E+00	2.32E+01	2.25E-00	2.15E-04	1.34E-01	0.00E+00	3.92E-03	1.77E-00	5.22E-10	2.55E-02	4.30E-04	1.57E-02	2.74E-03	2.94E-04	7.07E-02	1.54E+00	0.00E+00	2.09E-00	2.72E-01	3.14E-04	8.22E-06	2.09E-01	0.00E+00	1.54E+00	3.97E-03	1.54E+00	1.79E+00	2.09E-01	0.00E+00	0.00E+00	0.00E+00	1.26E-02
HNA100Z	415E-04	2.05E-01	3.68E-02	1.69E-01	0.00E+00	0.00E+00	2.30E+01	2.23E-00	2.14E-04	1.33E-01	0.00E+00	3.90E-03	1.75E-00	5.20E-10	2.55E-02	4.29E-04	1.56E-02	2.73E-03	2.94E-04	6.99E-02	1.54E+00	0.00E+00	2.09E-00	2.70E-01	3.11E-04	8.15E-06	2.08E-01	0.00E+00	1.54E+00	3.93E-03	1.54E+00	1.74E-00	2.08E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-02
HNA101H	530E-04	2.51E-01	4.50E-02	2.09E-01	0.00E+00	0.00E+00	2.89E+01	2.72E-00	2.59E-04	1.62E-01	0.00E+00	4.74E-03	2.14E-00	6.29E-10	3.07E-02	5.19E-04	1.89E-02	3.29E-03	3.62E-04	6.53E-02	1.89E+00	0.00E+00	2.51E-00	3.30E-01	3.79E-04	9.92E-06	2.51E-01	0.00E+00	1.89E+00	4.87E-03	1.89E+00	2.13E+00	2.51E-01	0.00E+00	0.00E+00	0.00E+00	1.54E-02
HNA101M	419E-04	1.91E-01	3.42E-02	1.56E-01	0.00E+00	0.00E+00	2.13E+01	2.07E-00	1.97E-04	1.24E-01	0.00E+00	3.61E-03	1.63E-00	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-00	2.51E-01	2.89E-04	7.55E-06	1.91E-01	0.00E+00	1.43E+00	3.56E-03	1.43E+00	1.63E-01	0.00E+00	0.00E+00	0.00E+00	1.16E-02	
HNA101U	634E-04	2.99E-01	5.19E-02	2.37E-01	0.00E+00	0.00E+00	3.23E+01	3.14E-00	2.99E-04	1.87E-01	0.00E+00	5.47E-03	2.46E-00	7.29E-10	3.59E-02	5.96E-04	2.18E-02	3.62E-03	4.15E-04	9.44E-02	2.19E+00	0.00E+00	2.90E-00	3.80E-01	4.37E-04	1.15E-05	2.90E-01	0.00E+00	2.19E+00	5.99E-03	2.19E+00	2.46E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-02
HNA101Z	634E-04	2.99E-01	5.18E-02	2.37E-01	0.00E+00	0.00E+00	3.23E+01	3.14E-00	2.99E-04	1.87E-01	0.00E+00	5.47E-03	2.46E-00	7.29E-10	3.59E-02	5.95E-04	2.17E-02	3.62E-03	4.15E-04	9.43E-02	2.19E+00	0.00E+00	2.90E-00	3.80E-01	4.37E-04	1.14E-05	2.90E-01	0.00E+00	2.19E+00	5.98E-03	2.19E+00	2.45E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HNA125H	329E-04	1.50E-01	2.69E-02	1.23E-01	0.00E+00	0.00E+00	1.87E+01	1.83E-00	1.55E-04	9.71E-04	0.00E+00	2.84E-03	1.28E-00	3.79E-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-00	1.97E-01	2.27E-04	6.93E-06	1.50E-01	0.00E+00	1.12E+00	2.79E-03	1.12E+00	1.27E+00	1.50E-01	0.00E+00	0.00E+00	0.00E+00	9.23E-03
HNA125M	161E-04	7.34E-02	1.32E-02	6.02E-02	0.00E+00	0.00E+00	8.23E-01	7.98E-01	7.60E-05	4.77E-04	0.00E+00	1.39E-03	6.27E-00	1.85E-10	9.00E-03	1.52E-04	5.50E-04	9.09E-04	1.09E-04	2.30E-01	5.51E-01	0.00E+00	7.35E-01	9.61E-01	1.11E-04	2.91E-06	7.35E-02	0.00E+00	5.51E-01	1.37E-01	5.51E-01	6.25E-01	7.35E-02	0.00E+00	0.00E+00	0.00E+00	4.52E-03
HNA125U	452E-04	2.07E-01																																			

HNS025DR	5265.04	2.40E-01	4.30E-02	1.97E-01	0.00E+00	0.00E+00	2.68E+00	2.80E+00	2.48E+00	1.55E-03	0.00E+00	4.54E-03	2.04E-00	6.02E-10	2.34E-02	4.94E-04	1.81E-02	3.18E-03	3.44E-04	8.15E-02	1.79E+00	0.00E+00	2.45E-00	3.15E-00	3.62E-04	9.45E-06	2.40E-01	0.00E+00	1.79E+00	4.47E-03	1.79E+00	2.03E-00	2.43E-01	0.00E+00	0.00E+00	0.00E+00	1.44E-02
HNS026BC	729E-04	3.33E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.77E+00	3.81E+00	3.44E+00	2.15E-03	0.00E+00	6.30E-03	2.83E-00	8.35E-10	4.08E-02	6.88E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-00	4.37E-00	5.03E-04	1.32E-03	3.34E-01	0.00E+00	2.40E+00	6.20E-03	2.49E+00	2.62E-00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS026BR	979E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.94E+00	4.61E+00	2.89E-03	0.00E+00	8.45E-03	3.80E-00	1.12E-09	5.48E-02	9.19E-04	3.73E-02	5.94E-03	6.47E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-00	5.87E-00	6.75E-04	1.77E-03	4.48E-01	0.00E+00	3.34E+00	8.32E-03	3.34E+00	3.78E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS026DC	736E-04	3.45E-01	6.19E-02	2.83E-01	0.00E+00	0.00E+00	3.96E+00	3.75E+00	3.57E+00	2.24E-03	0.00E+00	6.54E-03	2.94E-00	8.68E-10	4.34E-02	7.12E-04	2.81E-02	4.95E-03	4.96E-04	1.18E-01	2.17E+00	0.00E+00	3.46E-00	4.54E-00	5.22E-04	1.37E-03	3.47E-01	0.00E+00	2.99E+00	6.44E-03	2.99E+00	2.93E+00	3.47E-01	0.00E+00	0.00E+00	0.00E+00	2.13E-02
HNS026DR	639E-04	2.89E-01	5.19E-02	2.39E-01	0.00E+00	0.00E+00	3.28E+00	3.16E+00	2.99E+00	1.87E-03	0.00E+00	4.84E-03	2.47E-00	7.17E-10	3.59E-02	6.05E-04	2.16E-02	3.80E-03	4.15E-04	9.85E-02	2.15E+00	0.00E+00	2.90E-00	3.86E-00	4.38E-04	1.18E-03	2.90E-01	0.00E+00	2.16E+00	5.39E-03	2.16E+00	2.56E+00	2.90E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
HNS040BC	436E-04	2.27E-01	4.07E-02	1.86E-01	0.00E+00	0.00E+00	2.54E+00	2.45E+00	2.35E+00	1.47E-03	0.00E+00	4.30E-03	1.94E-00	5.71E-10	2.79E-02	4.69E-04	1.71E-02	2.98E-03	3.26E-04	7.73E-02	1.70E+00	0.00E+00	2.28E-00	2.99E-00	3.43E-04	8.99E-06	2.28E-01	0.00E+00	1.70E+00	4.23E-03	1.70E+00	1.93E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	1.43E-02
HNS040BR	739E-04	3.32E-01	4.48E-02	2.27E-01	0.00E+00	0.00E+00	4.04E+00	3.92E+00	3.73E+00	2.34E-03	0.00E+00	6.49E-03	3.08E-00	9.09E-10	4.44E-02	7.45E-04	2.73E-02	4.83E-03	5.19E-04	1.23E-01	2.71E+00	0.00E+00	3.63E-00	4.79E-00	5.47E-04	1.43E-03	3.63E-01	0.00E+00	2.71E+00	6.74E-03	2.71E+00	3.07E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-02
HNS040DC	437E-04	2.28E-01	4.06E-02	1.86E-01	0.00E+00	0.00E+00	2.53E+00	2.45E+00	2.34E+00	1.47E-03	0.00E+00	4.29E-03	1.93E-00	5.69E-10	2.79E-02	4.67E-04	1.71E-02	2.98E-03	3.25E-04	7.71E-02	1.70E+00	0.00E+00	2.27E-00	2.98E-00	3.43E-04	8.97E-06	2.27E-01	0.00E+00	1.70E+00	4.23E-03	1.70E+00	1.93E+00	2.27E-01	0.00E+00	0.00E+00	0.00E+00	1.43E-02
HNS040DR	529E-04	2.41E-01	4.32E-02	1.98E-01	0.00E+00	0.00E+00	2.69E+00	2.61E+00	2.45E+00	1.56E-03	0.00E+00	4.59E-03	2.05E-00	7.39E-10	2.98E-02	4.91E-04	1.82E-02	3.18E-03	3.45E-04	8.30E-02	1.80E+00	0.00E+00	2.41E-00	3.17E-00	3.54E-04	9.35E-06	2.41E-01	0.00E+00	1.80E+00	4.42E-03	1.80E+00	2.05E+00	2.41E-01	0.00E+00	0.00E+00	0.00E+00	1.43E-02
HNS041BC	744E-04	3.32E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.77E+00	3.81E+00	3.44E+00	2.15E-03	0.00E+00	6.30E-03	2.83E-00	8.35E-10	4.08E-02	6.88E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-00	4.37E-00	5.03E-04	1.32E-03	3.34E-01	0.00E+00	2.40E+00	6.20E-03	2.49E+00	2.62E-00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS041BR	979E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.94E+00	4.61E+00	2.89E-03	0.00E+00	8.45E-03	3.80E-00	1.12E-09	5.48E-02	9.19E-04	3.73E-02	5.94E-03	6.47E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-00	5.87E-00	6.75E-04	1.77E-03	4.48E-01	0.00E+00	3.34E+00	8.32E-03	3.34E+00	3.78E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS041DC	829E-04	3.78E-01	6.75E-02	3.10E-01	0.00E+00	0.00E+00	4.22E+00	4.10E+00	3.90E+00	2.45E-03	0.00E+00	7.15E-03	3.22E-00	9.49E-10	4.44E-02	7.79E-04	2.85E-02	5.00E-03	5.43E-04	1.29E-01	2.83E+00	0.00E+00	3.78E-00	4.97E-00	5.71E-04	1.50E-03	3.78E-01	0.00E+00	2.83E+00	7.05E-03	2.83E+00	3.21E+00	3.78E-01	0.00E+00	0.00E+00	0.00E+00	2.33E-02
HNS041DR	610E-04	2.78E-01	4.69E-02	2.28E-01	0.00E+00	0.00E+00	3.15E+00	3.02E+00	2.87E+00	1.80E-03	0.00E+00	5.27E-03	2.37E-00	6.89E-10	3.41E-02	5.74E-04	2.10E-02	3.65E-03	3.99E-04	9.47E-02	2.08E+00	0.00E+00	2.78E-00	3.66E-00	4.21E-04	1.10E-03	2.78E-01	0.00E+00	2.08E+00	5.19E-03	2.08E+00	2.68E+00	2.78E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-02
HNS050BC	686E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.36E+00	3.28E+00	3.13E+00	2.03E-03	0.00E+00	5.91E-03	2.67E-00	7.89E-10	3.54E-02	6.05E-04	2.31E-02	4.38E-03	4.48E-04	1.09E-01	2.45E+00	0.00E+00	3.13E-00	4.17E-00	4.73E-04	1.24E-03	3.13E-01	0.00E+00	2.45E+00	5.83E-03	2.45E+00	2.86E+00	3.13E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HNS050BR	736E-04	3.45E-01	6.19E-02	2.83E-01	0.00E+00	0.00E+00	4.03E+00	3.91E+00	3.72E+00	2.33E-03	0.00E+00	6.82E-03	3.07E-00	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.71E+00	0.00E+00	3.61E-00	4.74E-00	5.45E-04	1.43E-03	3.61E-01	0.00E+00	2.71E+00	6.72E-03	2.71E+00	3.08E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HNS051BC	729E-04	3.33E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.77E+00	3.81E+00	3.44E+00	2.15E-03	0.00E+00	6.30E-03	2.83E-00	8.35E-10	4.08E-02	6.88E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-00	4.37E-00	5.03E-04	1.32E-03	3.34E-01	0.00E+00	2.40E+00	6.20E-03	2.49E+00	2.62E-00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS051BR	979E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.94E+00	4.61E+00	2.89E-03	0.00E+00	8.45E-03	3.80E-00	1.12E-09	5.48E-02	9.19E-04	3.73E-02	5.94E-03	6.47E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-00	5.87E-00	6.75E-04	1.77E-03	4.48E-01	0.00E+00	3.34E+00	8.32E-03	3.34E+00	3.78E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS051DC	829E-04	3.78E-01	6.75E-02	3.10E-01	0.00E+00	0.00E+00	4.22E+00	4.10E+00	3.90E+00	2.45E-03	0.00E+00	7.15E-03	3.22E-00	9.49E-10	4.44E-02	7.79E-04	2.85E-02	5.00E-03	5.43E-04	1.29E-01	2.83E+00	0.00E+00	3.78E-00	4.97E-00	5.71E-04	1.50E-03	3.78E-01	0.00E+00	2.83E+00	7.05E-03	2.83E+00	3.21E+00	3.78E-01	0.00E+00	0.00E+00	0.00E+00	2.33E-02
HNS051DR	610E-04	2.78E-01	4.69E-02	2.28E-01	0.00E+00	0.00E+00	3.15E+00	3.02E+00	2.87E+00	1.80E-03	0.00E+00	5.27E-03	2.37E-00	6.89E-10	3.41E-02	5.74E-04	2.10E-02	3.65E-03	3.99E-04	9.47E-02	2.08E+00	0.00E+00	2.78E-00	3.66E-00	4.21E-04	1.10E-03	2.78E-01	0.00E+00	2.08E+00	5.19E-03	2.08E+00	2.68E+00	2.78E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-02
HNS050BC	686E-04	3.13E-01	5.61E-02	2.57E-01	0.00E+00	0.00E+00	3.36E+00	3.28E+00	3.13E+00	2.03E-03	0.00E+00	5.91E-03	2.67E-00	7.89E-10	3.54E-02	6.05E-04	2.31E-02	4.38E-03	4.48E-04	1.09E-01	2.45E+00	0.00E+00	3.13E-00	4.17E-00	4.73E-04	1.24E-03	3.13E-01	0.00E+00	2.45E+00	5.83E-03	2.45E+00	2.86E+00	3.13E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-02
HNS050BR	736E-04	3.45E-01	6.19E-02	2.83E-01	0.00E+00	0.00E+00	4.03E+00	3.91E+00	3.72E+00	2.33E-03	0.00E+00	6.82E-03	3.07E-00	9.05E-10	4.42E-02	7.42E-04	2.72E-02	4.79E-03	5.17E-04	1.23E-01	2.71E+00	0.00E+00	3.61E-00	4.74E-00	5.45E-04	1.43E-03	3.61E-01	0.00E+00	2.71E+00	6.72E-03	2.71E+00	3.08E+00	3.61E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
HNS051BC	729E-04	3.33E-01	5.96E-02	2.73E-01	0.00E+00	0.00E+00	3.77E+00	3.81E+00	3.44E+00	2.15E-03	0.00E+00	6.30E-03	2.83E-00	8.35E-10	4.08E-02	6.88E-04	2.51E-02	4.38E-03	4.77E-04	1.13E-01	2.49E+00	0.00E+00	3.33E-00	4.37E-00	5.03E-04	1.32E-03	3.34E-01	0.00E+00	2.40E+00	6.20E-03	2.49E+00	2.62E-00	3.34E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-02
HNS051BR	979E-04	4.46E-01	8.00E-02	3.66E-01	0.00E+00	0.00E+00	4.99E+00	4.94E+00	4.61E+00	2.89E-03	0.00E+00	8.45E-03	3.80E-00	1.12E-09	5.48E-02	9.19E-04	3.73E-02	5.94E-03	6.47E-04	1.52E-01	3.34E+00	0.00E+00	4.47E-00	5.87E-00	6.75E-04	1.77E-03	4.48E-01	0.00E+00	3.34E+00	8.32E-03	3.34E+00	3.78E+00	4.48E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-02
HNS051DC	829E-04	3.78E-01	6.75E-02	3.10E-01	0.00E+00	0.00E+00	4.22E+00	4.10E+00	3.90E+00	2.45E-03	0.00E+00	7.15E-03	3.22E-00	9.49E-10	4.44E-02	7.79E-04	2.85E-02	5.00E-03	5.43E-04	1.29E-01	2.83E+00	0.00E+00	3.78E-00	4.97E-00	5.71E-04	1.50E-03	3.78E-01	0.00E+00	2.83E+00	7.05E-03	2.83E+00	3.21E+00	3.78E-01	0.00E+00	0.00E+00	0.00E+00	2.33E-02
HNS051DR	610E-04	2.78E-01	4.69E-02	2.28E-01	0.00E+00	0.00E+00	3.15E+00	3.02E+00	2.87E+00	1.80E-03	0.00E+00	5.27E-03	2.37E-00	6.89E-10	3.41E-02	5.74E-04	2.10E-02	3.65E-03	3.99E-04	9.47E-02	2.08E+00	0.00E+00	2.78E-00	3.66E-00	4.21E-04	1.10E-03	2.78E-01	0.00E+00	2.08E+00	5.19E-03	2.08E+00	2.68E+00	2.78E-01	0.00E+00	0.00E+00	0	

Usa B1-B7	HNT250DR	914E-04	411E-01	734E-02	336E-01	00E+00	00E+00	489E-04	431E-08	433E-04	276E-03	00E+00	734E-03	358E-08	105E-09	502E-02	886E-04	295E-02	308E-03	988E-04	139E-01	312E-00	00E+00	419E-09	547E-03	632E-04	183E-08	47E-01	00E+00	312E-00	771E-03	312E-00	354E-00	417E-01	00E+00	00E+00	00E+00	252E-02	
	HNT251BR	130E-03	539E-01	186E-01	489E-01	00E+00	00E+00	889E-04	841E-08	810E-04	332E-03	00E+00	112E-02	503E-08	148E-09	725E-02	122E-03	144E-02	783E-03	848E-04	231E-01	442E-03	00E+00	531E-09	779E-03	839E-04	234E-08	502E-01	00E+00	442E-03	116E-09	442E-03	501E-00	532E-01	00E+00	00E+00	00E+00	346E-02	
	HNT251DR	901E-04	407E-01	741E-02	333E-01	00E+00	00E+00	481E-04	445E-08	428E-04	268E-03	00E+00	741E-03	352E-08	104E-09	439E-02	851E-04	297E-02	388E-03	982E-04	138E-01	307E-00	00E+00	412E-09	539E-03	622E-04	182E-08	411E-01	00E+00	307E-00	742E-03	307E-00	348E-00	411E-01	00E+00	00E+00	00E+00	256E-02	
	HNT252DR	115E-03	525E-01	841E-02	431E-01	00E+00	00E+00	879E-04	879E-08	842E-04	340E-03	00E+00	894E-03	447E-08	132E-09	644E-02	108E-03	969E-03	635E-04	734E-04	173E-01	339E-00	00E+00	528E-09	630E-03	794E-04	208E-08	527E-01	00E+00	339E-00	742E-03	339E-00	446E-00	527E-01	00E+00	00E+00	00E+00	334E-02	
	HNW250DR	169E-03	772E-01	139E-01	639E-01	00E+00	00E+00	883E-04	883E-08	848E-04	300E-03	00E+00	848E-03	448E-08	108E-09	649E-02	109E-03	816E-02	612E-04	111E-03	283E-01	579E-00	00E+00	740E-09	1029E-03	117E-03	780E-08	779E-01	00E+00	579E-00	144E-09	639E-00	779E-01	00E+00	00E+00	00E+00	478E-02		
	HNW251DR	189E-03	890E-01	154E-01	709E-01	00E+00	00E+00	932E-04	934E-08	899E-04	558E-03	00E+00	183E-02	733E-08	218E-09	109E-01	177E-03	847E-02	111E-02	123E-03	233E-01	644E-00	00E+00	862E-09	113E-03	130E-03	341E-08	863E-01	00E+00	644E-00	160E-09	644E-00	731E-00	863E-01	00E+00	00E+00	00E+00	530E-02	
	HNW320BR	267E-03	132E-04	219E-01	100E-00	00E+00	00E+00	136E-01	132E-01	129E-03	730E-03	00E+00	231E-02	194E-07	309E-09	150E-01	251E-03	320E-04	161E-02	179E-03	415E-01	913E-00	00E+00	123E-09	160E-03	184E-03	483E-08	122E-00	00E+00	913E-00	227E-03	913E-00	194E-01	122E-00	00E+00	00E+00	00E+00	751E-02	
	HNW320DR	177E-03	890E-01	145E-01	661E-01	00E+00	00E+00	901E-04	879E-08	833E-04	522E-03	00E+00	153E-02	887E-08	202E-09	933E-02	108E-03	607E-02	109E-02	116E-03	274E-01	624E-00	00E+00	808E-09	108E-03	122E-03	319E-08	809E-01	00E+00	604E-00	150E-09	604E-00	685E-00	809E-01	00E+00	00E+00	00E+00	437E-02	
	HNW321BR	327E-03	149E-04	287E-01	122E-00	00E+00	00E+00	107E-01	162E-01	154E-03	935E-03	00E+00	382E-02	127E-07	374E-09	183E-01	307E-03	112E-01	198E-02	214E-03	507E-01	112E-01	00E+00	142E-09	198E-03	225E-03	530E-08	143E-00	00E+00	112E-01	279E-03	112E-01	127E-01	143E-00	00E+00	00E+00	00E+00	918E-02	
	HNW321DR	204E-03	929E-01	167E-01	781E-01	00E+00	00E+00	104E-01	110E-01	105E-03	601E-03	00E+00	107E-02	107E-07	174E-09	233E-09	114E-01	191E-03	899E-02	132E-03	316E-01	639E-00	00E+00	123E-09	140E-03	183E-03	537E-08	931E-01	00E+00	639E-00	173E-09	639E-00	831E-01	00E+00	00E+00	00E+00	572E-02		
	HNW400DR	178E-03	812E-01	146E-01	687E-01	00E+00	00E+00	939E-04	882E-08	840E-04	527E-03	00E+00	154E-02	839E-08	204E-09	937E-02	108E-03	812E-02	109E-02	117E-03	279E-01	639E-00	00E+00	814E-09	107E-03	123E-03	322E-08	815E-01	00E+00	639E-00	152E-09	639E-00	695E-00	815E-01	00E+00	00E+00	00E+00	531E-02	
	HNW401DR	201E-03	914E-01	164E-01	750E-01	00E+00	00E+00	102E-01	939E-04	945E-04	533E-03	00E+00	173E-02	780E-08	233E-09	112E-01	189E-03	868E-02	118E-02	131E-03	311E-01	685E-00	00E+00	918E-09	120E-03	138E-03	362E-08	918E-01	00E+00	685E-00	170E-09	685E-00	777E-00	918E-01	00E+00	00E+00	00E+00	543E-02	
	HNW500BR	232E-03	108E-04	180E-01	887E-01	00E+00	00E+00	108E-01	115E-01	109E-03	683E-03	00E+00	202E-02	108E-08	265E-09	374E-09	183E-01	308E-03	797E-02	139E-02	322E-03	339E-01	679E-00	00E+00	108E-09	130E-03	160E-03	418E-08	109E-00	00E+00	791E-00	197E-09	791E-00	897E-00	109E-00	00E+00	00E+00	00E+00	651E-02
	HNW501BR	327E-03	149E-04	287E-01	122E-00	00E+00	00E+00	107E-01	162E-01	154E-03	935E-03	00E+00	382E-02	127E-07	374E-09	183E-01	307E-03	112E-01	198E-02	214E-03	507E-01	112E-01	00E+00	142E-09	198E-03	225E-03	530E-08	143E-00	00E+00	112E-01	279E-03	112E-01	127E-01	143E-00	00E+00	00E+00	00E+00	918E-02	
	HPW250DR	139E-03	724E-01	130E-01	594E-01	00E+00	00E+00	810E-04	787E-08	749E-04	470E-03	00E+00	137E-02	818E-08	182E-09	889E-02	149E-03	546E-02	940E-03	104E-03	249E-01	543E-00	00E+00	728E-09	833E-03	110E-03	287E-08	727E-01	00E+00	543E-00	130E-09	543E-00	618E-00	727E-01	00E+00	00E+00	00E+00	448E-02	
	HPW251DR	183E-03	833E-01	150E-01	683E-01	00E+00	00E+00	932E-04	948E-08	891E-04	549E-03	00E+00	158E-02	705E-08	209E-09	102E-01	172E-03	879E-02	107E-02	129E-03	283E-01	624E-00	00E+00	839E-09	118E-03	138E-03	330E-08	839E-01	00E+00	624E-00	158E-09	624E-00	708E-00	839E-01	00E+00	00E+00	00E+00	513E-02	
	HPW320BR	267E-03	132E-04	219E-01	100E-00	00E+00	00E+00	136E-01	132E-01	129E-03	730E-03	00E+00	231E-02	194E-07	309E-09	150E-01	251E-03	320E-04	161E-02	179E-03	415E-01	913E-00	00E+00	123E-09	160E-03	184E-03	483E-08	122E-00	00E+00	913E-00	227E-03	913E-00	194E-01	122E-00	00E+00	00E+00	00E+00	751E-02	
	HPW320DR	181E-03	829E-01	147E-01	679E-01	00E+00	00E+00	924E-04	879E-08	849E-04	536E-03	00E+00	150E-02	794E-08	209E-09	101E-01	210E-03	320E-04	161E-02	179E-03	415E-01	913E-00	00E+00	123E-09	160E-03	184E-03	483E-08	122E-00	00E+00	913E-00	227E-03	913E-00	194E-01	122E-00	00E+00	00E+00	00E+00	509E-02	
	HPW321BR	327E-03	149E-04	287E-01	122E-00	00E+00	00E+00	107E-01	162E-01	154E-03	935E-03	00E+00	382E-02	127E-07	374E-09	183E-01	307E-03	112E-01	198E-02	214E-03	507E-01	112E-01	00E+00	142E-09	198E-03	225E-03	530E-08	143E-00	00E+00	112E-01	279E-03	112E-01	127E-01	143E-00	00E+00	00E+00	00E+00	918E-02	
	HPW321DR	162E-03	739E-01	133E-01	609E-01	00E+00	00E+00	939E-04	892E-08	850E-04	473E-03	00E+00	140E-02	839E-08	189E-09	905E-02	133E-03	555E-02	948E-03	138E-03	251E-01	535E-00	00E+00	749E-09	971E-03	112E-03	232E-08	741E-01	00E+00	535E-00	139E-09	535E-00	627E-00	741E-01	00E+00	00E+00	00E+00	458E-02	
	HPW400DR	183E-03	842E-01	151E-01	691E-01	00E+00	00E+00	944E-04	914E-08	871E-04	548E-03	00E+00	160E-02	718E-08	212E-09	103E-01	174E-03	835E-02	110E-02	121E-03	287E-01	631E-00	00E+00	848E-09	111E-03	127E-03	334E-08	848E-01	00E+00	631E-00	157E-09	631E-00	718E-00	848E-01	00E+00	00E+00	00E+00	518E-02	
	HPW401DR	207E-03	941E-01	169E-01	772E-01	00E+00	00E+00	105E-01	102E-01	972E-04	610E-03	00E+00	178E-02	804E-08	237E-09	114E-01	194E-03	709E-02	122E-02	136E-03	320E-01	705E-00	00E+00	943E-09	124E-03	142E-03	373E-08	943E-01	00E+00	705E-00	176E-09	705E-00	800E-00	943E-01	00E+00	00E+00	00E+00	582E-02	
	HPW500BR	267E-03	132E-04	219E-01	100E-00	00E+00	00E+00	136E-01	132E-01	129E-03	730E-03	00E+00	231E-02	194E-07	309E-09	150E-01	251E-03	320E-04	161E-02	179E-03	415E-01	913E-00	00E+00	123E-09	160E-03	184E-03	483E-08	122E-00	00E+00	913E-00	227E-03	913E-00	194E-01	122E-00	00E+00	00E+00	00E+00	751E-02	
	HPW501BR	327E-03	149E-04	287E-01	122E-00	00E+00	00E+00	107E-01	162E-01	154E-03	935E-03	00E+00	382E-02	127E-07	374E-09	183E-01	307E-03	112E-01	198E-02	214E-03	507E-01	112E-01	00E+00	142E-09	198E-03	225E-03	530E-08	143E-00	00E+00	112E-01	279E-03	112E-01	127E-01	143E-00	00E+00	00E+00	00E+00	918E-02	
	HST050DR	713E-04	325E-01	830E-02	267E-01	00E+00	00E+00	303E-04	333E-04	339E-04	211E-03	00E+00	416E-03	277E-08	817E-10	339E-02	670E-04	249E-04	428E-03	497E-04	111E-01	243E-00	00E+00	329E-09	427E-03	432E-04	129E-08	329E-01	00E+00	243E-00	60E-09	243E-00	278E-00	329E-01	00E+00	00E+00	00E+00	209E-02	
HST051DR	146E-03	689E-01	120E-01	548E-01	00E+00	00E+00	748E-04	724E-08	690E-04	433E-03	00E+00	126E-02	669E-08	168E-09	820E-02	138E-03	504E-02	888E-03	939E-04	227E-01	530E-00	00E+00	669E-09	879E-03	101E-03	284E-08	678E-01	00E+00	500E-00	124E-09	500E-00	567E-00	678E-01	00E+00	00E+00	00E+00	412E-02		
HST063DR	916E-04	416E-01	749E-02	343E-01	00E+00	00E+00	487E-04	453E-08	431E-04	271E-03	00E+00	312E-02	312E-07	309E-09	150E-01	513E-03	316E-02	533E-03	602E-04	142E-01	312E-00	00E+00	619E-09	549E-03	631E-04	165E-08	419E-01	00E+00	312E-00	779E-03	312E-00	335E-00	419E-01	00E+00	00E+00	00E+00	237E-02		
HST064DR	146E-03	689E-01																																					

HDA025Z	3.60E+01	6.92E+01	8.97E+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+00	2.05E+07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E+01	1.06E+01	1.69E+03	0.00E+00	3.10E+07	2.84E+00	1.35E+01	2.54E+03	4.14E+02	0.00E+00	1.86E+00	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	8.97E+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+00	2.05E+07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E+01	1.06E+01	1.69E+03	0.00E+00	3.10E+07	2.84E+00	1.35E+01	2.54E+03	4.14E+02	0.00E+00	1.86E+00	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	8.97E+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+00	2.05E+07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E+01	1.06E+01	1.69E+03	0.00E+00	3.10E+07	2.84E+00	1.35E+01	2.54E+03	4.14E+02	0.00E+00	1.86E+00	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	8.97E+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+00	2.05E+07	9.37E+01	1.86E+00	0.00E+00	0.00E+00	1.23E+01	1.06E+01	1.69E+03	0.00E+00	3.10E+07	2.84E+00	1.35E+01	2.54E+03	4.14E+02	0.00E+00	1.86E+00	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+00	1.30E+01	2.35E+02	0.00E+00	0.00E+00	0.00E+00	2.48E+01	3.78E+05	9.34E+03	1.50E+01	0.00E+00	5.04E+01	1.89E+00	4.48E+08	2.02E+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+01	2.95E+02	5.55E+04	9.08E+01	0.00E+00	3.70E+02	5.07E+08	3.70E+02	4.61E+02	9.08E+01	0.00E+00	0.00E+00	0.00E+00	1.15E+00
HDA030Z	7.87E+02	1.52E+01	1.53E+01	1.45E+01	0.00E+00	0.00E+00	2.48E+01	3.78E+05	9.34E+03	1.50E+01	0.00E+00	5.04E+01	1.89E+00	4.48E+08	2.02E+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+01	2.95E+02	5.55E+04	9.08E+01	0.00E+00	3.70E+02	5.07E+08	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	4.26E+01	4.16E+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+00	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+00	8.27E+02	1.56E+03	2.54E+02	0.00E+00	1.04E+03	1.42E+05	1.04E+03	1.25E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HDA032Z	1.99E+01	3.99E+01	7.16E+02	3.88E+01	0.00E+00	0.00E+00	7.95E+01	1.02E+04	2.43E+02	3.90E+01	0.00E+00	1.71E+00	4.89E+00	1.17E+07	5.74E+01	1.08E+00	0.00E+00	0.00E+00	7.00E+02	6.57E+00	9.24E+02	0.00E+00	1.89E+07	1.60E+00	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	4.26E+01	4.16E+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+00	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+00	8.27E+02	1.56E+03	2.54E+02	0.00E+00	1.04E+03	1.42E+05	1.04E+03	1.25E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HDA033Z	2.20E+01	4.24E+01	4.26E+01	4.16E+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+00	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+00	8.27E+02	1.56E+03	2.54E+02	0.00E+00	1.04E+03	1.42E+05	1.04E+03	1.25E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HDA038Z	9.71E+02	1.87E+01	1.86E+01	1.84E+01	0.00E+00	0.00E+00	3.96E+01	4.63E+05	1.15E+02	1.82E+01	0.00E+00	8.22E+01	2.33E+00	5.52E+08	2.52E+01	5.02E+01	0.00E+00	0.00E+00	3.32E+02	2.94E+00	4.57E+02	0.00E+00	8.37E+08	7.68E+01	3.94E+02	6.85E+04	1.12E+02	0.00E+00	4.57E+02	6.25E+08	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	5.96E+01	5.95E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.35E+04	3.43E+02	5.50E+01	0.00E+00	1.85E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.95E+02	8.73E+00	1.38E+03	0.00E+00	2.49E+07	2.28E+00	1.08E+01	2.04E+03	3.35E+02	0.00E+00	1.38E+03	1.86E+05	1.38E+03	1.69E+03	3.35E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA040U	2.81E+01	5.90E+01	9.35E+02	5.05E+01	0.00E+00	0.00E+00	9.02E+01	1.34E+04	3.38E+02	5.11E+01	0.00E+00	2.22E+00	6.41E+00	1.53E+07	7.32E+01	1.41E+00	0.00E+00	0.00E+00	9.17E+02	8.00E+00	1.29E+03	0.00E+00	2.47E+07	2.10E+00	1.08E+01	1.97E+03	3.40E+02	0.00E+00	1.29E+03	1.86E+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	5.96E+01	5.95E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.35E+04	3.43E+02	5.50E+01	0.00E+00	1.85E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.95E+02	8.73E+00	1.38E+03	0.00E+00	2.49E+07	2.28E+00	1.08E+01	2.04E+03	3.35E+02	0.00E+00	1.38E+03	1.86E+05	1.38E+03	1.69E+03	3.35E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA041L	2.89E+01	5.96E+01	5.95E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.35E+04	3.43E+02	5.50E+01	0.00E+00	1.85E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.95E+02	8.73E+00	1.38E+03	0.00E+00	2.49E+07	2.28E+00	1.08E+01	2.04E+03	3.35E+02	0.00E+00	1.38E+03	1.86E+05	1.38E+03	1.69E+03	3.35E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA041U	2.89E+01	5.96E+01	5.95E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.35E+04	3.43E+02	5.50E+01	0.00E+00	1.85E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.95E+02	8.73E+00	1.38E+03	0.00E+00	2.49E+07	2.28E+00	1.08E+01	2.04E+03	3.35E+02	0.00E+00	1.38E+03	1.86E+05	1.38E+03	1.69E+03	3.35E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA041Z	2.89E+01	5.96E+01	5.95E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.35E+04	3.43E+02	5.50E+01	0.00E+00	1.85E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.95E+02	8.73E+00	1.38E+03	0.00E+00	2.49E+07	2.28E+00	1.08E+01	2.04E+03	3.35E+02	0.00E+00	1.38E+03	1.86E+05	1.38E+03	1.69E+03	3.35E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HDA048Z	1.31E+01	2.32E+01	3.55E+01	2.49E+01	0.00E+00	0.00E+00	4.13E+01	6.29E+04	1.95E+02	2.50E+01	0.00E+00	8.47E+01	3.14E+00	7.47E+08	3.42E+01	6.90E+01	0.00E+00	0.00E+00	4.50E+02	3.97E+00	6.17E+02	0.00E+00	1.13E+07	1.04E+00	4.02E+02	3.29E+04	1.51E+02	0.00E+00	6.17E+02	8.42E+08	6.17E+02	7.88E+02	1.51E+02	0.00E+00	0.00E+00	0.00E+00	1.92E+00
HDA050L	4.84E+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+00	2.58E+07	1.18E+02	2.29E+00	0.00E+00	0.00E+00	1.58E+01	1.37E+01	2.13E+03	0.00E+00	3.52E+07	3.59E+00	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	4.84E+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+00	2.58E+07	1.18E+02	2.29E+00	0.00E+00	0.00E+00	1.58E+01	1.37E+01	2.13E+03	0.00E+00	3.52E+07	3.59E+00	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	4.84E+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+00	2.58E+07	1.18E+02	2.29E+00	0.00E+00	0.00E+00	1.58E+01	1.37E+01	2.13E+03	0.00E+00	3.52E+07	3.59E+00	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	2.29E+01	4.58E+02	8.61E+01	0.00E+00	0.00E+00	1.44E+01	2.12E+04	5.39E+02	8.65E+01	0.00E+00	2.91E+00	1.09E+00	2.58E+07	1.18E+02	2.29E+00	0.00E+00	0.00E+00	1.58E+01	1.37E+01	2.13E+03	0.00E+00	3.52E+07	3.59E+00	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
HDA063L	5.59E+01	1.08E+02	1.08E+02	1.05E+02	0.00E+00	0.00E+00	1.78E+02	2.67E+04	6.83E+02	1.06E+00	0.00E+00	3.98E+00	1.34E+00	3.18E+07	1.48E+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+00	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	2.02E+02	3.99E+04	8.97E+02	1.39E+00	0.00E+00	6.00E+00	1.75E+00	4.17E+07	2.09E+02	3.85E+00	0.00E+00	0.00E+00	2.58E+01	2.35E+01	3.51E+03	0.00E+00	8.79E+07	5.73E+00	2.73E+01	3.98E+03	6.28E+02	0.00E+00	3.51E+03	4.92E+05	3.51E+03	4.44E+03	6.28E+02	0.00E+00	0.00E+00	0.00E+00	1.05E+01
HDA063Z	5.05E+01	9.87E+01	1.82E+01	9.85E+01	0.00E+00	0.00E+00	1.88E+02	2.60E+04	6.18E+02	9.83E+01	0.00E+00	4.32E+00	1.24E+00	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	4.02E+00	1.94E+01	3.82E+03	6.58E+02	0.00E+00	2.49E+03	3.49E+05	2.49E+03	3.15E+03	6.58E+02	0.			

HEW321BR	1.97E+00	3.79E+00	3.82E+00	3.75E+00	0.00E+00	0.00E+00	6.20E+00	9.30E+00	2.34E+01	3.75E+00	0.00E+00	1.28E+01	4.71E+00	1.12E+00	5.13E+00	1.02E+01	0.00E+00	0.00E+00	6.75E+01	5.95E+01	9.25E+03	0.00E+00	1.70E+00	1.56E+00	7.59E+01	1.30E+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+00	3.82E+00	3.75E+00	0.00E+00	0.00E+00	6.20E+00	9.30E+00	2.34E+01	3.75E+00	0.00E+00	1.28E+01	4.71E+00	1.12E+00	5.13E+00	1.02E+01	0.00E+00	0.00E+00	6.75E+01	5.95E+01	9.25E+03	0.00E+00	1.70E+00	1.56E+00	7.59E+01	1.30E+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	5.98E+00	5.91E+00	5.77E+00	0.00E+00	0.00E+00	9.99E+00	1.45E+01	3.61E+01	5.80E+00	0.00E+00	1.95E+01	7.29E+00	1.73E+00	7.93E+00	1.98E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E+00	2.41E+00	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	4.48E+01
HEW401DR	3.04E+00	5.98E+00	5.91E+00	5.77E+00	0.00E+00	0.00E+00	9.99E+00	1.45E+01	3.61E+01	5.80E+00	0.00E+00	1.95E+01	7.29E+00	1.73E+00	7.93E+00	1.98E+01	0.00E+00	0.00E+00	1.04E+00	9.20E+01	1.43E+04	0.00E+00	2.63E+00	2.41E+00	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	4.48E+01
HEW500BR	2.96E+00	5.78E+00	5.80E+00	5.67E+00	0.00E+00	0.00E+00	9.42E+00	1.45E+01	3.55E+01	5.70E+00	0.00E+00	1.92E+01	7.16E+00	1.70E+00	7.78E+00	1.95E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E+00	2.37E+00	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	2.96E+00	5.78E+00	5.80E+00	5.67E+00	0.00E+00	0.00E+00	9.42E+00	1.45E+01	3.55E+01	5.70E+00	0.00E+00	1.92E+01	7.16E+00	1.70E+00	7.78E+00	1.95E+01	0.00E+00	0.00E+00	1.03E+00	9.05E+01	1.41E+04	0.00E+00	2.58E+00	2.37E+00	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	9.93E+00	9.82E+00	9.41E+00	0.00E+00	0.00E+00	1.56E+01	2.37E+01	5.89E+03	9.45E+02	0.00E+00	1.18E+01	1.19E+00	2.82E+00	1.23E+01	2.57E+01	0.00E+00	0.00E+00	1.79E+02	1.50E+00	2.33E+03	0.00E+00	4.29E+00	3.92E+01	1.86E+02	3.50E+04	9.72E+01	0.00E+00	2.32E+02	3.16E+06	3.30E+02	2.95E+02	5.72E+01	0.00E+00	0.00E+00	0.00E+00	7.27E+01
HHA014Z	4.72E+02	9.99E+00	9.16E+02	8.96E+00	0.00E+00	0.00E+00	1.49E+01	2.25E+01	5.61E+03	9.02E+02	0.00E+00	1.30E+01	1.13E+00	2.69E+00	1.23E+01	2.45E+01	0.00E+00	0.00E+00	1.62E+02	1.43E+00	2.22E+03	0.00E+00	4.07E+00	3.73E+01	1.77E+02	3.33E+04	9.44E+01	0.00E+00	2.22E+02	3.04E+06	2.22E+02	2.77E+02	5.42E+01	0.00E+00	0.00E+00	0.00E+00	6.92E+01
HHA016Z	1.39E+01	2.68E+01	3.70E+01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E+01	1.65E+02	2.65E+01	0.00E+00	9.31E+01	3.33E+00	7.91E+00	3.02E+01	7.21E+01	0.00E+00	0.00E+00	4.77E+02	4.21E+00	6.25E+03	0.00E+00	1.20E+01	1.10E+00	5.22E+02	9.81E+04	1.60E+02	0.00E+00	6.54E+00	9.89E+04	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	3.70E+01	2.64E+01	0.00E+00	0.00E+00	4.38E+01	6.63E+01	1.65E+02	2.65E+01	0.00E+00	9.31E+01	3.33E+00	7.91E+00	3.02E+01	7.21E+01	0.00E+00	0.00E+00	4.77E+02	4.21E+00	6.25E+03	0.00E+00	1.20E+01	1.10E+00	5.22E+02	9.81E+04	1.60E+02	0.00E+00	6.54E+00	9.89E+04	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	1.75E+01	1.66E+01	0.00E+00	0.00E+00	2.90E+01	4.24E+01	1.06E+02	1.62E+01	0.00E+00	5.17E+01	2.13E+00	5.06E+00	2.32E+01	4.61E+01	0.00E+00	0.00E+00	3.55E+02	2.80E+00	4.16E+03	0.00E+00	7.67E+00	7.02E+01	3.34E+02	6.29E+04	1.05E+02	0.00E+00	4.16E+02	9.73E+06	4.16E+02	5.21E+02	1.05E+02	0.00E+00	0.00E+00	0.00E+00	1.30E+00
HHA018Z	7.09E+02	1.39E+01	1.37E+01	1.34E+01	0.00E+00	0.00E+00	2.22E+01	3.35E+01	8.41E+03	1.36E+01	0.00E+00	4.54E+01	1.70E+00	4.03E+00	1.83E+01	3.67E+01	0.00E+00	0.00E+00	2.43E+02	2.14E+00	3.33E+03	0.00E+00	6.11E+00	5.60E+01	2.86E+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	4.45E+01	4.35E+01	0.00E+00	0.00E+00	7.19E+01	1.05E+02	2.71E+02	4.30E+01	0.00E+00	1.44E+00	5.47E+00	1.30E+01	5.92E+01	1.18E+00	0.00E+00	0.00E+00	7.83E+02	6.90E+00	1.07E+03	0.00E+00	1.97E+01	1.81E+00	8.57E+02	1.61E+03	2.63E+02	0.00E+00	1.07E+03	1.47E+07	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	4.45E+01	4.35E+01	0.00E+00	0.00E+00	7.19E+01	1.05E+02	2.71E+02	4.30E+01	0.00E+00	1.44E+00	5.47E+00	1.30E+01	5.92E+01	1.18E+00	0.00E+00	0.00E+00	7.83E+02	6.90E+00	1.07E+03	0.00E+00	1.97E+01	1.81E+00	8.57E+02	1.61E+03	2.63E+02	0.00E+00	1.07E+03	1.47E+07	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	3.92E+01	5.78E+01	1.44E+02	2.31E+01	0.00E+00	7.77E+01	3.00E+00	6.92E+00	3.16E+01	6.26E+01	0.00E+00	0.00E+00	4.16E+02	3.67E+00	5.70E+02	0.00E+00	1.05E+01	9.59E+01	4.55E+02	8.55E+04	1.40E+02	0.00E+00	5.70E+02	7.81E+06	5.70E+02	7.10E+02	1.42E+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	3.59E+01	5.36E+01	1.34E+02	2.16E+01	0.00E+00	7.23E+01	2.75E+00	6.42E+00	2.94E+01	5.83E+01	0.00E+00	0.00E+00	3.87E+02	3.41E+00	5.30E+02	0.00E+00	9.73E+00	8.92E+01	4.23E+02	7.96E+04	1.30E+02	0.00E+00	5.30E+02	7.27E+06	5.30E+02	6.16E+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	6.83E+01	0.00E+00	2.33E+00	8.61E+00	2.05E+01	9.37E+01	1.88E+00	0.00E+00	0.00E+00	1.23E+01	1.06E+01	1.69E+03	0.00E+00	3.10E+01	2.84E+00	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	6.83E+01	0.00E+00	2.33E+00	8.61E+00	2.05E+01	9.37E+01	1.88E+00	0.00E+00	0.00E+00	1.23E+01	1.06E+01	1.69E+03	0.00E+00	3.10E+01	2.84E+00	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	6.83E+01	0.00E+00	2.33E+00	8.61E+00	2.05E+01	9.37E+01	1.88E+00	0.00E+00	0.00E+00	1.23E+01	1.06E+01	1.69E+03	0.00E+00	3.10E+01	2.84E+00	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	6.83E+01	0.00E+00	2.33E+00	8.61E+00	2.05E+01	9.37E+01	1.88E+00	0.00E+00	0.00E+00	1.23E+01	1.06E+01	1.69E+03	0.00E+00	3.10E+01	2.84E+00	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	6.83E+01	0.00E+00	2.33E+00	8.61E+00	2.05E+01	9.37E+01	1.88E+00	0.00E+00	0.00E+00	1.23E+01	1.06E+01	1.69E+03	0.00E+00	3.10E+01	2.84E+00	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+00	1.42E+01	1.43E+01	1.40E+01	0.00E+00	0.00E+00	2.23E+01	3.35E+01	8.79E+03	1.40E+01	0.00E+00	4.72E+01	1.77E+00	3.98E+00	1.82E+01	3.60E+01	0.00E+00	0.00E+00	2.53E+02	2.23E+00	3.47E+03	0.00E+00	6.30E+00	5.83E+01	2.77E+02	5.02E+04	8.08E+01	0.00E+00	3.47E+02	9.47E+06	3.47E+02	8.08E+01	2.77E+02	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	3.78E+01	9.34E+03	1.50E+01	0.00E+00	5.04E+01	1.89E+00	4.48E+00	2.02E+01	4.08E+01	0.00E+00	0.00E+00	2.70E+02	2.38E+00	3.70E+03	0.00E+00	6.79E+00	6.22E+01	2.95E+02	5.55E+04	9.08E+01	0.00E+00	3.70E+02	9.07E+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	4.26E+01	4.16E+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+00	1.25E+01	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+01	1.74E+00	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	4.26E+01	4.16E+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+00	1.25E+01	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+01	1.74E+00	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</				

HHB200Z	1.01E+01	1.34E+02	1.95E+04	1.91E+02	0.00E+00	0.00E+00	3.17E+02	4.81E+04	1.20E+01	1.52E+00	0.00E+00	6.44E+00	2.41E+00	9.73E+07	2.63E+00	5.22E+00	0.00E+00	0.00E+00	3.44E+01	3.05E+01	4.74E+03	0.00E+00	8.69E+07	7.97E+00	3.78E+01	7.11E+03	1.16E+03	0.00E+00	4.74E+03	6.49E+03	4.74E+03	5.90E+03	1.14E+03	0.00E+00	0.00E+00	0.00E+00	1.48E+01
HHB201L	9.11E+01	1.79E+02	3.27E+01	1.78E+02	0.00E+00	0.00E+00	3.95E+02	4.86E+04	1.11E+01	1.78E+00	0.00E+00	7.89E+00	2.24E+00	5.94E+07	2.95E+00	4.92E+00	0.00E+00	0.00E+00	3.20E+01	3.00E+01	4.49E+03	0.00E+00	8.62E+07	7.32E+00	3.49E+01	6.89E+03	1.19E+03	0.00E+00	4.40E+03	6.29E+03	4.49E+03	5.68E+03	1.19E+03	0.00E+00	0.00E+00	0.00E+00	1.39E+01
HHB201Z	1.01E+01	1.34E+02	1.95E+04	1.91E+02	0.00E+00	0.00E+00	3.17E+02	4.81E+04	1.20E+01	1.52E+00	0.00E+00	6.44E+00	2.41E+00	9.73E+07	2.63E+00	5.22E+00	0.00E+00	0.00E+00	3.44E+01	3.05E+01	4.74E+03	0.00E+00	8.69E+07	7.97E+00	3.78E+01	7.11E+03	1.16E+03	0.00E+00	4.74E+03	6.49E+03	4.74E+03	5.90E+03	1.14E+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+00	7.17E+07	3.28E+00	6.93E+00	0.00E+00	0.00E+00	4.32E+01	3.81E+01	5.92E+03	0.00E+00	1.09E+08	9.96E+00	4.73E+01	8.89E+03	1.45E+03	0.00E+00	5.92E+03	8.11E+03	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+00	7.17E+07	3.28E+00	6.93E+00	0.00E+00	0.00E+00	4.32E+01	3.81E+01	5.92E+03	0.00E+00	1.09E+08	9.96E+00	4.73E+01	8.89E+03	1.45E+03	0.00E+00	5.92E+03	8.11E+03	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+00	7.17E+07	3.28E+00	6.93E+00	0.00E+00	0.00E+00	4.32E+01	3.81E+01	5.92E+03	0.00E+00	1.09E+08	9.96E+00	4.73E+01	8.89E+03	1.45E+03	0.00E+00	5.92E+03	8.11E+03	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	2.23E+02	4.00E+01	2.23E+02	0.00E+00	0.00E+00	4.20E+02	8.95E+04	1.39E+01	2.23E+00	0.00E+00	9.74E+00	2.80E+00	8.69E+07	3.28E+00	6.15E+00	0.00E+00	0.00E+00	4.00E+01	3.78E+01	5.61E+03	0.00E+00	1.09E+08	9.17E+00	4.37E+01	8.61E+03	1.49E+03	0.00E+00	5.61E+03	7.86E+03	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+00	7.17E+07	3.28E+00	6.93E+00	0.00E+00	0.00E+00	4.32E+01	3.81E+01	5.92E+03	0.00E+00	1.09E+08	9.96E+00	4.73E+01	8.89E+03	1.45E+03	0.00E+00	5.92E+03	8.11E+03	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	3.81E+02	3.84E+00	3.55E+02	0.00E+00	0.00E+00	3.90E+02	8.94E+04	2.22E+01	3.57E+00	0.00E+00	1.20E+01	4.46E+00	1.07E+08	4.88E+00	9.13E+00	0.00E+00	0.00E+00	6.43E+01	5.67E+01	8.92E+03	0.00E+00	1.62E+08	1.48E+00	7.03E+01	1.32E+02	2.16E+03	0.00E+00	8.91E+03	1.21E+04	8.91E+03	1.10E+04	2.16E+03	0.00E+00	0.00E+00	0.00E+00	2.74E+01
HHJ251DR	1.87E+00	3.81E+02	3.84E+00	3.55E+02	0.00E+00	0.00E+00	3.90E+02	8.94E+04	2.22E+01	3.57E+00	0.00E+00	1.20E+01	4.46E+00	1.07E+08	4.88E+00	9.13E+00	0.00E+00	0.00E+00	6.43E+01	5.67E+01	8.92E+03	0.00E+00	1.62E+08	1.48E+00	7.03E+01	1.32E+02	2.16E+03	0.00E+00	8.91E+03	1.21E+04	8.91E+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	3.75E+02	0.00E+00	0.00E+00	6.20E+02	3.93E+04	2.34E+01	3.75E+00	0.00E+00	1.20E+01	4.71E+00	1.12E+08	5.13E+00	1.02E+01	0.00E+00	0.00E+00	6.75E+01	5.95E+01	9.25E+03	0.00E+00	1.70E+08	1.90E+00	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	2.89E+01
HHJ321DR	1.97E+00	3.79E+02	3.82E+00	3.75E+02	0.00E+00	0.00E+00	6.20E+02	3.93E+04	2.34E+01	3.75E+00	0.00E+00	1.20E+01	4.71E+00	1.12E+08	5.13E+00	1.02E+01	0.00E+00	0.00E+00	6.75E+01	5.95E+01	9.25E+03	0.00E+00	1.70E+08	1.90E+00	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	2.89E+01
HHJ401DR	3.94E+00	8.86E+02	8.91E+00	8.77E+02	0.00E+00	0.00E+00	6.93E+02	1.45E+05	4.31E+01	8.82E+00	0.00E+00	1.95E+01	7.29E+00	1.72E+08	7.93E+00	1.18E+01	0.00E+00	0.00E+00	1.04E+02	9.20E+01	1.43E+04	0.00E+00	2.63E+08	2.41E+00	1.14E+02	2.15E+02	3.51E+03	0.00E+00	1.43E+04	1.98E+04	1.43E+04	1.78E+04	3.51E+03	0.00E+00	0.00E+00	0.00E+00	4.46E+01
HHJ401DR	2.26E+00	4.29E+02	4.33E+00	4.26E+02	0.00E+00	0.00E+00	6.97E+02	1.45E+05	2.60E+01	4.17E+00	0.00E+00	1.17E+01	2.99E+00	1.54E+08	1.56E+00	1.18E+01	0.00E+00	0.00E+00	6.75E+01	6.40E+01	1.02E+04	0.00E+00	1.84E+08	1.74E+00	8.59E+01	1.58E+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	4.64E+00	7.71E+02	1.70E+01	7.54E+02	0.00E+00	0.00E+00	1.18E+03	1.85E+05	4.72E+01	7.57E+00	0.00E+00	2.13E+01	9.54E+00	2.28E+08	1.01E+04	2.04E+01	0.00E+00	0.00E+00	1.37E+02	1.16E+02	1.93E+04	0.00E+00	3.30E+08	3.18E+00	1.50E+02	2.74E+02	4.33E+03	0.00E+00	1.93E+04	2.50E+04	1.93E+04	2.28E+04	4.33E+03	0.00E+00	0.00E+00	0.00E+00	8.99E+01
HHM100ER	4.72E+00	9.99E+01	1.16E+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+00	2.69E+07	1.23E+04	2.46E+00	0.00E+00	0.00E+00	1.82E+01	1.43E+01	2.22E+03	0.00E+00	4.07E+07	3.73E+00	1.77E+01	3.33E+02	5.45E+02	0.00E+00	2.22E+03	3.04E+03	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHM101ER	4.72E+00	9.99E+01	1.16E+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+00	2.69E+07	1.23E+04	2.46E+00	0.00E+00	0.00E+00	1.82E+01	1.43E+01	2.22E+03	0.00E+00	4.07E+07	3.73E+00	1.77E+01	3.33E+02	5.45E+02	0.00E+00	2.22E+03	3.04E+03	2.22E+03	2.77E+03	5.45E+02	0.00E+00	0.00E+00	0.00E+00	6.92E+00
HHM103ER	4.72E+00	9.99E+01	1.16E+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+00	2.69E+07	1.23E+04	2.46E+00	0.00E+00	0.00E+00	1.82E+01	1.43E+01	2.22E+03	0.00E+00	4.07E+07	3.73E+00	1.77E+01	3.33E+02	5.45E+02	0.00E+00	2.22E+03	3.04E+03	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	1.36E+02	0.00E+00	0.00E+00	2.31E+02	3.45E+04	8.69E+02	1.39E+00	0.00E+00	4.89E+00	1.75E+00	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+00	2.75E+01	5.17E+03	8.44E+02	0.00E+00	3.44E+03	4.72E+03	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	1.36E+02	0.00E+00	0.00E+00	2.31E+02	3.45E+04	8.69E+02	1.39E+00	0.00E+00	4.89E+00	1.75E+00	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+00	2.75E+01	5.17E+03	8.44E+02	0.00E+00	3.44E+03	4.72E+03	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	1.36E+02	0.00E+00	0.00E+00	2.31E+02	3.45E+04	8.69E+02	1.39E+00	0.00E+00	4.89E+00	1.75E+00	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+00	2.75E+01	5.17E+03	8.44E+02	0.00E+00	3.44E+03	4.72E+03	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+00	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	5.30E+00	2.54E+01	4.76E+02	7.80E+02	0.00E+00	3.18E+03	4.36E+03	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+00	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	5.30E+00	2.54E+01	4.76E+02	7.80E+02	0.00E+00	3.18E+03	4.36E+03	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+00	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	5.30E+00	2.54E+01	4.76E+02	7.80E+02	0.00E+00	3.18E+03	4.36E+03	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	3.84E+04	9.69E+02	1.45E+00	0.00E+00	4.83E+00	1.83E+00	4.34E+07	1.93E+02	3.96E+00	0.00E+00	0.00E+00	2.62E+01	2.31E+01	3.59E+03	0.00E+00	6.99E+07	6.04E+00	2.97E+01	5.39E+02	8.80E+02	0.00E+00	3.59E+03	4.92E+03	3.59E+03	4.4					

HNA033Z	2.26E+01	4.34E+01	4.26E+01	4.16E+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+00	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+00	8.27E+02	1.56E+03	2.54E+02	0.00E+00	1.04E+03	1.42E+05	1.94E+03	1.29E+03	2.54E+02	0.00E+00	0.00E+00	0.00E+00	3.23E+00
HNA040H	2.89E+01	5.99E+01	5.60E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E+04	3.43E+02	5.02E+01	0.00E+00	1.89E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.30E+02	8.72E+00	1.39E+03	0.00E+00	2.49E+07	2.29E+00	1.09E+01	2.24E+03	3.33E+02	0.00E+00	1.39E+03	1.89E+05	1.39E+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	3.86E+01	0.00E+00	0.00E+00	6.45E+01	9.76E+03	2.43E+02	3.90E+01	0.00E+00	1.31E+00	4.90E+00	1.16E+07	5.33E+01	1.09E+00	0.00E+00	0.00E+00	7.02E+02	6.19E+00	9.62E+02	0.00E+00	1.77E+07	1.62E+00	7.89E+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	5.99E+01	5.60E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E+04	3.43E+02	5.02E+01	0.00E+00	1.89E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.30E+02	8.72E+00	1.39E+03	0.00E+00	2.49E+07	2.29E+00	1.09E+01	2.24E+03	3.33E+02	0.00E+00	1.39E+03	1.89E+05	1.39E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA040Z	2.89E+01	5.99E+01	5.60E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E+04	3.43E+02	5.02E+01	0.00E+00	1.89E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.30E+02	8.72E+00	1.39E+03	0.00E+00	2.49E+07	2.29E+00	1.09E+01	2.24E+03	3.33E+02	0.00E+00	1.39E+03	1.89E+05	1.39E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA041H	2.89E+01	5.99E+01	5.60E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E+04	3.43E+02	5.02E+01	0.00E+00	1.89E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.30E+02	8.72E+00	1.39E+03	0.00E+00	2.49E+07	2.29E+00	1.09E+01	2.24E+03	3.33E+02	0.00E+00	1.39E+03	1.89E+05	1.39E+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	3.86E+01	0.00E+00	0.00E+00	6.45E+01	9.76E+03	2.43E+02	3.90E+01	0.00E+00	1.31E+00	4.90E+00	1.16E+07	5.33E+01	1.09E+00	0.00E+00	0.00E+00	7.02E+02	6.19E+00	9.62E+02	0.00E+00	1.77E+07	1.62E+00	7.89E+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	5.99E+01	5.60E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E+04	3.43E+02	5.02E+01	0.00E+00	1.89E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.30E+02	8.72E+00	1.39E+03	0.00E+00	2.49E+07	2.29E+00	1.09E+01	2.24E+03	3.33E+02	0.00E+00	1.39E+03	1.89E+05	1.39E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA041Z	2.89E+01	5.99E+01	5.60E+01	5.47E+01	0.00E+00	0.00E+00	9.09E+01	1.38E+04	3.43E+02	5.02E+01	0.00E+00	1.89E+00	6.91E+00	1.64E+07	7.52E+01	1.50E+00	0.00E+00	0.00E+00	9.30E+02	8.72E+00	1.39E+03	0.00E+00	2.49E+07	2.29E+00	1.09E+01	2.24E+03	3.33E+02	0.00E+00	1.39E+03	1.89E+05	1.39E+03	1.69E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	4.23E+00
HNA050M	2.52E+01	4.89E+01	4.86E+01	4.76E+01	0.00E+00	0.00E+00	7.93E+01	1.20E+04	2.62E+02	4.89E+01	0.00E+00	1.61E+00	6.03E+00	1.43E+07	6.54E+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+00	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	4.23E+00
HNA050Z	4.54E+01	8.74E+01	8.61E+01	8.61E+01	0.00E+00	0.00E+00	1.14E+02	2.17E+04	5.39E+02	8.62E+01	0.00E+00	2.31E+00	1.09E+00	2.56E+07	1.19E+02	2.35E+00	0.00E+00	0.00E+00	1.56E+01	1.37E+01	2.12E+03	0.00E+00	3.52E+07	3.52E+00	1.70E+01	3.20E+03	5.23E+02	0.00E+00	2.12E+03	2.92E+05	2.12E+03	2.69E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HNA051M	2.52E+01	4.89E+01	4.86E+01	4.76E+01	0.00E+00	0.00E+00	7.93E+01	1.20E+04	2.62E+02	4.89E+01	0.00E+00	1.61E+00	6.03E+00	1.43E+07	6.54E+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+00	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	4.23E+00
HNA051Z	4.54E+01	8.74E+01	8.61E+01	8.61E+01	0.00E+00	0.00E+00	1.14E+02	2.17E+04	5.39E+02	8.62E+01	0.00E+00	2.31E+00	1.09E+00	2.56E+07	1.19E+02	2.35E+00	0.00E+00	0.00E+00	1.56E+01	1.37E+01	2.12E+03	0.00E+00	3.52E+07	3.52E+00	1.70E+01	3.20E+03	5.23E+02	0.00E+00	2.12E+03	2.92E+05	2.12E+03	2.69E+03	5.23E+02	0.00E+00	0.00E+00	0.00E+00	6.65E+00
HNA063H	7.87E+01	1.53E+02	1.53E+02	1.49E+02	0.00E+00	0.00E+00	2.48E+02	4.79E+04	1.34E+03	1.78E+02	0.00E+00	5.04E+00	1.89E+00	4.46E+07	2.38E+02	4.97E+00	0.00E+00	0.00E+00	2.76E+01	2.36E+01	3.71E+03	0.00E+00	6.79E+07	6.23E+00	2.99E+01	5.55E+03	9.08E+02	0.00E+00	3.76E+03	5.07E+05	3.76E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.19E+01
HNA063M	3.15E+01	6.09E+01	6.11E+01	5.97E+01	0.00E+00	0.00E+00	9.02E+01	1.50E+04	3.74E+02	6.02E+01	0.00E+00	2.02E+00	7.54E+00	1.79E+07	8.21E+01	1.63E+00	0.00E+00	0.00E+00	1.08E+01	9.52E+00	1.49E+03	0.00E+00	2.72E+07	2.49E+00	1.19E+01	2.22E+03	3.63E+02	0.00E+00	1.49E+03	2.03E+05	1.49E+03	1.94E+03	3.63E+02	0.00E+00	0.00E+00	0.00E+00	4.61E+00
HNA063U	7.87E+01	1.53E+02	1.53E+02	1.49E+02	0.00E+00	0.00E+00	2.48E+02	4.79E+04	1.34E+03	1.78E+02	0.00E+00	5.04E+00	1.89E+00	4.46E+07	2.38E+02	4.97E+00	0.00E+00	0.00E+00	2.76E+01	2.36E+01	3.71E+03	0.00E+00	6.79E+07	6.23E+00	2.99E+01	5.55E+03	9.08E+02	0.00E+00	3.76E+03	5.07E+05	3.76E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.19E+01
HNA063Z	5.59E+01	1.09E+02	1.09E+02	1.06E+02	0.00E+00	0.00E+00	1.78E+02	2.87E+04	6.63E+02	1.06E+02	0.00E+00	3.58E+00	1.34E+00	3.18E+07	2.04E+02	2.90E+00	0.00E+00	0.00E+00	1.92E+01	1.69E+01	2.73E+03	0.00E+00	4.82E+07	4.42E+00	2.10E+01	3.94E+03	6.44E+02	0.00E+00	2.63E+03	3.00E+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	1.53E+02	1.53E+02	1.49E+02	0.00E+00	0.00E+00	2.48E+02	4.79E+04	1.34E+03	1.78E+02	0.00E+00	5.04E+00	1.89E+00	4.46E+07	2.38E+02	4.97E+00	0.00E+00	0.00E+00	2.76E+01	2.36E+01	3.71E+03	0.00E+00	6.79E+07	6.23E+00	2.99E+01	5.55E+03	9.08E+02	0.00E+00	3.76E+03	5.07E+05	3.76E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.19E+01
HNA064M	3.15E+01	6.09E+01	6.11E+01	5.97E+01	0.00E+00	0.00E+00	9.02E+01	1.50E+04	3.74E+02	6.02E+01	0.00E+00	2.02E+00	7.54E+00	1.79E+07	8.21E+01	1.63E+00	0.00E+00	0.00E+00	1.08E+01	9.52E+00	1.49E+03	0.00E+00	2.72E+07	2.49E+00	1.19E+01	2.22E+03	3.63E+02	0.00E+00	1.49E+03	2.03E+05	1.49E+03	1.94E+03	3.63E+02	0.00E+00	0.00E+00	0.00E+00	4.61E+00
HNA064U	7.87E+01	1.53E+02	1.53E+02	1.49E+02	0.00E+00	0.00E+00	2.48E+02	4.79E+04	1.34E+03	1.78E+02	0.00E+00	5.04E+00	1.89E+00	4.46E+07	2.38E+02	4.97E+00	0.00E+00	0.00E+00	2.76E+01	2.36E+01	3.71E+03	0.00E+00	6.79E+07	6.23E+00	2.99E+01	5.55E+03	9.08E+02	0.00E+00	3.76E+03	5.07E+05	3.76E+03	4.61E+03	9.08E+02	0.00E+00	0.00E+00	0.00E+00	1.19E+01
HNA064Z	5.59E+01	1.09E+02	1.09E+02	1.06E+02	0.00E+00	0.00E+00	1.78E+02	2.87E+04	6.63E+02	1.06E+02	0.00E+00	3.58E+00	1.34E+00	3.18E+07	2.04E+02	2.90E+00	0.00E+00	0.00E+00	1.92E+01	1.69E+01	2.73E+03	0.00E+00	4.82E+07	4.42E+00	2.10E+01	3.94E+03	6.44E+02	0.00E+00	2.63E+03	3.00E+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+02	1.60E+02	0.00E+00	0.00E+00	2.89E+02	4.02E+04	1.00E+01	1.60E+02	0.00E+00	5.49E+00	2.02E+00	4.79E+07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E+01	2.55E+01	3.99E+03	0.00E+00	7.27E+07	6.69E+00	3.16E+01	5.94E+03	9.71E+02	0.00E+00	3.99E+03	5.43E+05	3.99E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNA080M	4.96E+01	9.53E+01	9.52E+01	9.40E+01	0.00E+00	0.00E+00	1.56E+02	2.37E+04	5.99E+02	9.43E+01	0.00E+00	3.19E+00	1.19E+00	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	4.29E+07	3.92E+00	1.99E+01	3.50E+03	7.29E+02	0.00E+00	2.33E+03	3.19E+05	2.33E+03	2.95E+03	7.29E+02	0.00E+00	0.00E+00	0.00E+00	7.29E+02
HNA080Z	8.43E+01	1.62E+02	1.63E+02	1.60E+02	0.00E+00	0.00E+00	2.89E+02	4.02E+04	1.00E+01	1.60E+02	0.00E+00	5.49E+00	2.02E+00	4.79E+07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E+01	2.55E+01	3.99E+03	0.00E+00	7.27E+07	6.69E+00	3.16E+01	5.94E+03	9.71E+02	0.00E+00	3.99E+03	5.43E+05	3.99E+03	4.93E+03	9.71E+02	0.00E+00	0.00E+00	0.00E+00	1.23E+01
HNA081H	8.43E+01	1.62E+02	1.63E+02	1.60E+02	0.00E+00	0.00E+00	2.89E+02	4.02E+04	1.00E+01	1.60E+02	0.00E+00	5.49E+00	2.02E+00	4.79E+07	2.19E+02	4.37E+00	0.00E+00	0.00E+00	2.89E+01	2.55E+01	3.99E+03	0.00E+00	7.27E+07	6.69E+00	3.16E+01	5.94E+03	9.71E+02	0.00E+00	3.99E+03	5.43E+05	3.99E+03	4.93E+03	9.71E+02	0.			

HDA017L	1.16E+02	1.39E+00	2.22E+01	1.06E+00	0.00E+00	0.00E+00	8.88E+00	1.66E+03	6.36E+03	1.06E+02	0.00E+00	2.46E+02	1.94E+00	7.32E+00	5.03E+02	2.54E+00	2.67E+00	0.00E+00	7.32E+00	3.96E+01	1.13E+01	0.00E+00	8.48E+00	4.56E+00	3.06E+03	8.26E+00	1.20E+00	0.00E+00	1.13E+01	-4.45E+02	1.13E+01	1.26E+01	1.27E+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+03	5.87E+03	9.24E+02	0.00E+00	2.22E+02	1.86E+00	6.96E+00	4.88E+02	2.29E+00	2.67E+00	0.00E+00	6.96E+00	3.03E+01	1.09E+01	0.00E+00	8.16E+00	4.20E+00	2.88E+03	7.42E+00	1.16E+00	0.00E+00	1.02E+01	-4.51E+02	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	7.26E+02	3.53E+01	0.00E+00	0.00E+00	2.97E+00	8.69E+04	1.70E+03	3.33E+03	0.00E+00	1.37E+02	6.44E+10	2.17E+00	1.96E+02	7.76E+01	2.68E+00	0.00E+00	2.37E+00	1.02E+01	3.97E+00	0.00E+00	2.82E+00	1.50E+00	9.71E+04	2.63E+00	3.97E+01	0.00E+00	3.97E+00	-1.68E+02	3.97E+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	8.94E+00	1.54E+03	6.65E+03	1.04E+02	0.00E+00	1.36E+02	1.38E+00	6.57E+00	3.96E+02	2.72E+00	2.81E+00	0.00E+00	6.11E+00	1.41E+01	9.91E+00	0.00E+00	8.66E+00	4.49E+00	3.11E+03	4.07E+00	1.03E+00	0.00E+00	9.91E+00	-3.73E+02	9.91E+00	1.11E+01	1.02E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HDA019Z	7.16E+03	9.68E+01	1.48E+03	4.01E+01	0.00E+00	0.00E+00	7.29E+00	1.15E+05	4.02E+03	9.94E+03	0.00E+00	1.02E+03	1.10E+09	3.86E+00	3.86E+02	2.86E+00	2.66E+00	0.00E+00	4.50E+00	2.94E+01	7.76E+00	0.00E+00	5.98E+00	3.74E+00	2.48E+03	7.76E+00	7.00E+01	0.00E+00	7.76E+00	-5.46E+02	7.76E+00	7.76E+00	7.76E+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+00	4.99E+00	3.98E+02	1.77E+00	2.67E+00	0.00E+00	5.32E+00	2.66E+01	8.56E+00	0.00E+00	6.49E+00	3.50E+00	2.35E+03	6.54E+00	9.05E+01	0.00E+00	8.56E+00	-4.69E+02	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	4.78E+03	8.16E+03	0.00E+00	-1.99E+02	1.55E+00	5.67E+00	3.92E+02	1.96E+00	2.67E+00	0.00E+00	5.83E+00	2.66E+01	8.56E+00	0.00E+00	6.63E+00	3.46E+00	2.40E+03	6.52E+00	9.78E+01	0.00E+00	8.56E+00	-5.49E+02	8.56E+00	9.55E+00	9.78E+01	0.00E+00	0.00E+00	0.00E+00	2.16E+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	5.66E+03	1.09E+02	0.00E+00	2.49E+02	1.99E+00	7.52E+00	5.07E+02	2.64E+00	2.67E+00	0.00E+00	7.56E+00	3.39E+01	1.17E+01	0.00E+00	8.74E+00	4.64E+00	3.18E+03	6.31E+00	1.24E+00	0.00E+00	1.17E+01	-4.99E+02	1.17E+01	1.30E+01	1.30E+00	0.00E+00	0.00E+00	0.00E+00	2.75E+02
HDA021Z	1.14E+02	1.33E+00	2.31E+01	1.11E+00	0.00E+00	0.00E+00	9.02E+00	1.70E+05	5.54E+03	1.06E+02	0.00E+00	2.32E+02	1.97E+00	7.41E+00	5.03E+02	2.62E+00	2.67E+00	0.00E+00	7.47E+00	3.34E+01	1.17E+01	0.00E+00	8.70E+00	4.73E+00	3.15E+03	6.32E+00	1.30E+00	0.00E+00	1.17E+01	-4.97E+02	1.17E+01	1.29E+01	1.29E+00	0.00E+00	0.00E+00	0.00E+00	2.82E+02
HDA023E	3.06E+03	4.29E+01	7.27E+02	3.50E+01	0.00E+00	0.00E+00	2.96E+00	8.76E+04	1.69E+03	3.33E+03	0.00E+00	1.37E+02	6.42E+10	2.16E+00	1.96E+02	7.76E+01	2.68E+00	0.00E+00	2.37E+00	1.02E+01	3.97E+00	0.00E+00	2.82E+00	1.50E+00	9.69E+04	2.63E+00	3.96E+01	0.00E+00	3.96E+00	-1.69E+02	3.96E+00	3.96E+00	3.96E+01	0.00E+00	0.00E+00	0.00E+00	8.76E+01
HDA023Z	1.07E+02	1.21E+00	1.46E+01	1.11E+00	0.00E+00	0.00E+00	8.94E+00	1.54E+05	6.64E+03	1.03E+02	0.00E+00	1.36E+02	1.38E+00	6.56E+00	3.97E+02	2.71E+00	2.81E+00	0.00E+00	6.11E+00	1.41E+01	9.91E+00	0.00E+00	8.67E+00	4.49E+00	3.11E+03	4.06E+00	1.03E+00	0.00E+00	9.91E+00	-3.73E+02	9.91E+00	1.11E+01	1.02E+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	1.15E+05	4.19E+03	1.01E+02	0.00E+00	1.95E+02	1.20E+00	4.83E+00	4.01E+02	1.98E+00	2.66E+00	0.00E+00	4.69E+00	2.84E+01	8.94E+00	0.00E+00	6.12E+00	3.86E+00	2.55E+03	7.02E+00	8.15E+01	0.00E+00	8.04E+00	-5.09E+02	8.04E+00	9.72E+00	6.15E+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	7.94E+00	1.30E+05	4.44E+03	8.30E+03	0.00E+00	-1.95E+02	1.47E+00	5.16E+00	4.02E+02	1.83E+00	2.67E+00	0.00E+00	5.59E+00	2.66E+01	8.78E+00	0.00E+00	6.67E+00	3.60E+00	2.46E+03	6.54E+00	9.27E+01	0.00E+00	8.78E+00	-4.72E+02	8.78E+00	9.59E+00	9.27E+01	0.00E+00	0.00E+00	0.00E+00	2.06E+02
HDA025U	7.74E+03	1.10E+00	1.95E+01	8.90E+01	0.00E+00	0.00E+00	8.10E+00	1.40E+05	4.68E+03	8.47E+03	0.00E+00	-2.02E+02	1.51E+00	5.40E+00	4.05E+02	1.92E+00	2.67E+00	0.00E+00	5.64E+00	2.66E+01	8.94E+00	0.00E+00	6.84E+00	3.61E+00	2.46E+03	6.55E+00	9.85E+01	0.00E+00	8.94E+00	-5.05E+02	8.94E+00	9.85E+00	9.85E+01	0.00E+00	0.00E+00	0.00E+00	2.13E+02
HDA025Z	8.43E+03	1.09E+00	1.95E+01	8.94E+01	0.00E+00	0.00E+00	8.10E+00	1.40E+05	4.68E+03	8.43E+03	0.00E+00	-1.99E+02	1.55E+00	5.17E+00	3.99E+02	2.00E+00	2.67E+00	0.00E+00	6.09E+00	2.66E+01	8.74E+00	0.00E+00	6.83E+00	3.62E+00	2.45E+03	6.53E+00	9.98E+01	0.00E+00	8.74E+00	-6.39E+02	8.74E+00	9.79E+00	9.98E+01	0.00E+00	0.00E+00	0.00E+00	2.22E+02
HDA026L	1.23E+02	1.48E+00	2.50E+01	1.25E+00	0.00E+00	0.00E+00	9.93E+00	1.86E+05	7.17E+03	1.19E+02	0.00E+00	2.50E+02	2.05E+00	8.34E+00	5.43E+02	2.94E+00	2.67E+00	0.00E+00	8.27E+00	3.41E+01	1.23E+01	0.00E+00	9.64E+00	4.88E+00	3.47E+03	6.39E+00	1.37E+00	0.00E+00	1.23E+01	-5.09E+02	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	9.20E+00	1.83E+05	6.74E+03	1.15E+02	0.00E+00	2.26E+02	2.01E+00	8.04E+00	5.27E+02	2.73E+00	2.67E+00	0.00E+00	7.79E+00	3.05E+01	1.19E+01	0.00E+00	9.38E+00	4.84E+00	3.29E+03	7.46E+00	1.33E+00	0.00E+00	1.19E+01	-5.26E+02	1.19E+01	1.31E+01	1.31E+00	0.00E+00	0.00E+00	0.00E+00	2.92E+02
HDA030E	1.29E+02	1.67E+00	3.71E+01	1.36E+00	0.00E+00	0.00E+00	1.12E+01	1.96E+05	7.38E+03	1.51E+02	0.00E+00	3.49E+02	2.24E+00	8.25E+00	6.19E+02	3.10E+00	2.86E+00	0.00E+00	8.02E+00	3.95E+01	1.33E+01	0.00E+00	1.02E+01	6.09E+00	4.01E+03	9.94E+00	1.43E+00	0.00E+00	1.33E+01	-4.99E+02	1.33E+01	1.50E+01	1.50E+00	0.00E+00	0.00E+00	0.00E+00	3.03E+02
HDA030Z	1.07E+02	1.22E+00	1.46E+01	1.11E+00	0.00E+00	0.00E+00	8.99E+00	1.54E+05	6.65E+03	1.04E+02	0.00E+00	1.36E+02	1.38E+00	6.57E+00	3.98E+02	2.72E+00	2.81E+00	0.00E+00	6.11E+00	1.41E+01	9.92E+00	0.00E+00	8.68E+00	4.49E+00	3.11E+03	4.07E+00	1.03E+00	0.00E+00	9.92E+00	-3.73E+02	9.92E+00	1.11E+01	1.02E+00	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HDA032L	7.96E+03	1.11E+00	1.83E+01	9.41E+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+00	5.40E+00	4.09E+02	1.94E+00	2.67E+00	0.00E+00	5.77E+00	2.66E+01	9.18E+00	0.00E+00	7.14E+00	3.69E+00	2.49E+03	6.52E+00	9.64E+01	0.00E+00	9.18E+00	-4.73E+02	9.18E+00	1.01E+01	9.64E+01	0.00E+00	0.00E+00	0.00E+00	2.16E+02
HDA033Z	7.85E+03	1.07E+00	1.83E+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+00	5.41E+00	3.96E+02	1.94E+00	2.67E+00	0.00E+00	5.87E+00	2.65E+01	8.53E+00	0.00E+00	6.67E+00	3.51E+00	2.36E+03	6.52E+00	9.59E+01	0.00E+00	8.53E+00	-4.64E+02	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	2.56E+01	1.16E+00	0.00E+00	0.00E+00	9.87E+00	1.80E+05	6.79E+03	1.17E+02	0.00E+00	2.54E+02	1.98E+00	8.19E+00	5.36E+02	2.72E+00	2.67E+00	0.00E+00	8.19E+00	3.41E+01	1.23E+01	0.00E+00	9.64E+00	4.95E+00	3.29E+03	6.39E+00	1.32E+00	0.00E+00	1.23E+01	-5.09E+02	1.23E+01	1.32E+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+00	7.52E+00	5.29E+02	2.96E+00	2.67E+00	0.00E+00	7.29E+00	3.03E+01	1.16E+01	0.00E+00	9.08E+00	4.67E+00	3.10E+03	7.42E+00	1.25E+00	0.00E+00	1.16E+01	-4.81E+02	1.16E+01	1.28E+01	1.28E+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	8.94E+00	1.54E+05	6.64E+03	1.03E+02	0.00E+00	1.36E+02	1.38E+00	6.56E+00	3.97E+02	2.71E+00	2.81E+00	0.00E+00	6.11E+00	1.41E+01	9.91E+00	0.00E+00	8.67E+00	4.49E+00	3.11E+03	4.06E+00	1.03E+00	0.00E+00	9.91E+00	-3.73E+02	9.91E+00	1.11E+01	1.02E+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	4.18E+03	8.23E+03	0.00E+00	2.00E+02	1.47E+00	4.94E+00	3.94E+02	1.73E+00	2.67E+00	0.00E+00	5.37E+00	2.69E+01	8.73E+00	0.00E+00	6.82E+00	3.53E+00	2.42E+03	6.52E+00	8.86E+01	0.00E+00	8.73E+00	-4.74E+02	8.73E+00	9.49E+00	8.86E+01	0.			

HEJ400DR	631E-02	718E-04	805E-01	6.10E-03	0.00E+00	0.00E-04	4.43E-01	8.19E-03	3.81E-02	5.76E-02	0.00E+00	-8.79E-02	8.16E-01	4.30E-07	2.53E-01	1.93E-01	7.50E-03	0.00E+00	3.5E+01	1.22E+00	5.5E+01	0.00E+00	4.4E-07	2.41E-01	1.69E-02	3.94E-03	6.20E-03	0.00E+00	5.5E+01	-1.92E-04	5.5E+01	6.23E-01	6.27E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-03
HEJ401DR	805E-02	837E-04	1.25E-04	7.14E-03	0.00E+00	0.00E-04	5.74E-01	1.10E-04	4.89E-02	6.92E-02	0.00E+00	-1.16E-01	1.02E-06	5.54E-07	3.29E-01	1.77E-01	7.86E-03	0.00E+00	4.6E+01	1.90E+00	7.93E-01	0.00E+00	5.91E-07	3.15E-01	2.10E-02	5.91E-03	8.11E-04	0.00E+00	7.93E-01	-1.94E-07	7.93E-01	8.39E-01	8.11E-04	0.00E+00	0.00E+00	0.00E+00	1.71E-03
HEJ500BR	624E-02	707E-04	9.95E-01	8.09E-03	0.00E+00	0.00E-04	4.37E-01	1.10E-03	3.75E-02	5.63E-02	0.00E+00	-8.77E-02	8.04E-01	4.28E-07	2.50E-01	1.34E-01	7.36E-03	0.00E+00	3.4E+01	1.28E+00	5.91E-01	0.00E+00	4.41E-07	2.34E-01	1.89E-02	3.14E-03	6.19E-04	0.00E+00	5.91E-01	-2.68E-04	5.91E-01	6.11E-01	6.19E-04	0.00E+00	0.00E+00	0.00E+00	1.28E-03
HES025BC	132E-02	1.38E+00	1.87E-01	1.44E+00	0.00E+00	0.00E-04	1.08E-01	1.94E-03	7.52E-03	1.31E-02	0.00E+00	2.14E-02	1.91E-01	8.25E-08	6.74E-02	3.78E+00	2.74E-03	0.00E+00	7.8E+00	7.09E-02	1.49E-01	0.00E+00	1.1E-07	6.00E-08	4.9E-03	5.32E-03	1.49E+00	0.00E+00	1.49E+00	2.0E-08	1.49E+00	1.59E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	3.0E-02
HES025BR	132E-02	1.38E+00	1.87E-01	1.44E+00	0.00E+00	0.00E-04	1.08E-01	1.94E-03	7.52E-03	1.31E-02	0.00E+00	2.14E-02	1.91E-01	8.25E-08	6.74E-02	3.78E+00	2.74E-03	0.00E+00	7.8E+00	7.09E-02	1.49E-01	0.00E+00	1.1E-07	6.00E-08	4.9E-03	5.32E-03	1.49E+00	0.00E+00	1.49E+00	2.0E-08	1.49E+00	1.59E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	3.0E-02
HES025DC	134E-02	1.83E+00	1.90E-01	1.47E+00	0.00E+00	0.00E-04	1.08E-01	1.94E-03	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-01	8.21E-08	6.74E-02	3.78E+00	2.74E-03	0.00E+00	8.0E+00	7.09E-02	1.49E-01	0.00E+00	1.1E-07	6.15E-08	4.19E-03	5.37E-03	1.52E+00	0.00E+00	1.49E+00	2.33E-08	1.49E+00	1.59E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.1E-02
HES025DR	159E-02	1.83E+00	2.44E-01	1.62E+00	0.00E+00	0.00E-04	1.11E-01	2.24E-03	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-01	9.93E-08	6.74E-02	3.77E+00	3.02E-03	0.00E+00	8.93E+00	2.94E-02	1.52E-01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.24E-03	1.65E+00	0.00E+00	1.52E+00	2.60E-08	1.52E+00	1.69E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES026BR	158E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E-04	1.24E-01	2.14E-03	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-01	1.04E-07	8.93E-02	3.9E+00	3.02E-03	0.00E+00	9.52E+00	8.04E-02	1.93E-01	0.00E+00	1.27E-07	6.72E-08	4.47E-03	5.36E-03	1.83E+00	0.00E+00	1.63E+00	2.24E-08	1.63E+00	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES026CR	216E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E-04	1.39E-01	2.96E-03	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-01	1.4E-07	8.71E-02	5.19E+00	3.02E-03	0.00E+00	1.24E+01	3.01E-01	1.99E-01	0.00E+00	1.64E-07	6.92E-08	6.14E-03	7.54E-03	2.24E+00	0.00E+00	1.99E+00	3.9E-07	1.99E+00	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-02
HES026DC	158E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E-04	1.24E-01	2.14E-03	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-01	1.04E-07	8.93E-02	3.9E+00	3.02E-03	0.00E+00	9.52E+00	8.11E-02	1.93E-01	0.00E+00	1.27E-07	6.73E-08	4.47E-03	5.37E-03	1.83E+00	0.00E+00	1.63E+00	2.33E-08	1.63E+00	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES026DR	216E-02	2.36E+00	2.47E-01	2.17E+00	0.00E+00	0.00E-04	1.39E-01	2.96E-03	1.28E-02	2.03E-02	0.00E+00	1.43E-02	2.80E-01	1.4E-07	8.71E-02	5.19E+00	3.02E-03	0.00E+00	1.24E+01	3.01E-01	1.99E-01	0.00E+00	1.64E-07	6.92E-08	6.14E-03	7.54E-03	2.24E+00	0.00E+00	1.99E+00	3.9E-07	1.99E+00	2.28E+01	2.24E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-02
HES040BC	134E-02	1.83E+00	1.90E-01	1.47E+00	0.00E+00	0.00E-04	1.08E-01	1.94E-03	7.67E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-01	8.22E-08	6.74E-02	3.78E+00	2.74E-03	0.00E+00	8.0E+00	6.90E-02	1.49E-01	0.00E+00	1.14E-07	6.15E-08	4.20E-03	5.37E-03	1.52E+00	0.00E+00	1.49E+00	2.24E-08	1.49E+00	1.59E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.1E-02
HES040BR	132E-02	1.83E+00	2.44E-01	1.62E+00	0.00E+00	0.00E-04	1.07E-01	2.24E-03	9.52E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-01	9.93E-08	6.74E-02	3.78E+00	3.02E-03	0.00E+00	8.84E+00	2.94E-02	1.52E-01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-03	1.65E+00	0.00E+00	1.52E+00	2.60E-08	1.52E+00	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES040DC	132E-02	1.38E+00	1.87E-01	1.44E+00	0.00E+00	0.00E-04	1.11E-01	1.94E-03	7.52E-03	1.31E-02	0.00E+00	2.14E-02	1.91E-01	8.25E-08	6.74E-02	3.78E+00	2.72E-03	0.00E+00	7.8E+00	6.79E-02	1.49E-01	0.00E+00	1.1E-07	6.00E-08	4.9E-03	5.32E-03	1.49E+00	0.00E+00	1.49E+00	2.0E-08	1.49E+00	1.59E+01	1.49E+00	0.00E+00	0.00E+00	0.00E+00	3.0E-02
HES040DR	139E-02	1.89E+00	2.44E-01	1.62E+00	0.00E+00	0.00E-04	1.11E-01	2.24E-03	9.53E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-01	9.94E-08	6.74E-02	3.78E+00	3.02E-03	0.00E+00	8.93E+00	2.94E-02	1.52E-01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.24E-03	1.65E+00	0.00E+00	1.52E+00	2.60E-08	1.52E+00	1.69E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES041BC	158E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E-04	1.24E-01	2.14E-03	8.70E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-01	1.04E-07	8.93E-02	3.9E+00	3.02E-03	0.00E+00	9.52E+00	7.79E-02	1.93E-01	0.00E+00	1.27E-07	6.72E-08	4.47E-03	5.36E-03	1.83E+00	0.00E+00	1.63E+00	2.24E-08	1.63E+00	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES041BR	193E-02	2.95E+00	2.47E-01	2.17E+00	0.00E+00	0.00E-04	1.39E-01	2.96E-03	1.13E-02	1.92E-02	0.00E+00	1.43E-02	2.82E-01	1.32E-07	8.70E-02	4.93E+00	3.04E-03	0.00E+00	1.13E+01	3.02E-01	1.99E-01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-03	2.09E+00	0.00E+00	1.79E+00	4.97E-07	1.79E+00	2.09E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-02
HES041DR	158E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E-04	1.24E-01	2.14E-03	8.70E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-01	1.04E-07	8.93E-02	3.9E+00	3.02E-03	0.00E+00	9.52E+00	7.96E-02	1.93E-01	0.00E+00	1.27E-07	6.72E-08	4.47E-03	5.37E-03	1.83E+00	0.00E+00	1.63E+00	2.24E-08	1.63E+00	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES050BC	134E-02	1.83E+00	1.90E-01	1.47E+00	0.00E+00	0.00E-04	1.08E-01	1.94E-03	7.66E-03	1.33E-02	0.00E+00	2.27E-02	1.95E-01	8.21E-08	6.74E-02	3.78E+00	2.74E-03	0.00E+00	8.0E+00	7.09E-02	1.49E-01	0.00E+00	1.14E-07	6.15E-08	4.19E-03	5.37E-03	1.52E+00	0.00E+00	1.49E+00	2.24E-08	1.49E+00	1.59E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.1E-02
HES050BR	132E-02	1.89E+00	2.44E-01	1.62E+00	0.00E+00	0.00E-04	1.11E-01	2.24E-03	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-01	9.93E-08	6.74E-02	3.78E+00	3.02E-03	0.00E+00	8.84E+00	2.94E-02	1.52E-01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-03	1.65E+00	0.00E+00	1.52E+00	2.60E-08	1.52E+00	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES051BC	136E-02	1.83E+00	1.87E-01	1.65E+00	0.00E+00	0.00E-04	1.24E-01	2.14E-03	8.68E-03	1.62E-02	0.00E+00	2.27E-02	2.28E-01	1.04E-07	8.93E-02	3.9E+00	3.02E-03	0.00E+00	9.52E+00	8.04E-02	1.93E-01	0.00E+00	1.27E-07	6.72E-08	4.47E-03	5.36E-03	1.83E+00	0.00E+00	1.63E+00	2.24E-08	1.63E+00	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES051BR	193E-02	2.95E+00	2.47E-01	2.17E+00	0.00E+00	0.00E-04	1.39E-01	2.96E-03	1.13E-02	1.92E-02	0.00E+00	1.43E-02	2.82E-01	1.32E-07	8.70E-02	4.93E+00	3.04E-03	0.00E+00	1.13E+01	3.02E-01	1.99E-01	0.00E+00	1.44E-07	7.67E-08	5.35E-03	7.54E-03	2.09E+00	0.00E+00	1.79E+00	4.97E-07	1.79E+00	2.09E+01	2.09E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-02
HES063BC	125E-02	1.50E+00	1.87E-01	1.34E+00	0.00E+00	0.00E-04	1.08E-01	1.82E-03	7.17E-03	1.26E-02	0.00E+00	2.15E-02	1.87E-01	7.78E-08	6.71E-02	3.9E+00	2.72E-03	0.00E+00	7.5E+00	7.09E-02	1.41E-01	0.00E+00	1.02E-07	5.58E-08	3.9E-03	4.26E-03	1.40E+00	0.00E+00	1.41E+00	2.0E-08	1.41E+00	1.48E+01	1.40E+00	0.00E+00	0.00E+00	0.00E+00	2.9E-02
HES063BR	156E-02	1.83E+00	2.44E-01	1.62E+00	0.00E+00	0.00E-04	1.11E-01	2.24E-03	9.51E-03	1.45E-02	0.00E+00	1.56E-02	1.99E-01	9.93E-08	6.74E-02	3.78E+00	3.02E-03	0.00E+00	8.84E+00	2.93E-02	1.52E-01	0.00E+00	1.23E-07	6.40E-08	4.49E-03	7.25E-03	1.65E+00	0.00E+00	1.52E+00	2.60E-08	1.52E+00	1.67E+01	1.65E+00	0.00E+00	0.00E+00	0.00E+00	3.4E-02
HES063DC	134E-02	1.83E+00	1.90E-01	1.47E+00	0.00E+00	0.00E-04	1.08E-01	1.94E-03	7.67E-03	1.33E-02	0.00E+00	2.19E-02	1.95E-01	8.22E-08	6.74E-02	3.78E+00	2.72E-03	0.00E+00	8.0E+00	6.94E-02	1.49E-01	0.00E+00	1.13E-07	6.15E-08	4.17E-03	5.32E-03	1.52E+00	0.00E+00	1.49E+00	2.33E-08	1.49E+00	1.59E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.1E-02
HES063DR	156E-02	1.83																																			

HET200BR	232E+02	282E+02	332E+02	274E+02	0.00E+00	0.00E+00	1.76E+01	3.42E+01	1.47E+02	2.58E+02	0.00E+00	3.44E+02	3.18E+02	1.75E+07	1.10E+01	6.42E+01	3.33E+01	0.00E+00	1.35E+01	4.48E+01	2.27E+01	0.00E+00	1.97E+07	9.90E+08	7.13E+03	1.01E+05	2.72E+02	0.00E+00	2.27E+01	-2.37E+07	2.37E+01	2.55E+01	2.72E+02	0.00E+00	0.00E+00	0.00E+00	5.55E+02
HET200DR	224E+02	230E+02	286E+01	2.43E+02	0.00E+00	0.00E+00	1.95E+01	2.97E+01	1.34E+02	2.20E+02	0.00E+00	-1.85E+02	2.80E+02	1.48E+07	9.90E+08	5.95E+02	3.22E+01	0.00E+00	1.24E+01	3.03E+01	2.10E+01	0.00E+00	1.79E+07	8.13E+08	6.17E+03	8.96E+04	2.38E+02	0.00E+00	2.10E+01	-1.88E+07	2.10E+01	2.30E+01	2.38E+02	0.00E+00	0.00E+00	0.00E+00	4.73E+02
HET201BR	260E+02	2.99E+02	3.27E+01	2.62E+02	0.00E+00	0.00E+00	1.91E+01	3.56E+01	1.53E+02	2.72E+02	0.00E+00	2.54E+02	3.48E+02	1.83E+07	1.12E+01	6.92E+01	3.34E+01	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+02	0.00E+00	2.40E+01	-1.07E+07	2.40E+01	2.89E+01	2.82E+02	0.00E+00	0.00E+00	0.00E+00	5.78E+02
HET201DR	262E+02	2.95E+02	3.27E+01	2.62E+02	0.00E+00	0.00E+00	1.91E+01	3.56E+01	1.53E+02	2.72E+02	0.00E+00	2.54E+02	3.48E+02	1.83E+07	1.12E+01	6.92E+01	3.34E+01	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+02	0.00E+00	2.40E+01	-1.13E+07	2.40E+01	2.89E+01	2.82E+02	0.00E+00	0.00E+00	0.00E+00	5.78E+02
HET202DR	247E+02	2.94E+02	3.26E+01	2.62E+02	0.00E+00	0.00E+00	1.90E+01	3.54E+01	1.49E+02	2.63E+02	0.00E+00	2.52E+02	3.45E+02	1.76E+07	1.10E+01	6.85E+01	3.29E+01	0.00E+00	1.44E+01	4.74E+01	2.41E+01	0.00E+00	1.98E+07	1.05E+07	6.99E+03	7.94E+04	2.74E+02	0.00E+00	2.41E+01	-1.27E+07	2.41E+01	2.87E+01	2.74E+02	0.00E+00	0.00E+00	0.00E+00	5.78E+02
HET250BR	234E+02	2.82E+02	3.24E+01	2.75E+02	0.00E+00	0.00E+00	1.77E+01	3.43E+01	1.47E+02	2.58E+02	0.00E+00	2.35E+02	3.19E+02	1.75E+07	1.11E+01	6.42E+01	3.42E+01	0.00E+00	1.39E+01	4.47E+01	2.29E+01	0.00E+00	1.99E+07	9.93E+08	7.15E+03	1.00E+05	2.72E+02	0.00E+00	2.28E+01	-7.76E+07	2.28E+01	2.55E+01	2.72E+02	0.00E+00	0.00E+00	0.00E+00	5.56E+02
HET250DR	224E+02	2.30E+02	2.86E+01	2.44E+02	0.00E+00	0.00E+00	1.95E+01	2.97E+01	1.34E+02	2.20E+02	0.00E+00	-1.85E+02	2.80E+02	1.48E+07	9.90E+08	5.95E+02	3.22E+01	0.00E+00	1.24E+01	3.03E+01	2.10E+01	0.00E+00	1.79E+07	8.13E+08	6.17E+03	8.96E+04	2.38E+02	0.00E+00	2.10E+01	-1.88E+07	2.10E+01	2.30E+01	2.38E+02	0.00E+00	0.00E+00	0.00E+00	4.73E+02
HET251BR	262E+02	2.95E+02	3.27E+01	2.62E+02	0.00E+00	0.00E+00	1.91E+01	3.57E+01	1.53E+02	2.72E+02	0.00E+00	2.48E+02	3.49E+02	1.83E+07	1.12E+01	6.91E+01	3.43E+01	0.00E+00	1.45E+01	4.77E+01	2.41E+01	0.00E+00	2.10E+07	1.06E+07	7.44E+03	1.07E+05	2.82E+02	0.00E+00	2.41E+01	-7.11E+07	2.41E+01	2.70E+01	2.82E+02	0.00E+00	0.00E+00	0.00E+00	5.81E+02
HET251DR	274E+02	3.36E+02	3.65E+01	3.42E+02	0.00E+00	0.00E+00	1.91E+01	3.73E+01	1.56E+02	2.79E+02	0.00E+00	3.14E+02	3.68E+02	1.92E+07	1.20E+01	6.27E+01	3.58E+01	0.00E+00	1.55E+01	4.78E+01	2.45E+01	0.00E+00	2.19E+07	1.19E+07	7.95E+03	7.84E+04	2.94E+02	0.00E+00	2.65E+01	-2.60E+06	2.65E+01	2.83E+01	2.94E+02	0.00E+00	0.00E+00	0.00E+00	5.98E+02
HET252DR	247E+02	2.94E+02	3.26E+01	2.62E+02	0.00E+00	0.00E+00	1.90E+01	3.54E+01	1.49E+02	2.64E+02	0.00E+00	2.52E+02	3.45E+02	1.76E+07	1.10E+01	6.85E+01	3.29E+01	0.00E+00	1.44E+01	4.74E+01	2.41E+01	0.00E+00	1.98E+07	1.05E+07	6.99E+03	7.94E+04	2.74E+02	0.00E+00	2.41E+01	-1.27E+07	2.41E+01	2.87E+01	2.74E+02	0.00E+00	0.00E+00	0.00E+00	5.78E+02
HEW250DR	631E+02	7.13E+02	9.76E+01	6.13E+02	0.00E+00	0.00E+00	4.45E+01	8.16E+01	3.93E+02	5.92E+02	0.00E+00	-8.79E+02	8.21E+02	4.31E+07	2.95E+01	1.39E+01	7.50E+01	0.00E+00	3.97E+01	1.24E+02	9.97E+01	0.00E+00	4.45E+07	2.41E+07	1.89E+02	3.13E+05	8.22E+02	0.00E+00	9.97E+01	-2.72E+08	9.97E+01	8.23E+01	8.22E+02	0.00E+00	0.00E+00	0.00E+00	1.39E+03
HEW251DR	804E+02	8.44E+02	1.24E+03	7.23E+02	0.00E+00	0.00E+00	5.71E+01	1.05E+02	4.90E+02	6.99E+02	0.00E+00	-1.18E+01	1.03E+03	5.54E+07	3.27E+01	1.78E+01	7.68E+01	0.00E+00	4.65E+01	1.59E+02	7.39E+01	0.00E+00	5.83E+07	3.11E+07	2.11E+02	3.94E+05	8.03E+02	0.00E+00	7.39E+01	-2.18E+06	7.39E+01	1.14E+01	8.03E+02	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HEW320BR	622E+02	7.03E+02	9.67E+01	6.07E+02	0.00E+00	0.00E+00	4.45E+01	8.06E+01	3.92E+02	5.82E+02	0.00E+00	-8.67E+02	8.21E+02	4.25E+07	2.95E+01	1.34E+01	7.50E+01	0.00E+00	3.95E+01	1.23E+02	9.97E+01	0.00E+00	4.45E+07	2.41E+07	1.87E+02	3.07E+05	6.19E+02	0.00E+00	9.97E+01	-2.89E+08	9.97E+01	8.23E+01	8.22E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HEW320DR	631E+02	7.13E+02	9.76E+01	6.13E+02	0.00E+00	0.00E+00	4.45E+01	8.16E+01	3.93E+02	5.92E+02	0.00E+00	-8.79E+02	8.21E+02	4.31E+07	2.95E+01	1.39E+01	7.50E+01	0.00E+00	3.97E+01	1.24E+02	9.97E+01	0.00E+00	4.45E+07	2.41E+07	1.89E+02	3.13E+05	8.22E+02	0.00E+00	9.97E+01	-2.72E+08	9.97E+01	8.23E+01	8.22E+02	0.00E+00	0.00E+00	0.00E+00	1.39E+03
HEW321BR	774E+02	8.45E+02	1.19E+03	7.26E+02	0.00E+00	0.00E+00	5.49E+01	1.02E+02	4.79E+02	6.77E+02	0.00E+00	-1.15E+01	1.03E+03	5.57E+07	3.12E+01	1.68E+01	7.55E+01	0.00E+00	4.40E+01	1.54E+02	9.97E+01	0.00E+00	5.50E+07	2.90E+07	2.05E+02	3.78E+05	7.79E+02	0.00E+00	9.97E+01	-2.90E+08	9.97E+01	7.57E+01	7.79E+02	0.00E+00	0.00E+00	0.00E+00	1.59E+03
HEW321DR	804E+02	8.50E+02	1.24E+03	7.24E+02	0.00E+00	0.00E+00	5.71E+01	1.05E+02	4.90E+02	7.06E+02	0.00E+00	-1.18E+01	1.03E+03	5.52E+07	3.27E+01	1.78E+01	7.68E+01	0.00E+00	4.64E+01	1.59E+02	7.37E+01	0.00E+00	5.82E+07	3.09E+07	2.11E+02	3.94E+05	8.02E+02	0.00E+00	7.37E+01	-2.23E+06	7.37E+01	1.10E+01	8.02E+02	0.00E+00	0.00E+00	0.00E+00	1.68E+03
HEW400DR	631E+02	7.13E+02	9.76E+01	6.12E+02	0.00E+00	0.00E+00	4.44E+01	8.20E+01	3.82E+02	5.79E+02	0.00E+00	-8.79E+02	8.17E+02	4.31E+07	2.94E+01	1.37E+01	7.50E+01	0.00E+00	3.96E+01	1.24E+02	9.97E+01	0.00E+00	4.45E+07	2.41E+07	1.89E+02	3.13E+05	8.22E+02	0.00E+00	9.97E+01	-2.91E+08	9.97E+01	8.23E+01	8.22E+02	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HEW401DR	804E+02	8.42E+02	1.22E+03	7.18E+02	0.00E+00	0.00E+00	5.37E+01	1.05E+02	4.89E+02	6.95E+02	0.00E+00	-1.12E+01	1.03E+03	5.54E+07	3.24E+01	1.77E+01	7.68E+01	0.00E+00	4.62E+01	1.59E+02	7.40E+01	0.00E+00	5.82E+07	3.13E+07	2.12E+02	3.95E+05	8.02E+02	0.00E+00	7.40E+01	-2.19E+06	7.40E+01	1.19E+01	8.02E+02	0.00E+00	0.00E+00	0.00E+00	1.75E+03
HEW500BR	624E+02	7.08E+02	9.65E+01	6.10E+02	0.00E+00	0.00E+00	4.37E+01	8.10E+01	3.78E+02	5.64E+02	0.00E+00	-8.75E+02	8.04E+02	4.25E+07	2.90E+01	1.34E+01	7.36E+01	0.00E+00	3.95E+01	1.28E+02	9.95E+01	0.00E+00	4.41E+07	2.34E+07	1.89E+02	3.14E+05	8.20E+02	0.00E+00	9.95E+01	-3.01E+06	9.95E+01	8.03E+01	8.20E+02	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HEW501BR	775E+02	8.45E+02	1.23E+03	7.24E+02	0.00E+00	0.00E+00	5.59E+01	1.03E+02	4.74E+02	6.75E+02	0.00E+00	-1.15E+01	1.03E+03	5.41E+07	3.12E+01	1.69E+01	7.55E+01	0.00E+00	4.41E+01	1.55E+02	9.94E+01	0.00E+00	5.50E+07	2.91E+07	2.07E+02	3.91E+05	7.79E+02	0.00E+00	9.94E+01	-2.91E+08	9.94E+01	7.62E+01	7.79E+02	0.00E+00	0.00E+00	0.00E+00	1.65E+03
HHA014E	3.09E+02	4.31E+01	7.29E+02	3.54E+01	0.00E+00	0.00E+00	2.99E+02	5.72E+02	1.70E+03	3.34E+03	0.00E+00	1.37E+02	4.46E+02	2.18E+06	1.79E+02	7.81E+01	2.88E+02	0.00E+00	2.38E+02	1.02E+03	3.98E+02	0.00E+00	2.83E+06	1.50E+06	9.73E+04	2.84E+06	3.95E+01	0.00E+00	3.98E+02	-1.68E+07	3.98E+02	3.95E+02	3.95E+01	0.00E+00	0.00E+00	0.00E+00	8.78E+01
HHA014Z	1.07E+02	1.22E+02	1.46E+01	1.11E+02	0.00E+00	0.00E+00	6.94E+02	1.54E+03	6.64E+03	1.04E+02	0.00E+00	1.35E+02	1.30E+03	6.58E+06	3.87E+02	2.71E+02	2.81E+02	0.00E+00	6.11E+02	1.41E+03	9.91E+02	0.00E+00	8.07E+06	4.49E+06	3.11E+03	4.07E+06	1.03E+02	0.00E+00	9.92E+02	-3.72E+07	9.92E+02	1.11E+01	1.03E+02	0.00E+00	0.00E+00	0.00E+00	2.38E+02
HHA016Z	8.95E+02	1.94E+02	1.75E+01	1.60E+02	0.00E+00	0.00E+00	6.98E+02	1.24E+03	4.80E+03	7.94E+03	0.00E+00	-1.95E+02	1.20E+03	3.88E+06	2.90E+02	1.70E+02	2.67E+02	0.00E+00	5.96E+02	1.28E+03	8.27E+02	0.00E+00	6.48E+06	3.48E+06	2.34E+03	6.23E+06	9.45E+01	0.00E+00	8.27E+02	-4.13E+07	8.27E+02	9.45E+01	9.45E+01	0.00E+00	0.00E+00	0.00E+00	2.07E+02
HHA017Z	1.11E+02	1.29E+02	2.16E+01	1.08E+02	0.00E+00	0.00E+00	6.90E+02	1.70E+03	6.36E+03	1.03E+02	0.00E+00	2.26E+02	1.95E+03	7.64E+06	5.19E+02	2.94E+02	2.67E+02	0.00E+00	7.17E+02	3.94E+03	1.13E+03	0.00E+00	8.82E+06	4.93E+06	3.94E+03	7.44E+06	1.25E+02	0.00E+00	1.13E+03	-4.89E+07	1.13E+03	1.25E+02	1.25E+02	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HHA018E	3.07E+02	4.30E+01	7.29E+02	3.53E+01	0.00E+00	0.00E+00	2.97E+02	5.69E+02	1.70E+03	3.33E+03	0.00E+00	1.37E+02	4.44E+02	2.17E+06	1.80E+02	7.79E+01	2.88E+02	0.00E+00	2.37E+02	1.02E+03	3.97E+02	0.00E+00	2.83E+06	1.50E+06	9.71E+04	2.83E+06	3.97E+01	0.00E+00	3.97E+02	-1.68E+07	3.97E+02	3.97E+02	3.97E+01	0.00E+00	0.00		

HHA161U	1.28E+02	1.80E+00	2.62E-01	1.35E+00	0.00E+00	0.00E+00	1.07E+01	1.91E+03	7.38E-03	1.48E+02	0.00E+00	2.25E-02	2.03E+00	8.09E-08	6.18E+02	2.94E+00	2.87E+05	0.00E+00	7.82E+01	3.54E-01	1.32E+01	0.00E+00	1.00E-07	5.81E+08	3.80E+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	1.80E+00	2.62E-01	1.35E+00	0.00E+00	0.00E+00	1.09E+01	1.95E+03	7.47E-03	1.47E+02	0.00E+00	-1.83E-02	2.04E+00	8.19E-08	6.18E+02	3.01E+00	2.89E+05	0.00E+00	7.97E+01	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	-1.11E-07	1.32E+01	1.54E+01	1.42E+00	0.00E+00	0.00E+00	0.00E+00	3.18E+02
HHA162H	1.28E+02	1.80E+00	2.64E-01	1.27E+00	0.00E+00	0.00E+00	9.78E+00	1.92E+03	7.48E-03	1.23E+02	0.00E+00	2.34E-02	2.05E+00	8.35E-08	5.99E+02	2.98E+00	2.64E+05	0.00E+00	8.37E+01	3.99E-01	1.29E+01	0.00E+00	9.89E-08	5.31E+08	3.99E+03	8.92E+06	1.40E+00	0.00E+00	1.28E+01	-4.50E-07	1.29E+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	2.86E-01	2.29E+00	0.00E+00	0.00E+00	1.17E+01	3.17E+03	1.94E-02	2.25E+02	0.00E+00	-1.91E-02	3.11E+00	1.75E-07	1.14E+01	5.90E+00	1.62E+06	0.00E+00	1.33E+01	2.58E-01	2.07E+01	0.00E+00	1.82E-07	1.05E-07	8.68E+03	5.91E+06	2.55E+00	0.00E+00	2.17E+01	1.82E+00	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	2.89E+00	2.95E-01	2.35E+00	0.00E+00	0.00E+00	1.60E+01	3.08E+03	1.93E-02	2.16E+02	0.00E+00	-1.88E-02	3.09E+00	1.74E-07	1.16E+01	5.82E+00	1.62E+06	0.00E+00	1.31E+01	2.44E-01	2.09E+01	0.00E+00	1.79E-07	9.91E+08	6.05E+03	5.87E+06	2.45E+00	0.00E+00	2.08E+01	1.80E+00	2.09E+01	2.43E+01	2.55E+00	0.00E+00	0.00E+00	0.00E+00	4.98E+02
HHB101Z	2.27E+02	2.42E+00	1.89E-01	2.21E+00	0.00E+00	0.00E+00	1.81E+01	2.91E+03	1.98E-02	2.14E+02	0.00E+00	-1.31E-02	2.88E+00	1.51E-07	1.25E+01	5.91E+00	1.05E+06	0.00E+00	1.30E+01	1.78E-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+00	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	2.78E+00	2.86E-01	2.28E+00	0.00E+00	0.00E+00	1.09E+01	3.16E+03	1.45E-02	2.24E+02	0.00E+00	-1.89E-02	3.11E+00	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	8.60E+03	5.82E+06	2.53E+00	0.00E+00	2.16E+01	1.82E+00	2.16E+01	2.43E+01	2.53E+00	0.00E+00	0.00E+00	0.00E+00	5.11E+02
HHB125Z	2.38E+02	2.89E+00	2.95E-01	2.32E+00	0.00E+00	0.00E+00	1.60E+01	3.08E+03	1.93E-02	2.16E+02	0.00E+00	-1.88E-02	3.09E+00	1.74E-07	1.16E+01	5.82E+00	1.62E+06	0.00E+00	1.31E+01	2.44E-01	2.09E+01	0.00E+00	1.72E-07	9.91E+08	6.05E+03	5.87E+06	2.45E+00	0.00E+00	2.08E+01	1.80E+00	2.08E+01	2.43E+01	2.55E+00	0.00E+00	0.00E+00	0.00E+00	4.98E+02
HHB126Z	2.80E+02	3.15E+00	3.42E-01	2.74E+00	0.00E+00	0.00E+00	2.02E+01	3.63E+03	1.68E-02	2.93E+02	0.00E+00	-1.32E-02	3.61E+00	1.94E-07	1.38E+01	6.70E+00	1.98E+06	0.00E+00	1.56E+01	2.89E-01	2.54E+01	0.00E+00	2.02E-07	1.16E-07	7.84E+03	5.17E+06	2.87E+00	0.00E+00	2.46E+01	2.02E+00	2.46E+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	2.86E-01	2.28E+00	0.00E+00	0.00E+00	1.10E+01	3.17E+03	1.45E-02	2.25E+02	0.00E+00	-1.91E-02	3.12E+00	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	8.64E+03	5.91E+06	2.55E+00	0.00E+00	2.17E+01	1.82E+00	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	2.75E+00	2.10E-01	2.32E+00	0.00E+00	0.00E+00	1.80E+01	3.07E+03	1.93E-02	2.10E+02	0.00E+00	-1.89E-02	2.89E+00	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	1.75E-07	9.93E+08	6.07E+03	5.87E+06	2.46E+00	0.00E+00	2.05E+01	1.80E+00	2.05E+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	3.41E-01	2.73E+00	0.00E+00	0.00E+00	2.02E+01	3.61E+03	1.65E-02	2.83E+02	0.00E+00	-1.31E-02	3.62E+00	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	5.17E+06	2.88E+00	0.00E+00	2.44E+01	2.04E+00	2.44E+01	2.85E+01	2.88E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HHB200L	1.97E+02	2.08E+00	1.65E-01	1.91E+00	0.00E+00	0.00E+00	1.88E+01	2.53E+03	1.20E-02	1.84E+02	0.00E+00	-1.11E-02	2.47E+00	1.32E-07	8.84E+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	3.44E+03	3.65E+06	1.99E+00	0.00E+00	1.85E+01	1.59E+00	1.85E+01	2.05E+01	1.98E+00	0.00E+00	0.00E+00	0.00E+00	4.64E+02
HHB200U	2.43E+02	2.73E+00	2.85E+00	2.30E+00	0.00E+00	0.00E+00	1.37E+01	3.14E+03	1.42E-02	2.21E+02	0.00E+00	-1.88E-02	3.10E+00	1.73E-07	1.13E+01	5.91E+00	1.62E+06	0.00E+00	1.31E+01	2.59E-01	2.17E+01	0.00E+00	1.82E-07	1.03E-07	8.61E+03	5.90E+06	2.55E+00	0.00E+00	2.15E+01	1.80E+00	2.15E+01	2.43E+01	2.55E+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	1.84E+01	3.10E+03	1.41E-02	2.20E+02	0.00E+00	-1.89E-02	3.09E+00	1.72E-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	8.72E+03	5.79E+06	2.48E+00	0.00E+00	2.12E+01	1.80E+00	2.12E+01	2.38E+01	2.48E+00	0.00E+00	0.00E+00	0.00E+00	5.02E+02
HHB201L	2.59E+02	2.83E+00	1.99E-01	2.45E+00	0.00E+00	0.00E+00	1.77E+01	3.20E+03	1.51E-02	2.31E+02	0.00E+00	-1.41E-02	3.17E+00	1.85E-07	1.34E+01	5.96E+00	1.83E+06	0.00E+00	1.41E+01	1.87E-01	2.33E+01	0.00E+00	1.83E-07	9.79E+08	6.02E+03	4.73E+06	2.53E+00	0.00E+00	2.38E+01	1.89E+00	2.38E+01	2.59E+01	2.58E+00	0.00E+00	0.00E+00	0.00E+00	5.19E+02
HHB201Z	2.77E+02	3.15E+00	3.41E-01	2.73E+00	0.00E+00	0.00E+00	2.02E+01	3.62E+03	1.65E-02	2.83E+02	0.00E+00	-1.31E-02	3.63E+00	1.92E-07	1.38E+01	6.70E+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	5.17E+06	2.88E+00	0.00E+00	2.44E+01	2.05E+00	2.44E+01	2.85E+01	2.88E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+02
HHB250L	1.97E+02	2.08E+00	1.65E-01	1.92E+00	0.00E+00	0.00E+00	1.80E+01	2.54E+03	1.20E-02	1.84E+02	0.00E+00	-1.11E-02	2.48E+00	1.32E-07	8.87E+02	4.79E+00	1.05E+06	0.00E+00	1.12E+01	1.45E-01	1.85E+01	0.00E+00	1.44E-07	7.77E+08	3.44E+03	3.65E+06	1.99E+00	0.00E+00	1.85E+01	1.59E+00	1.85E+01	2.05E+01	1.98E+00	0.00E+00	0.00E+00	0.00E+00	4.64E+02
HHB250U	2.46E+02	2.78E+00	2.86E-01	2.28E+00	0.00E+00	0.00E+00	1.10E+01	3.17E+03	1.45E-02	2.24E+02	0.00E+00	-1.90E-02	3.12E+00	1.75E-07	1.14E+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	8.62E+03	5.93E+06	2.54E+00	0.00E+00	2.17E+01	1.83E+00	2.17E+01	2.44E+01	2.54E+00	0.00E+00	0.00E+00	0.00E+00	5.14E+02
HHB250Z	2.41E+02	2.72E+00	2.11E-01	2.33E+00	0.00E+00	0.00E+00	1.85E+01	3.11E+03	1.42E-02	2.20E+02	0.00E+00	-1.89E-02	3.07E+00	1.70E-07	1.11E+01	5.83E+00	1.85E+06	0.00E+00	1.32E+01	2.54E-01	2.12E+01	0.00E+00	1.75E-07	1.02E-07	8.73E+03	5.80E+06	2.48E+00	0.00E+00	2.12E+01	1.80E+00	2.12E+01	2.38E+01	2.48E+00	0.00E+00	0.00E+00	0.00E+00	5.02E+02
HHB251L	2.59E+02	2.78E+00	2.86E-01	2.25E+00	0.00E+00	0.00E+00	1.83E+01	3.13E+03	1.57E-02	2.39E+02	0.00E+00	-1.46E-02	3.28E+00	1.75E-07	1.38E+01	6.20E+00	1.85E+06	0.00E+00	1.48E+01	1.93E-01	2.41E+01	0.00E+00	1.88E-07	1.01E-07	7.98E+03	4.88E+06	2.81E+00	0.00E+00	2.41E+01	1.95E+00	2.41E+01	2.88E+01	2.81E+00	0.00E+00	0.00E+00	0.00E+00	5.91E+02
HHB251Z	2.81E+02	3.17E+00	3.43E-01	2.75E+00	0.00E+00	0.00E+00	2.04E+01	3.64E+03	1.67E-02	2.85E+02	0.00E+00	-1.31E-02	3.64E+00	1.94E-07	1.38E+01	6.75E+00	1.88E+06	0.00E+00	1.57E+01	2.89E-01	2.55E+01	0.00E+00	2.07E-07	1.17E-07	7.88E+03	5.22E+06	2.90E+00	0.00E+00	2.56E+01	2.02E+00	2.56E+01	2.87E+01	2.92E+00	0.00E+00	0.00E+00	0.00E+00	5.95E+02
HJ250DR	6.32E+02	7.12E+00	8.73E-01	6.11E+00	0.00E+00	0.00E+00	4.44E+01	8.16E+03	3.83E-02	5.78E+02	0.00E+00	-8.82E-02	8.20E+00	4.30E-07	2.50E+01	1.35E+01	7.81E+06	0.00E+00	3.97E+01	1.23E+01	5.59E+01	0.00E+00	4.45E-07	2.41E-07	1.09E+02	3.09E+06	6.21E+00	0.00E+00	5.58E+01	-1.32E+00	5.58E+01	6.24E+01	6.21E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HJ251DR	8.06E+02	8.41E+00	1.23E+00	7.18E+00	0.00E+00	0.00E+00	5.74E+01	1.15E+04	4.90E-02	6.93E+02	0.00E+00	-1.18E-01	1.03E+00	5.54E-07	3.30E+01	1.77E+01	7.68E+06	0.00E+00	4.88E+01	1.60E+01	7.52E+01	0.00E+00	5.91E-07	3.14E-07	2.10E+02	3.92E+06	8.09E+00	0.00E+00	6.44E+01	7.72E+01	8.29E+01	8.09E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03	
HJ320DR	6.32E+02	7.12E+00	8.73E-01	6.11E+00	0.00E+00	0.00E+00	4.44E+01	8.16E+03	3.83E-02	5.78E+02	0.00E+00	-8.82E-02	8.20E+00	4.30E-07	2.50E+01	1.35E+01	7.81E+06	0.00E+00	3.97E+01	1.23E+01	5.59E+01	0.00E+00	4.45E-07	2.41E-07	1.09E+02	3.09E+06	6.21E+00	0.00E+00	5.58E+01	-1.32E+00	5.58E+01	6.24E+01	6.21E+00	0.00E+00	0.		

HHS101BC	1.58E+02	1.83E+02	1.87E+01	1.65E+02	0.00E+00	0.00E+00	1.24E+01	2.14E+03	8.88E-03	1.62E+02	0.00E+00	2.27E+02	2.28E+00	1.04E+07	8.92E+02	3.96E+00	3.02E+00	0.00E+00	9.52E+00	8.84E+02	1.63E+01	0.00E+00	1.27E+07	6.72E+08	4.67E+03	5.36E+08	1.83E+00	0.00E+00	1.83E+01	2.24E+06	1.83E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.46E+02
HHS101DC	1.58E+02	1.83E+02	1.87E+01	1.65E+02	0.00E+00	0.00E+00	1.24E+01	2.14E+03	8.88E-03	1.62E+02	0.00E+00	2.27E+02	2.28E+00	1.04E+07	8.92E+02	3.96E+00	3.02E+00	0.00E+00	9.52E+00	8.84E+02	1.63E+01	0.00E+00	1.27E+07	6.72E+08	4.67E+03	5.37E+08	1.83E+00	0.00E+00	1.83E+01	2.23E+06	1.83E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.45E+02
HHS101DR	2.12E+02	2.28E+02	2.47E+01	2.13E+02	0.00E+00	0.00E+00	1.38E+01	2.84E+03	1.25E+02	1.97E+02	0.00E+00	1.42E+02	2.87E+00	1.44E+07	8.30E+02	5.08E+00	3.02E+00	0.00E+00	1.20E+01	2.92E+02	1.97E+01	0.00E+00	1.61E+07	8.27E+08	6.00E+03	7.44E+08	2.19E+00	0.00E+00	1.97E+01	1.50E+06	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+02	1.87E+01	1.65E+02	0.00E+00	0.00E+00	1.24E+01	2.14E+03	8.88E-03	1.62E+02	0.00E+00	2.27E+02	2.28E+00	1.04E+07	8.92E+02	3.96E+00	3.02E+00	0.00E+00	9.52E+00	8.84E+02	1.63E+01	0.00E+00	1.27E+07	6.72E+08	4.67E+03	5.37E+08	1.83E+00	0.00E+00	1.83E+01	2.23E+06	1.83E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	3.45E+02
HHS123EC	3.64E+03	5.48E+01	8.97E+02	1.46E+01	0.00E+00	0.00E+00	3.24E+00	1.14E+05	2.00E+03	4.19E+03	0.00E+00	3.35E+03	1.80E+00	2.47E+08	8.92E+02	3.96E+00	3.02E+00	0.00E+00	2.88E+00	1.10E+04	1.43E+01	0.00E+00	3.45E+08	1.71E+08	1.18E+03	2.98E+06	4.02E+01	0.00E+00	4.47E+01	2.22E+06	1.43E+01	1.80E+01	1.83E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+02
HHS125BC	1.34E+02	1.63E+02	1.91E+01	1.47E+02	0.00E+00	0.00E+00	1.08E+01	1.94E+03	7.69E-03	1.33E+02	0.00E+00	2.27E+02	1.95E+00	8.22E+08	7.14E+02	3.22E+00	2.74E+00	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+08	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+02	1.91E+01	1.46E+02	0.00E+00	0.00E+00	1.08E+01	1.94E+03	7.70E-03	1.33E+02	0.00E+00	2.16E+02	1.95E+00	8.22E+08	7.14E+02	3.22E+00	2.72E+00	0.00E+00	8.00E+00	7.02E+02	1.49E+01	0.00E+00	1.13E+07	6.13E+08	4.17E+03	5.35E+08	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	1.85E+02	2.44E+01	1.57E+02	0.00E+00	0.00E+00	1.10E+01	2.17E+03	9.26E-03	1.43E+02	0.00E+00	1.45E+02	1.90E+00	9.65E+08	6.73E+02	3.66E+00	3.02E+00	0.00E+00	8.87E+00	2.84E+02	1.60E+01	0.00E+00	1.19E+07	6.22E+08	4.37E+03	5.17E+08	1.62E+00	0.00E+00	1.48E+01	1.81E+06	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+02	1.87E+01	1.65E+02	0.00E+00	0.00E+00	1.24E+01	2.14E+03	8.72E-03	1.62E+02	0.00E+00	2.27E+02	2.28E+00	1.04E+07	8.92E+02	3.96E+00	3.02E+00	0.00E+00	9.52E+00	7.80E+02	1.63E+01	0.00E+00	1.27E+07	6.73E+08	4.68E+03	5.37E+08	1.83E+00	0.00E+00	1.83E+01	2.24E+06	1.83E+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+02	1.87E+01	1.66E+02	0.00E+00	0.00E+00	1.24E+01	2.15E+03	8.73E-03	1.62E+02	0.00E+00	2.27E+02	2.28E+00	1.04E+07	8.92E+02	3.97E+00	3.02E+00	0.00E+00	9.52E+00	7.87E+02	1.63E+01	0.00E+00	1.27E+07	6.73E+08	4.68E+03	5.37E+08	1.83E+00	0.00E+00	1.83E+01	2.23E+06	1.83E+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+02	2.47E+01	2.13E+02	0.00E+00	0.00E+00	1.39E+01	2.85E+03	1.25E+02	1.98E+02	0.00E+00	1.42E+02	2.87E+00	1.44E+07	8.31E+02	5.07E+00	3.02E+00	0.00E+00	1.20E+01	2.92E+02	1.99E+01	0.00E+00	1.61E+07	8.27E+08	6.00E+03	7.44E+08	2.19E+00	0.00E+00	1.98E+01	1.54E+06	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+02	1.87E+01	1.66E+02	0.00E+00	0.00E+00	1.24E+01	2.15E+03	8.73E-03	1.62E+02	0.00E+00	2.27E+02	2.28E+00	1.04E+07	8.94E+02	3.97E+00	3.02E+00	0.00E+00	9.52E+00	7.87E+02	1.63E+01	0.00E+00	1.27E+07	6.73E+08	4.68E+03	5.37E+08	1.83E+00	0.00E+00	1.83E+01	2.23E+06	1.83E+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+02	1.91E+01	1.47E+02	0.00E+00	0.00E+00	1.08E+01	1.94E+03	7.71E-03	1.33E+02	0.00E+00	2.27E+02	1.96E+00	8.18E+08	7.14E+02	3.24E+00	2.74E+00	0.00E+00	8.02E+00	6.81E+02	1.49E+01	0.00E+00	1.14E+07	6.16E+08	4.20E+03	5.38E+08	1.53E+00	0.00E+00	1.49E+01	2.23E+06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HHS160DC	1.35E+02	1.63E+02	1.91E+01	1.47E+02	0.00E+00	0.00E+00	1.08E+01	1.94E+03	7.71E-03	1.33E+02	0.00E+00	2.27E+02	1.96E+00	8.18E+08	7.14E+02	3.24E+00	2.74E+00	0.00E+00	8.02E+00	6.81E+02	1.49E+01	0.00E+00	1.14E+07	6.16E+08	4.20E+03	5.38E+08	1.53E+00	0.00E+00	1.49E+01	2.23E+06	1.49E+01	1.58E+01	1.52E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+02
HHS160DR	1.52E+02	1.84E+02	2.38E+01	1.57E+02	0.00E+00	0.00E+00	1.10E+01	2.18E+03	9.29E-03	1.42E+02	0.00E+00	1.45E+02	1.90E+00	9.72E+08	6.73E+02	3.66E+00	3.02E+00	0.00E+00	8.88E+00	2.83E+02	1.49E+01	0.00E+00	1.20E+07	6.22E+08	4.37E+03	5.17E+08	1.62E+00	0.00E+00	1.48E+01	1.81E+06	1.48E+01	1.64E+01	1.62E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
HHS161BC	1.58E+02	1.84E+02	1.88E+01	1.66E+02	0.00E+00	0.00E+00	1.24E+01	2.15E+03	8.74E-03	1.62E+02	0.00E+00	2.27E+02	2.29E+00	1.04E+07	8.93E+02	3.98E+00	3.02E+00	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+08	1.83E+00	0.00E+00	1.84E+01	2.23E+06	1.84E+01	1.81E+01	1.84E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HHS161DC	1.58E+02	1.84E+02	1.88E+01	1.66E+02	0.00E+00	0.00E+00	1.24E+01	2.15E+03	8.74E-03	1.62E+02	0.00E+00	2.27E+02	2.29E+00	1.04E+07	8.93E+02	3.98E+00	3.02E+00	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+08	1.83E+00	0.00E+00	1.84E+01	2.22E+06	1.84E+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+02	2.35E+01	2.16E+02	0.00E+00	0.00E+00	1.39E+01	2.85E+03	1.25E+02	1.97E+02	0.00E+00	1.42E+02	2.89E+00	1.44E+07	8.32E+02	5.09E+00	3.02E+00	0.00E+00	1.20E+01	2.91E+02	1.99E+01	0.00E+00	1.62E+07	8.30E+08	6.01E+03	7.42E+08	2.20E+00	0.00E+00	1.98E+01	1.49E+06	1.98E+01	2.22E+01	2.20E+00	0.00E+00	0.00E+00	0.00E+00	4.39E+02
HHS162DC	1.58E+02	1.84E+02	1.88E+01	1.66E+02	0.00E+00	0.00E+00	1.24E+01	2.15E+03	8.74E-03	1.62E+02	0.00E+00	2.27E+02	2.29E+00	1.04E+07	8.93E+02	3.98E+00	3.02E+00	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+08	1.83E+00	0.00E+00	1.84E+01	2.23E+06	1.84E+01	1.81E+01	1.84E+00	0.00E+00	0.00E+00	0.00E+00	3.41E+02
HHT050DR	2.27E+02	2.49E+02	2.45E+01	2.27E+02	0.00E+00	0.00E+00	1.54E+01	2.86E+03	1.31E+02	2.10E+02	0.00E+00	1.33E+02	2.94E+00	1.50E+07	1.04E+01	5.02E+00	3.21E+00	0.00E+00	1.37E+01	2.99E+02	2.17E+01	0.00E+00	1.78E+07	9.13E+08	6.99E+03	8.66E+08	2.34E+00	0.00E+00	2.17E+01	2.55E+06	2.17E+01	2.38E+01	2.34E+00	0.00E+00	0.00E+00	0.00E+00	4.88E+02
HHT051DR	2.48E+02	2.79E+02	2.95E+01	2.55E+02	0.00E+00	0.00E+00	1.82E+01	3.33E+03	1.42E+02	2.48E+02	0.00E+00	1.27E+02	3.26E+00	1.61E+07	1.07E+01	5.84E+00	3.21E+00	0.00E+00	1.48E+01	2.99E+02	2.47E+01	0.00E+00	1.98E+07	1.01E+09	6.98E+03	8.58E+08	2.59E+00	0.00E+00	2.47E+01	2.63E+06	2.47E+01	2.66E+01	2.58E+00	0.00E+00	0.00E+00	0.00E+00	5.22E+02
HHT063DR	2.27E+02	2.49E+02	2.45E+01	2.27E+02	0.00E+00	0.00E+00	1.54E+01	2.86E+03	1.31E+02	2.10E+02	0.00E+00	1.33E+02	2.94E+00	1.50E+07	1.04E+01	5.02E+00	3.21E+00	0.00E+00	1.37E+01	2.99E+02	2.17E+01	0.00E+00	1.78E+07	9.13E+08	6.99E+03	8.66E+08	2.34E+00	0.00E+00	2.17E+01	2.55E+06	2.17E+01	2.38E+01	2.34E+00	0.00E+00	0.00E+00	0.00E+00	4.88E+02
HHT064DR	2.48E+02	2.79E+02	2.95E+01	2.55E+02	0.00E+00	0.00E+00	1.82E+01	3.33E+03	1.42E+02	2.48E+02	0.00E+00	1.27E+02	3.26E+00	1.61E+07	1.07E+01	5.84E+00	3.21E+00	0.00E+00	1.48E+01	2.99E+02	2.47E+01	0.00E+00	1.98E+07	1.01E+09	6.98E+03	8.58E+08	2.59E+00	0.00E+00	2.48E+01	2.64E+06	2.48E+01	2.65E+01	2.58E+00	0.00E+00	0.00E+00	0.00E+00	5.22E+02
HHT100BR	2.54E+02	2.98E+02	2.77E+01	2.55E+02	0.00E+00	0.00E+00	1.74E+01	3.33E+03	1.43E+02	2.40E+02	0.00E+00	1.14E+02	3.14E+00	1.78E+07	1.16E+01	5.98E+00	3.25E+00	0.00E+00	1.47E+01	3.30E+02	2.31E+01	0.00E+00	1.94E+07	1.05E+09	7.14E+03	7.70E+08	2.65E+00	0.00E+00	2.31E+01	2.55E+06	2.31E+01	2.52E+01	2.62E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+02
HHT100DR	2.30E+02	2.57E+02	2.40E+01	2.30E+02	0.00E+00	0.00E+00	1.56E+01	3.03E+03	1.34E+02	2.19E+02	0.00E+00	1.36E+02	2.99E+00	1.53E+07	1.04E+01	5.31E+00	3.21E+00	0.00E+00	1.32E+01	2.49E+02	2.18E+01	0.00E+00	1.73E+07	9.27E+08	6.37E+03	8.66E+08	2.36E+00	0.00E+00	2.18E+01	2.53E+06	2.18E+01	2.37E+01	2.36E+00	0.			

HNA020Z	8296.01	1876.40	1.8461	8.6281	0.00E+00	0.00E+00	7.15E+04	1.34E+03	4.77E-03	8.17E-03	0.00E+00	-1.96E-02	1.54E+00	9.66E-08	3.91E-02	1.96E+00	2.67E+05	0.00E+00	5.78E+00	2.66E-01	8.55E+00	0.00E+00	6.66E-08	3.56E-08	2.41E-03	8.33E-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	1805.02	120E+00	2.22E-01	1.06E+00	0.00E+00	0.00E+00	8.81E+04	1.57E+03	5.81E-03	1.03E-02	0.00E+00	-2.46E-02	1.80E+00	6.87E-08	5.40E-02	2.29E+00	2.69E+05	0.00E+00	6.77E+00	3.31E-01	1.10E+01	0.00E+00	8.22E-08	4.20E-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	0.32E-01	1.16E+00	0.00E+00	0.00E+00	9.13E+04	1.74E+03	6.51E-03	1.09E-02	0.00E+00	-3.21E-02	2.00E+00	7.77E-08	5.20E-02	2.81E+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	7.99E-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	837E+00	1.14E+00	1.96E-01	9.51E-01	0.00E+00	0.00E+00	7.29E+04	1.44E+03	4.92E-03	8.96E-03	0.00E+00	-1.95E-02	1.59E+00	9.88E-08	4.74E-02	2.07E+00	2.69E+05	0.00E+00	6.19E+00	2.69E-01	8.42E+00	0.00E+00	7.38E-08	3.83E-08	2.60E-03	8.54E-06	1.03E+00	0.00E+00	8.42E+00	-4.74E-07	8.42E+00	9.44E+00	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.27E+02
HNA025M	823E+00	1.03E+00	1.72E-01	8.75E-01	0.00E+00	0.00E+00	7.30E+04	1.47E+03	5.45E-03	8.16E-03	0.00E+00	-1.95E-02	1.45E+00	9.48E-08	4.58E-02	2.05E+00	2.69E+05	0.00E+00	5.48E+00	2.69E-01	8.40E+00	0.00E+00	7.04E-08	3.46E-08	2.42E-03	8.14E-06	1.03E+00	0.00E+00	8.66E+00	-4.74E-07	8.66E+00	9.44E+00	1.03E+00	0.00E+00	0.00E+00	0.00E+00	2.03E+02
HNA025U	847E+00	1.09E+00	1.95E-01	8.94E-01	0.00E+00	0.00E+00	7.21E+04	1.38E+03	4.91E-03	8.44E-03	0.00E+00	-1.97E-02	1.57E+00	9.89E-08	3.94E-02	2.01E+00	2.67E+05	0.00E+00	6.03E+00	2.69E-01	8.79E+00	0.00E+00	6.82E-08	3.64E-08	2.47E-03	8.54E-06	9.99E-01	0.00E+00	8.79E+00	-6.94E-07	8.79E+00	9.79E+00	9.99E-01	0.00E+00	0.00E+00	0.00E+00	2.29E+02
HNA025Z	843E+00	1.09E+00	1.95E-01	8.91E-01	0.00E+00	0.00E+00	7.21E+04	1.38E+03	4.89E-03	8.41E-03	0.00E+00	-1.96E-02	1.56E+00	9.82E-08	3.92E-02	2.00E+00	2.67E+05	0.00E+00	5.99E+00	2.69E-01	8.71E+00	0.00E+00	6.79E-08	3.64E-08	2.46E-03	8.53E-06	9.92E-01	0.00E+00	8.71E+00	-6.93E-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	9.02E+04	1.78E+03	6.78E-03	1.13E-02	0.00E+00	-2.50E-02	2.00E+00	7.70E-08	5.40E-02	2.70E+00	2.67E+05	0.00E+00	7.89E+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	-4.89E-07	1.20E+01	1.33E+01	1.27E+00	0.00E+00	0.00E+00	0.00E+00	2.84E+02
HNA026M	1.09E+02	1.36E+00	2.22E-01	1.06E+00	0.00E+00	0.00E+00	8.81E+04	1.57E+03	5.82E-03	1.03E-02	0.00E+00	-2.46E-02	1.80E+00	6.87E-08	5.40E-02	2.29E+00	2.69E+05	0.00E+00	6.77E+00	3.31E-01	1.10E+01	0.00E+00	8.22E-08	4.20E-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
HNA026U	1.29E+02	1.46E+00	0.31E-01	1.16E+00	0.00E+00	0.00E+00	9.11E+04	1.72E+03	6.15E-03	1.15E-02	0.00E+00	-3.14E-02	2.04E+00	8.16E-08	5.10E-02	2.80E+00	2.69E+05	0.00E+00	8.00E+00	3.63E-01	1.33E+01	0.00E+00	9.02E-08	4.69E-08	3.00E-03	8.13E-06	1.14E+00	0.00E+00	1.33E+01	-4.73E-07	1.33E+01	1.42E+01	1.14E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HNA026Z	1.29E+02	1.46E+00	0.31E-01	1.16E+00	0.00E+00	0.00E+00	9.11E+04	1.72E+03	6.15E-03	1.15E-02	0.00E+00	-3.14E-02	2.04E+00	8.16E-08	5.10E-02	2.80E+00	2.69E+05	0.00E+00	8.00E+00	3.63E-01	1.33E+01	0.00E+00	9.02E-08	4.69E-08	3.00E-03	8.13E-06	1.14E+00	0.00E+00	1.33E+01	-4.73E-07	1.33E+01	1.42E+01	1.14E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+02
HNA032M	1.04E+02	1.37E+00	2.05E-01	1.06E+00	0.00E+00	0.00E+00	8.81E+04	1.56E+03	5.95E-03	1.24E-02	0.00E+00	-1.62E-02	1.85E+00	6.48E-08	4.89E-02	2.06E+00	2.68E+05	0.00E+00	6.51E+00	2.95E-01	1.05E+01	0.00E+00	8.09E-08	4.92E-08	3.17E-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	1.09E+02	1.39E+00	2.05E-01	1.06E+00	0.00E+00	0.00E+00	8.81E+04	1.56E+03	5.95E-03	1.24E-02	0.00E+00	-1.62E-02	1.85E+00	6.48E-08	4.89E-02	2.06E+00	2.68E+05	0.00E+00	6.51E+00	2.95E-01	1.05E+01	0.00E+00	8.09E-08	4.92E-08	3.17E-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
HNA033Z	1.20E+02	1.50E+00	2.54E-01	1.22E+00	0.00E+00	0.00E+00	1.08E+05	1.81E+03	6.82E-03	1.40E-02	0.00E+00	-1.89E-02	1.93E+00	7.59E-08	5.87E-02	2.98E+00	2.67E+05	0.00E+00	7.50E+00	3.38E-01	1.27E+01	0.00E+00	9.46E-08	5.53E-08	3.95E-03	8.22E-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+00	1.11E+00	1.91E-01	9.29E-01	0.00E+00	0.00E+00	6.99E+04	1.34E+03	4.47E-03	8.71E-03	0.00E+00	-1.99E-02	1.52E+00	9.49E-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	3.97E-08	2.92E-03	8.53E-06	9.08E-01	0.00E+00	9.17E+00	-4.67E-07	9.17E+00	1.01E+01	9.08E-01	0.00E+00	0.00E+00	0.00E+00	2.16E+02
HNA040M	842E+00	1.05E+00	1.77E-01	8.99E-01	0.00E+00	0.00E+00	7.30E+04	1.35E+03	4.66E-03	8.34E-03	0.00E+00	-1.96E-02	1.46E+00	9.59E-08	4.12E-02	1.95E+00	2.69E+05	0.00E+00	5.81E+00	2.69E-01	9.02E+00	0.00E+00	6.91E-08	3.58E-08	2.48E-03	8.41E-06	9.62E-01	0.00E+00	9.02E+00	-1.54E-07	9.02E+00	9.99E-01	9.62E-01	0.00E+00	0.00E+00	0.00E+00	2.08E+02
HNA040U	1.06E+02	1.37E+00	2.25E-01	1.11E+00	0.00E+00	0.00E+00	9.35E+04	1.56E+03	6.00E-03	1.26E-02	0.00E+00	-1.92E-02	1.89E+00	6.92E-08	4.92E-02	2.06E+00	2.68E+05	0.00E+00	6.82E+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	-4.72E-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	2.25E-01	1.11E+00	0.00E+00	0.00E+00	9.45E+04	1.63E+03	6.11E-03	1.26E-02	0.00E+00	-1.92E-02	1.89E+00	6.92E-08	4.92E-02	2.06E+00	2.68E+05	0.00E+00	6.79E+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	-4.73E-07	1.07E+01	1.23E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HNA041H	1.94E+02	2.09E+00	2.91E-01	1.68E+00	0.00E+00	0.00E+00	1.23E+05	2.37E+03	8.73E-03	1.53E-02	0.00E+00	-1.12E-02	2.50E+00	1.15E-07	7.09E-02	3.79E+00	2.73E+05	0.00E+00	9.57E+00	4.29E-01	1.49E+01	0.00E+00	1.24E-07	7.40E-08	4.59E-03	8.49E-06	1.77E+00	0.00E+00	1.49E+01	-6.92E-07	1.49E+01	1.64E+01	1.77E+00	0.00E+00	0.00E+00	0.00E+00	3.87E+02
HNA041M	1.06E+02	1.29E+00	2.25E-01	1.10E+00	0.00E+00	0.00E+00	8.72E+04	1.61E+03	5.96E-03	1.09E-02	0.00E+00	-2.46E-02	1.85E+00	7.06E-08	5.44E-02	2.44E+00	2.69E+05	0.00E+00	6.82E+00	3.31E-01	1.13E+01	0.00E+00	8.48E-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	1.81E+00	2.66E-01	1.35E+00	0.00E+00	0.00E+00	1.11E+05	1.93E+03	7.31E-03	1.48E-02	0.00E+00	-2.17E-02	2.03E+00	8.17E-08	6.22E-02	3.10E+00	2.67E+05	0.00E+00	8.02E+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	-6.80E-07	1.34E+01	1.53E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.28E+02
HNA041Z	1.30E+02	1.83E+00	2.66E-01	1.35E+00	0.00E+00	0.00E+00	1.12E+05	1.93E+03	7.42E-03	1.48E-02	0.00E+00	-1.85E-02	2.03E+00	8.17E-08	6.22E-02	3.10E+00	2.67E+05	0.00E+00	8.02E+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	-6.80E-07	1.34E+01	1.53E+01	1.43E+00	0.00E+00	0.00E+00	0.00E+00	3.28E+02
HNA050M	8.46E+00	1.09E+00	1.80E-01	9.03E-01	0.00E+00	0.00E+00	7.40E+04	1.31E+03	4.70E-03	8.40E-03	0.00E+00	-1.96E-02	1.47E+00	9.61E-08	4.61E-02	1.97E+00	2.69E+05	0.00E+00	5.99E+00	2.99E-01	9.04E+00	0.00E+00	7.01E-08	3.58E-08	2.50E-03	8.41E-06	9.71E-01	0.00E+00	9.04E+00	-1.54E-07	9.04E+00	9.99E-01	9.71E-01	0.00E+00	0.00E+00	0.00E+00	2.11E+02
HNA050Z	1.06E+02	1.39E+00	2.25E-01	1.11E+00	0.00E+00	0.00E+00	9.48E+04	1.63E+03	6.11E-03	1.26E-02	0.00E+00	-1.92E-02	1.89E+00	6.92E-08	4.92E-02	2.06E+00	2.68E+05	0.00E+00	6.79E+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	-4.81E-07	1.07E+01	1.23E+01	1.13E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+02
HNA051Z	1.06E+02	1.39E+00	2.25E-01	1.11E+00	0.00E+00	0.00E+00	9.48E+04	1.63E+03	6.11E-03	1.26E-02	0.00E+00	-1.92E-02	1.89E+00	6.92E-08	4.92E-02	2.06E+00	2.68E+05	0.00E+00	6.79E+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	-4.81E-07	1.07E+01	1.23E+01	1.13E+00	0.00E+00	0.		

HNB162H	2.83E+02	3.18E+02	3.42E+01	2.78E+02	0.00E+00	0.00E+00	2.05E+01	3.88E+05	1.88E+02	2.65E+02	0.00E+00	3.12E+02	3.84E+00	1.98E+07	1.38E+01	6.77E+00	1.62E+08	0.00E+00	1.56E+01	2.90E+01	2.57E+01	0.00E+00	2.09E+07	1.18E+01	7.88E+03	8.22E+08	2.91E+01	0.00E+00	2.57E+01	2.08E+04	2.37E+01	2.87E+01	2.91E+01	0.00E+00	0.00E+00	0.00E+00	5.99E+02
HNB200H	1.98E+02	2.09E+02	1.54E+01	1.91E+02	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+00	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	5.39E+03	8.62E+08	1.98E+02	0.00E+00	1.82E+01	1.52E+09	1.83E+01	2.03E+01	1.98E+02	0.00E+00	0.00E+00	0.00E+00	4.03E+02
HNB200U	1.98E+02	2.09E+02	1.54E+01	1.91E+02	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+00	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	5.39E+03	8.62E+08	1.98E+02	0.00E+00	1.82E+01	1.52E+09	1.83E+01	2.03E+01	1.98E+02	0.00E+00	0.00E+00	0.00E+00	4.03E+02
HNB200Z	2.42E+02	2.72E+02	2.11E+01	2.35E+02	0.00E+00	0.00E+00	1.85E+01	3.11E+05	1.42E+02	2.20E+02	0.00E+00	-1.89E+02	3.07E+00	1.70E+07	1.28E+01	6.93E+00	1.87E+08	0.00E+00	1.32E+01	2.54E+01	2.13E+01	0.00E+00	1.79E+07	1.02E+07	6.73E+03	8.80E+08	2.49E+02	0.00E+00	2.13E+01	1.80E+09	2.13E+01	2.38E+01	2.49E+02	0.00E+00	0.00E+00	0.00E+00	5.02E+02
HNB201H	2.59E+02	2.72E+02	2.05E+01	2.55E+02	0.00E+00	0.00E+00	1.83E+01	3.05E+05	1.57E+02	2.38E+02	0.00E+00	-1.45E+02	3.27E+00	1.56E+07	1.38E+01	6.81E+00	1.85E+07	0.00E+00	1.46E+01	1.92E+01	2.47E+01	0.00E+00	1.80E+07	1.01E+07	7.04E+03	8.17E+08	2.61E+02	0.00E+00	2.41E+01	1.90E+09	2.61E+01	2.87E+01	2.61E+02	0.00E+00	0.00E+00	0.00E+00	5.30E+02
HNB201U	2.83E+02	3.18E+02	2.41E+01	2.78E+02	0.00E+00	0.00E+00	2.05E+01	3.88E+05	1.88E+02	2.65E+02	0.00E+00	3.12E+02	3.84E+00	1.98E+07	1.38E+01	6.77E+00	1.62E+08	0.00E+00	1.56E+01	2.90E+01	2.57E+01	0.00E+00	2.09E+07	1.18E+01	7.88E+03	8.22E+08	2.91E+02	0.00E+00	2.57E+01	2.08E+04	2.37E+01	2.87E+01	2.91E+02	0.00E+00	0.00E+00	0.00E+00	5.99E+02
HNB201Z	2.78E+02	3.18E+02	2.41E+01	2.78E+02	0.00E+00	0.00E+00	2.00E+01	3.80E+05	1.64E+02	2.62E+02	0.00E+00	-1.21E+02	3.95E+00	1.92E+07	1.37E+01	6.67E+00	1.88E+07	0.00E+00	1.59E+01	2.87E+01	2.53E+01	0.00E+00	2.05E+07	1.16E+01	7.82E+03	8.17E+08	2.86E+02	0.00E+00	2.50E+01	2.04E+09	2.53E+01	2.83E+01	2.86E+02	0.00E+00	0.00E+00	0.00E+00	5.89E+02
HNB202H	2.44E+02	2.57E+02	1.88E+01	2.39E+02	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+00	1.64E+07	1.27E+01	6.89E+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	6.87E+03	8.48E+08	2.45E+02	0.00E+00	2.30E+01	1.89E+09	2.30E+01	2.55E+01	2.45E+02	0.00E+00	0.00E+00	0.00E+00	5.07E+02
HNB250H	2.05E+02	2.15E+02	1.60E+01	1.96E+02	0.00E+00	0.00E+00	1.44E+01	2.81E+05	1.24E+02	1.98E+02	0.00E+00	-1.12E+02	2.58E+00	1.38E+07	1.07E+01	4.88E+00	8.05E+07	0.00E+00	1.15E+01	1.43E+01	1.93E+01	0.00E+00	1.42E+07	6.00E+08	5.57E+03	7.75E+08	2.06E+02	0.00E+00	1.90E+01	1.58E+09	1.90E+01	2.11E+01	2.06E+02	0.00E+00	0.00E+00	0.00E+00	4.18E+02
HNB250U	2.05E+02	2.15E+02	1.60E+01	1.96E+02	0.00E+00	0.00E+00	1.44E+01	2.81E+05	1.24E+02	1.98E+02	0.00E+00	-1.12E+02	2.58E+00	1.38E+07	1.07E+01	4.88E+00	8.05E+07	0.00E+00	1.15E+01	1.43E+01	1.93E+01	0.00E+00	1.42E+07	6.00E+08	5.57E+03	7.75E+08	2.06E+02	0.00E+00	1.90E+01	1.58E+09	1.90E+01	2.11E+01	2.06E+02	0.00E+00	0.00E+00	0.00E+00	4.18E+02
HNB250Z	2.41E+02	2.72E+02	2.11E+01	2.35E+02	0.00E+00	0.00E+00	1.85E+01	3.11E+05	1.42E+02	2.20E+02	0.00E+00	-1.89E+02	3.07E+00	1.70E+07	1.11E+01	6.93E+00	1.85E+08	0.00E+00	1.32E+01	2.54E+01	2.13E+01	0.00E+00	1.79E+07	1.02E+07	6.73E+03	8.80E+08	2.49E+02	0.00E+00	2.13E+01	1.80E+09	2.13E+01	2.38E+01	2.49E+02	0.00E+00	0.00E+00	0.00E+00	5.02E+02
HNB251H	2.58E+02	2.72E+02	2.05E+01	2.51E+02	0.00E+00	0.00E+00	1.83E+01	3.05E+05	1.57E+02	2.38E+02	0.00E+00	-1.45E+02	3.27E+00	1.75E+07	1.38E+01	6.18E+00	8.85E+07	0.00E+00	1.48E+01	1.92E+01	2.41E+01	0.00E+00	1.89E+07	1.01E+07	7.04E+03	8.47E+08	2.61E+02	0.00E+00	2.41E+01	1.99E+09	2.61E+01	2.87E+01	2.61E+02	0.00E+00	0.00E+00	0.00E+00	5.29E+02
HNB251U	2.84E+02	3.18E+02	2.42E+01	2.78E+02	0.00E+00	0.00E+00	2.05E+01	3.89E+05	1.89E+02	2.66E+02	0.00E+00	2.13E+02	3.89E+00	1.97E+07	1.36E+01	6.90E+00	1.62E+08	0.00E+00	1.57E+01	2.91E+01	2.58E+01	0.00E+00	2.10E+07	1.19E+01	7.91E+03	8.23E+08	2.93E+02	0.00E+00	2.58E+01	2.09E+09	2.58E+01	2.89E+01	2.93E+02	0.00E+00	0.00E+00	0.00E+00	6.06E+02
HNB251Z	2.38E+02	2.43E+02	1.88E+01	2.29E+02	0.00E+00	0.00E+00	1.38E+02	2.15E+05	-1.31E+02	1.86E+02	0.00E+00	-1.31E+02	1.94E+00	1.58E+07	1.25E+01	5.61E+00	1.05E+08	0.00E+00	1.29E+01	1.75E+01	2.14E+01	0.00E+00	1.46E+07	8.75E+08	6.29E+03	6.29E+08	2.27E+02	0.00E+00	2.14E+01	1.82E+09	2.14E+01	2.38E+01	2.27E+02	0.00E+00	0.00E+00	0.00E+00	4.68E+02
HNB252H	2.88E+02	2.71E+02	2.05E+01	2.31E+02	0.00E+00	0.00E+00	1.82E+01	3.29E+05	1.56E+02	2.38E+02	0.00E+00	-1.45E+02	3.28E+00	1.74E+07	1.28E+01	6.17E+00	8.85E+07	0.00E+00	1.48E+01	1.92E+01	2.40E+01	0.00E+00	1.88E+07	1.01E+07	7.02E+03	8.89E+08	2.60E+02	0.00E+00	2.40E+01	1.99E+09	2.40E+01	2.66E+01	2.60E+02	0.00E+00	0.00E+00	0.00E+00	5.28E+02
HJN250DR	6.31E+02	7.11E+02	8.69E+01	8.11E+02	0.00E+00	0.00E+00	4.44E+01	8.17E+05	3.82E+02	5.78E+02	0.00E+00	-4.79E+02	8.20E+00	4.30E+07	2.58E+01	1.39E+01	7.91E+08	0.00E+00	3.97E+01	1.20E+02	9.97E+01	0.00E+00	4.48E+07	2.41E+07	1.69E+04	3.08E+09	6.20E+02	0.00E+00	5.97E+01	-1.89E+06	9.57E+01	9.24E+01	6.29E+02	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HJN251DR	8.05E+02	8.44E+02	1.24E+02	7.20E+02	0.00E+00	0.00E+00	4.93E+01	1.03E+06	4.89E+02	6.96E+02	0.00E+00	-1.18E+01	1.03E+08	5.53E+07	3.21E+01	1.78E+01	7.88E+05	0.00E+00	4.87E+01	1.58E+02	9.40E+01	0.00E+00	5.86E+07	1.31E+07	1.02E+04	3.89E+09	8.08E+02	0.00E+00	7.48E+01	-6.44E+07	7.48E+01	9.28E+01	6.09E+02	0.00E+00	0.00E+00	0.00E+00	1.69E+03
HJN320BR	6.22E+02	7.02E+02	8.72E+01	6.07E+02	0.00E+00	0.00E+00	4.44E+01	8.09E+05	3.79E+02	5.52E+02	0.00E+00	-6.87E+02	8.07E+00	4.25E+07	2.51E+01	1.31E+01	7.00E+08	0.00E+00	3.91E+01	1.20E+02	9.97E+01	0.00E+00	4.42E+07	2.32E+07	1.67E+04	3.07E+09	6.18E+02	0.00E+00	5.90E+01	-2.89E+06	9.50E+01	6.07E+01	6.19E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HJN320DR	6.31E+02	7.11E+02	8.69E+01	8.11E+02	0.00E+00	0.00E+00	4.44E+01	8.17E+05	3.82E+02	5.78E+02	0.00E+00	-4.79E+02	8.20E+00	4.30E+07	2.58E+01	1.39E+01	7.91E+08	0.00E+00	3.97E+01	1.20E+02	9.97E+01	0.00E+00	4.48E+07	2.41E+07	1.69E+04	3.08E+09	6.20E+02	0.00E+00	5.97E+01	-1.89E+06	9.57E+01	9.24E+01	6.29E+02	0.00E+00	0.00E+00	0.00E+00	1.29E+03
HJN321DR	8.05E+02	8.44E+02	1.24E+02	7.18E+02	0.00E+00	0.00E+00	4.93E+01	1.03E+06	4.90E+02	6.92E+02	0.00E+00	-1.18E+01	1.02E+08	5.53E+07	3.20E+01	1.77E+01	7.88E+05	0.00E+00	4.88E+01	1.59E+02	9.40E+01	0.00E+00	5.90E+07	1.32E+07	1.02E+04	3.89E+09	8.07E+02	0.00E+00	7.48E+01	-6.95E+07	7.48E+01	9.29E+01	6.07E+02	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HJN400DR	6.16E+02	6.94E+02	8.25E+01	6.02E+02	0.00E+00	0.00E+00	4.31E+01	7.95E+05	3.73E+02	5.44E+02	0.00E+00	-4.92E+02	7.85E+00	4.18E+07	2.42E+01	1.32E+01	7.48E+08	0.00E+00	3.48E+01	1.18E+02	9.44E+01	0.00E+00	4.33E+07	2.31E+07	1.69E+04	3.21E+09	6.08E+02	0.00E+00	5.44E+01	-1.73E+06	8.44E+01	6.04E+01	6.02E+02	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HJN401DR	6.13E+02	6.94E+02	8.25E+01	6.02E+02	0.00E+00	0.00E+00	4.31E+01	7.95E+05	3.73E+02	5.44E+02	0.00E+00	-4.92E+02	7.85E+00	4.18E+07	2.42E+01	1.32E+01	7.48E+08	0.00E+00	3.48E+01	1.18E+02	9.44E+01	0.00E+00	4.33E+07	2.31E+07	1.69E+04	3.21E+09	6.08E+02	0.00E+00	5.44E+01	-1.73E+06	8.44E+01	6.04E+01	6.02E+02	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HJN401BR	6.24E+02	7.07E+02	8.95E+01	6.89E+02	0.00E+00	0.00E+00	4.50E+01	8.10E+05	3.75E+02	5.83E+02	0.00E+00	-4.87E+02	8.04E+00	4.27E+07	2.56E+01	1.34E+01	7.36E+08	0.00E+00	3.49E+01	1.28E+02	9.71E+01	0.00E+00	4.41E+07	2.34E+07	1.69E+04	3.12E+09	6.18E+02	0.00E+00	5.91E+01	-2.68E+06	9.14E+01	6.19E+01	6.49E+02	0.00E+00	0.00E+00	0.00E+00	1.28E+03
HJN630DE	6.18E+02	7.13E+02	1.01E+02	6.12E+02	0.00E+00	0.00E+00	4.93E+01	8.02E+05	3.78E+02	5.73E+02	0.00E+00	-8.94E+02	7.30E+00	4.23E+07	2.45E+01	1.34E+01	7.48E+08	0.00E+00	3.49E+01	1.31E+02	9.49E+01	0.00E+00	4.37E+07	2.34E+07	1.69E+04	3.22E+09	6.08E+02	0.00E+00	5.49E+01	-9.91E+06	9.49E+01	6.10E+01	6.09E+02	0.00E+00	0.00E+00	0.00E+00	1.27E+03
HJN631DE	8.23E+02	8.93E+02	1.33E+02	7.24E+02	0.00E+00	0.00E+00	5.85E+01	1.13E+06	4.99E+02	7.04E+02	0.00E+00	-1.33E+01	1.05E+08	5.65E+07	3.36E+01	1.81E+01	7.88E+05	0.00E+00	4.79E+01	1.78E+02	9.74E+01	0.00E+00	6.06E+07	3.20E+07	2.15E+04	4.32E+09	8.28E+02	0.00E+00	7.74E+01	-3.23E+07	7.74E+01	9.56E+01	6.29E				

HNJ631EE	8.06E-02	8.52E-02	1.29E-01	7.25E-02	0.00E+00	0.00E+00	5.75E-01	1.10E-04	4.90E-02	6.38E-02	0.00E+00	-1.18E-01	1.03E-08	5.88E-07	3.33E-01	1.77E-01	7.83E-08	0.00E+00	4.68E+01	1.87E+08	7.50E+01	0.00E+00	5.90E-07	3.18E-01	2.12E-02	4.00E-08	8.11E-10	0.00E+00	7.50E+01	-7.60E-07	7.50E+01	8.30E+01	8.11E-10	0.00E+00	0.00E+00	0.00E+00	1.71E+03
HNJ632DE	8.10E-02	8.55E-02	1.29E-01	7.25E-02	0.00E+00	0.00E+00	5.75E-01	1.11E-04	4.90E-02	6.37E-02	0.00E+00	-1.18E-01	1.03E-08	5.88E-07	3.33E-01	1.77E-01	7.84E-08	0.00E+00	4.69E+01	1.87E+08	7.50E+01	0.00E+00	5.90E-07	3.18E-01	2.12E-02	4.12E-08	8.12E+00	0.00E+00	7.50E+01	-1.73E-08	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-01	1.01E-00	8.17E-01	0.00E+00	0.00E+00	4.47E-01	8.24E-05	3.83E-02	5.82E-02	0.00E+00	-8.92E-02	8.18E-09	4.33E-07	2.54E-01	1.38E-01	7.50E-08	0.00E+00	3.57E+01	1.26E+08	5.57E-01	0.00E+00	4.47E-07	2.42E-01	1.71E-02	3.21E-08	6.23E-00	0.00E+00	5.57E+01	-2.98E-08	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-02	1.29E-01	7.25E-02	0.00E+00	0.00E+00	5.74E-01	1.10E-04	4.91E-02	7.00E-02	0.00E+00	-1.18E-01	1.03E-08	5.88E-07	3.33E-01	1.77E-01	7.84E-08	0.00E+00	4.67E+01	1.87E+08	7.47E-01	0.00E+00	5.91E-07	3.12E-01	2.13E-02	4.14E-08	8.07E+00	0.00E+00	7.47E+01	-3.30E-08	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-02	1.29E-01	7.25E-02	0.00E+00	0.00E+00	5.74E-01	1.10E-04	4.91E-02	6.99E-02	0.00E+00	-1.18E-01	1.03E-08	5.88E-07	3.33E-01	1.77E-01	7.84E-08	0.00E+00	4.67E+01	1.87E+08	7.47E-01	0.00E+00	5.91E-07	3.12E-01	2.12E-02	4.12E-08	8.07E+00	0.00E+00	7.47E+01	-3.30E-08	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HPW630DE	8.34E-02	7.19E-01	1.01E-00	8.17E-01	0.00E+00	0.00E+00	4.47E-01	8.24E-05	3.83E-02	5.82E-02	0.00E+00	-8.92E-02	8.18E-09	4.33E-07	2.54E-01	1.38E-01	7.50E-08	0.00E+00	3.57E+01	1.26E+08	5.57E-01	0.00E+00	4.47E-07	2.42E-01	1.71E-02	3.21E-08	6.23E-00	0.00E+00	5.57E+01	-2.98E-08	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-02	1.29E-01	7.25E-02	0.00E+00	0.00E+00	5.74E-01	1.10E-04	4.91E-02	7.00E-02	0.00E+00	-1.18E-01	1.03E-08	5.88E-07	3.33E-01	1.77E-01	7.84E-08	0.00E+00	4.67E+01	1.87E+08	7.47E-01	0.00E+00	5.91E-07	3.12E-01	2.13E-02	4.14E-08	8.07E+00	0.00E+00	7.47E+01	-3.30E-08	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-02	1.29E-01	7.25E-02	0.00E+00	0.00E+00	5.74E-01	1.10E-04	4.91E-02	6.99E-02	0.00E+00	-1.18E-01	1.03E-08	5.88E-07	3.33E-01	1.77E-01	7.84E-08	0.00E+00	4.67E+01	1.87E+08	7.47E-01	0.00E+00	5.91E-07	3.12E-01	2.12E-02	4.12E-08	8.07E+00	0.00E+00	7.47E+01	-3.30E-08	7.47E+01	8.19E+01	8.07E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+03
HDA100U	-1.25E-02	-2.90E-01	3.81E-03	-2.32E-01	0.00E+00	0.00E+00	3.37E-01	1.15E-04	3.10E-03	-1.25E-02	0.00E+00	0.00E+00	-4.62E-09	-1.51E-07	4.03E-04	2.72E-01	0.00E+00	0.00E+00	-4.32E-02	0.00E+00	-4.56E-02	0.00E+00	8.74E-09	6.27E-04	4.13E-03	0.00E+00	-4.81E-01	0.00E+00	-4.56E-02	0.00E+00	-4.56E-02	5.04E-01	-4.51E-01	0.00E+00	0.00E+00	0.00E+00	-1.52E-02
HDA014E	-8.25E-04	-2.91E-02	3.41E-03	-2.32E-01	0.00E+00	0.00E+00	3.39E-01	3.21E-03	8.03E-04	-1.16E-02	0.00E+00	0.00E+00	-6.25E-09	-6.41E-07	4.10E-04	2.80E-01	0.00E+00	0.00E+00	-2.81E-02	0.00E+00	-5.41E-01	0.00E+00	7.80E-09	-3.51E-08	3.31E-03	0.00E+00	-2.04E-01	0.00E+00	-5.41E-01	6.94E-05	-5.41E-01	3.01E-01	-2.48E-01	0.00E+00	0.00E+00	0.00E+00	-1.30E-02
HDA014Z	-7.09E-02	-1.05E-02	-1.24E-02	-0.19E-01	0.00E+00	0.00E+00	-1.59E-01	-8.47E-03	-1.16E-03	8.92E-02	0.00E+00	-2.53E-07	-1.70E-08	6.15E-07	3.11E-03	6.93E-04	0.00E+00	0.00E+00	1.35E+01	-0.94E-02	-1.43E-01	0.00E+00	6.77E-08	2.32E-01	-1.13E-02	-8.11E-08	2.86E-00	0.00E+00	-1.43E+01	-2.26E-04	-1.43E-01	-1.48E+01	2.98E-00	0.00E+00	0.00E+00	0.00E+00	6.82E-02
HDA015Z	-5.27E-02	-1.81E-04	-1.35E-02	-8.80E-01	0.00E+00	0.00E+00	-1.28E-01	-4.95E-03	-1.47E-03	-3.30E-02	0.00E+00	-3.53E-07	-1.71E-08	-6.78E-07	3.10E-03	-8.98E-04	0.00E+00	0.00E+00	-1.12E+01	-0.94E-02	-1.38E-01	0.00E+00	6.71E-08	-2.20E-01	-8.03E-02	-8.11E-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	5.38E-02
HDA016Z	-2.26E-02	1.26E-02	3.72E-04	-1.31E-02	0.00E+00	0.00E+00	3.81E-01	2.53E-03	1.70E-03	-1.26E-02	0.00E+00	0.00E+00	-6.44E-09	-2.68E-07	4.32E-04	3.45E-01	0.00E+00	0.00E+00	-4.10E+00	0.00E+00	-8.32E-02	0.00E+00	1.58E-07	7.32E-08	4.48E-03	0.00E+00	-6.79E-01	0.00E+00	8.32E-02	-7.34E-08	8.32E-02	-1.79E-01	6.74E-01	0.00E+00	0.00E+00	0.00E+00	-1.98E-02
HDA016Z	-2.75E-02	-1.61E-01	-1.25E-03	0.00E+00	0.00E+00	0.00E+00	3.81E-01	2.53E-03	1.70E-03	-1.26E-02	0.00E+00	0.00E+00	-6.44E-09	-2.68E-07	4.32E-04	3.45E-01	0.00E+00	0.00E+00	-4.23E+00	0.00E+00	-1.17E-01	0.00E+00	4.47E-09	-5.05E-08	-5.39E-03	0.00E+00	-5.05E-01	0.00E+00	-1.17E-01	-7.36E-05	-5.05E-01	4.58E-01	-5.05E-01	0.00E+00	0.00E+00	0.00E+00	-1.97E-02
HDA017L	4.87E-02	1.84E-01	7.41E-03	1.88E-01	0.00E+00	0.00E+00	7.42E-01	-3.53E-03	9.29E-05	2.37E-02	0.00E+00	0.00E+00	-7.38E-09	6.72E-07	2.01E-02	6.04E-01	0.00E+00	0.00E+00	8.29E-02	0.00E+00	2.91E-01	0.00E+00	3.38E-08	6.44E-08	8.26E-03	0.00E+00	-1.19E-00	0.00E+00	2.91E+01	-1.97E-04	2.91E+01	3.33E-01	-1.19E-00	0.00E+00	0.00E+00	0.00E+00	3.91E-02
HDA017Z	-3.29E-02	4.24E-02	8.98E-03	4.74E-02	0.00E+00	0.00E+00	5.17E-01	3.99E-03	1.61E-03	-1.83E-02	0.00E+00	0.00E+00	-4.69E-09	-4.23E-07	1.83E-02	-4.42E-01	0.00E+00	0.00E+00	6.74E-02	0.00E+00	7.98E-01	0.00E+00	2.08E-08	-7.79E-08	4.22E-03	0.00E+00	-8.04E-01	0.00E+00	7.98E+01	-1.18E-04	7.98E-01	2.54E-01	-8.04E-01	0.00E+00	0.00E+00	0.00E+00	2.84E-02
HDA018E	-4.81E-02	-1.87E-01	-7.71E-03	-1.84E-01	0.00E+00	0.00E+00	-8.19E-01	-4.23E-03	-1.24E-04	-1.89E-02	0.00E+00	0.00E+00	-4.47E-09	-8.86E-07	3.17E-03	2.81E-01	0.00E+00	0.00E+00	-7.34E+00	0.00E+00	-2.14E-01	0.00E+00	5.97E-09	6.21E-08	6.96E-03	0.00E+00	-6.51E-01	0.00E+00	-2.14E+01	-1.37E-04	-2.14E+01	-2.42E-01	6.51E-01	0.00E+00	0.00E+00	0.00E+00	2.99E-02
HDA018E	-7.08E-02	-1.05E-02	-1.24E-02	-0.19E-01	0.00E+00	0.00E+00	-1.59E-01	-8.47E-03	-1.16E-03	8.93E-02	0.00E+00	-2.53E-07	-1.70E-08	6.15E-07	3.11E-03	6.93E-04	0.00E+00	0.00E+00	1.32E+01	-0.94E-02	-1.43E-01	0.00E+00	6.77E-08	2.32E-01	-1.13E-02	-8.11E-08	2.86E-00	0.00E+00	-1.43E+01	-2.26E-04	-1.43E-01	-1.48E+01	2.98E-00	0.00E+00	0.00E+00	0.00E+00	6.82E-02
HDA019Z	-5.27E-02	-1.81E-04	-1.35E-02	-8.80E-01	0.00E+00	0.00E+00	-1.28E-01	-4.95E-03	-1.46E-03	-3.30E-02	0.00E+00	-3.53E-07	-1.71E-08	-6.78E-07	3.10E-03	-8.98E-04	0.00E+00	0.00E+00	-1.12E+01	-0.94E-02	-1.38E-01	0.00E+00	6.76E-08	-2.20E-01	-8.03E-02	-8.11E-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	5.38E-02
HDA020L	-2.95E-02	-1.89E-02	-5.01E-04	-4.51E-02	0.00E+00	0.00E+00	6.04E-01	-2.86E-03	1.48E-03	-1.31E-02	0.00E+00	0.00E+00	-8.71E-09	-2.95E-07	2.99E-03	3.09E-01	0.00E+00	0.00E+00	-4.72E+00	0.00E+00	-1.74E-02	0.00E+00	1.43E-08	-7.97E-08	4.99E-03	0.00E+00	-7.15E-01	0.00E+00	1.74E+02	-9.97E-05	1.74E+02	3.21E-01	-7.15E-01	0.00E+00	0.00E+00	0.00E+00	2.39E-02
HDA020Z	-2.74E-02	-1.31E-01	-1.43E-03	-1.38E-01	0.00E+00	0.00E+00	-4.83E-01	8.26E-03	3.07E-04	-1.31E-02	0.00E+00	0.00E+00	-8.85E-09	-3.12E-07	2.49E-03	-3.22E-01	0.00E+00	0.00E+00	-4.23E+00	0.00E+00	-1.62E-01	0.00E+00	2.00E-09	-5.22E-08	-3.77E-03	0.00E+00	-5.70E-01	0.00E+00	-1.62E+01	-7.48E-05	-1.62E+01	-2.05E-01	-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	1.88E-01	0.00E+00	0.00E+00	7.42E-01	-3.54E-03	1.71E-04	-2.37E-02	0.00E+00	0.00E+00	-6.13E-09	-6.77E-07	1.97E-02	6.16E-01	0.00E+00	0.00E+00	8.34E+00	0.00E+00	2.92E+00	0.00E+00	3.38E-08	6.83E-08	8.41E-03	0.00E+00	-1.26E+00	0.00E+00	2.92E+01	-1.59E-04	2.92E+01	3.33E-01	-1.26E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-02
HDA021Z	-3.18E-02	6.92E-02	1.15E-02	3.45E-02	0.00E+00	0.00E+00	3.18E-01	2.88E-03	1.10E-03	-1.81E-02	0.00E+00	0.00E+00	-4.18E-07	-1.70E-06	1.36E-02	-5.14E-01	0.00E+00	0.00E+00	6.00E+00	0.00E+00	1.05E-01	0.00E+00	2.00E-08	-7.33E-08	6.03E-03	0.00E+00	-4.54E-01	0.00E+00	1.05E+01	-1.68E-04	1.05E+01	4.34E-01	-4.54E-01	0.00E+00	0.00E+00	0.00E+00	2.49E-02
HDA023E	-4.81E-02	-1.87E-01	-7.71E-03	-1.84E-01	0.00E+00	0.00E+00	-8.19E-01	-4.23E-03	-1.24E-04	-1.89E-02	0.00E+00	0.00E+00	-4.47E-09	-8.86E-07	3.17E-03	2.81E-01	0.00E+00	0.00E+00	-7.34E+00	0.00E+00	-2.14E-01	0.00E+00	5.97E-09	6.21E-08	6.96E-03	0.00E+00	-6.51E-01	0.00E+00	-2.14E+01	-1.37E-04	-2.14E+01	-2.42E-01	6.51E-01	0.00E+00	0.00E+00	0.00E+00	2.99E-02
HDA023Z	-7.09E-02	-1.05E-02	-1.24E-02	-0.19E-01	0.00E+00	0.00E+00	-1.59E-01	-8.44E-03	-1.16E-03	8.93E-02	0.00E+00	-2.53E-07	-1.70E-08	6.15E-07	3.11E-03	6.93E-04	0.00E+00	0.00E+00	1.32E+01	-0.94E-02	-1.43E-01	0.00E+00	6.77E-08	2.32E-01	-1.13E-02	-8.11E-08	2.86E-00	0.00E+00	-1.43E+01	-2.26E-04							

HHA101Z	-8.62E-02	-8.52E-01	-1.30E-03	-7.12E-01	0.00E+00	0.00E+00	-1.64E-01	-8.00E-03	-1.99E-03	-4.11E-02	0.00E+00	-8.52E-08	-1.41E-08	-1.06E-08	1.69E-02	8.76E+00	0.00E+00	0.00E+00	-1.09E+01	3.95E-05	-1.09E+01	0.00E+00	-4.08E-08	-1.84E-01	-1.19E-02	-1.76E-08	2.62E+00	0.00E+00	-1.08E+01	-2.73E-04	-1.09E+01	-1.23E+01	-2.63E+00	0.00E+00	0.00E+00	0.00E+00	6.42E+02	
HHA102H	-7.85E-02	-8.24E-01	8.86E-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	-6.89E-08	9.10E-07	-1.76E-01	9.02E+00	0.00E+00	0.00E+00	1.47E+01	0.00E+00	0.37E+00	0.00E+00	-1.24E-08	-1.02E-01	-1.22E-02	0.00E+00	1.149E+00	0.00E+00	6.37E+00	-2.32E-04	-5.37E+00	6.79E+00	1.49E+00	0.00E+00	0.00E+00	0.00E+00	4.15E+02	
HHA123Z	-5.47E-02	-8.92E-01	-1.24E-02	-8.07E-01	0.00E+00	0.00E+00	-1.20E-01	8.00E-03	-2.88E-05	-2.75E-02	0.00E+00	-8.52E-08	9.37E-09	-7.05E-07	6.99E-02	5.97E+00	0.00E+00	0.00E+00	0.00E+00	9.32E+00	-3.05E-08	-1.09E+01	0.00E+00	-4.45E-08	-1.46E-07	-7.96E-03	-1.76E-08	2.89E+00	0.00E+00	-1.06E+01	-1.74E-04	1.05E+01	-1.06E+01	-2.88E+00	0.00E+00	0.00E+00	0.00E+00	3.93E+02
HHA125H	-8.96E-02	-2.18E-01	-8.95E-04	-2.17E-01	0.00E+00	0.00E+00	-1.39E-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	0.00E+00	-1.18E+01	0.00E+00	4.73E-01	0.00E+00	-1.00E-08	-1.16E-01	-1.66E-02	0.00E+00	-1.11E+00	0.00E+00	6.73E-01	-2.06E-04	-6.73E-01	-1.79E+00	-1.11E+00	0.00E+00	0.00E+00	0.00E+00	5.28E+02
HHA125H	3.24E-03	-5.94E-01	8.36E-03	5.10E-01	0.00E+00	0.00E+00	-1.39E-01	7.11E-03	4.30E-03	4.83E-03	0.00E+00	0.00E+00	-8.91E-09	8.21E-07	1.01E-02	6.21E+00	0.00E+00	0.00E+00	0.00E+00	-1.18E+01	0.00E+00	4.73E-01	0.00E+00	-1.00E-08	-1.16E-01	-1.66E-02	0.00E+00	-1.11E+00	0.00E+00	6.73E-01	-2.06E-04	-6.73E-01	-1.79E+00	-1.11E+00	0.00E+00	0.00E+00	0.00E+00	5.28E+02
HHA125Z	-3.14E-02	-8.11E-01	-3.97E-03	-7.09E-01	0.00E+00	0.00E+00	-1.67E-01	3.32E-03	1.55E-03	-1.84E-02	0.00E+00	-8.52E-08	9.82E-09	-3.66E-07	1.10E-02	6.91E+00	0.00E+00	0.00E+00	0.00E+00	5.83E+00	-3.09E-05	-1.01E+01	0.00E+00	-3.92E-08	-1.16E-01	4.50E-03	-1.76E-08	2.43E+00	0.00E+00	-1.02E+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	0.37E-02	-8.48E-01	-1.13E-03	-8.00E-01	0.00E+00	0.00E+00	-1.80E-01	4.49E-03	3.71E-03	5.09E-02	0.00E+00	0.00E+00	-1.20E-08	7.92E-07	-1.34E-01	9.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E+01	0.00E+00	-2.34E+00	0.00E+00	3.92E-10	-1.66E-07	-1.45E-02	0.00E+00	3.20E+00	0.00E+00	-2.94E+00	-2.73E-04	2.34E+00	4.94E+00	2.93E+00	0.00E+00	0.00E+00	0.00E+00	7.24E+02
HHA126U	-8.99E-02	-8.77E-01	-3.98E-03	-7.28E-01	0.00E+00	0.00E+00	-1.62E-01	3.58E-03	2.89E-03	-4.32E-02	0.00E+00	-8.52E-08	-1.47E-08	-1.12E-08	1.82E-02	6.95E+00	0.00E+00	0.00E+00	0.00E+00	-1.10E+01	-3.09E-08	-1.03E+01	0.00E+00	-3.84E-08	-1.98E-01	-1.23E-02	-1.76E-08	2.80E+00	0.00E+00	-1.03E+01	-2.76E-04	-1.03E+01	-1.21E+01	-2.84E+00	0.00E+00	0.00E+00	0.00E+00	5.88E+02
HHA126Z	-8.88E-02	-8.74E-01	-3.02E-03	-7.38E-01	0.00E+00	0.00E+00	-1.67E-01	3.32E-03	3.02E-03	-4.30E-02	0.00E+00	-8.52E-08	-1.47E-08	-1.12E-08	1.80E-02	6.94E+00	0.00E+00	0.00E+00	0.00E+00	-1.12E+01	-3.05E-08	-1.03E+01	0.00E+00	-3.98E-08	-2.01E-01	-1.25E-02	-1.76E-08	2.84E+00	0.00E+00	-1.06E+01	-2.72E-04	-1.06E+01	-1.25E+01	-2.84E+00	0.00E+00	0.00E+00	0.00E+00	6.68E+02
HHA127H	-7.85E-02	-8.38E-01	8.77E-03	-6.48E-01	0.00E+00	0.00E+00	-1.44E-01	7.93E-03	8.25E-04	-4.01E-02	0.00E+00	0.00E+00	-1.02E-08	-1.96E-07	1.80E-01	6.93E+00	0.00E+00	0.00E+00	0.00E+00	1.14E+01	0.00E+00	5.39E+00	0.00E+00	-1.23E-08	-1.36E-01	-1.26E-02	0.00E+00	1.24E+00	0.00E+00	-6.36E+00	-3.52E-04	3.36E+00	6.00E+00	1.83E+00	0.00E+00	0.00E+00	0.00E+00	6.33E+02
HHA160H	-7.38E-02	-7.95E-01	-1.87E-02	-7.38E-01	0.00E+00	0.00E+00	-1.99E-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	7.35E+00	0.00E+00	0.00E+00	0.00E+00	1.96E+01	0.00E+00	-1.01E+01	0.00E+00	-4.36E-08	-1.76E-01	-1.37E-02	0.00E+00	-1.63E+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	-7.00E-02	-2.38E-01	8.86E-04	-2.37E-01	0.00E+00	0.00E+00	-1.31E-01	7.15E-03	7.22E-03	-3.74E-02	0.00E+00	0.00E+00	-7.89E-09	8.24E-07	8.54E-02	-7.21E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+01	0.00E+00	-8.48E-01	0.00E+00	5.58E-09	-1.17E-01	-1.06E-02	0.00E+00	-1.13E+00	0.00E+00	-8.48E-01	-2.05E-04	-8.48E-01	-1.98E+00	-1.14E+00	0.00E+00	0.00E+00	0.00E+00	4.62E+02
HHA160Z	-4.89E-02	-7.77E-01	-1.16E-03	-8.89E-01	0.00E+00	0.00E+00	-1.49E-01	8.01E-03	8.37E-04	-2.26E-02	0.00E+00	-8.52E-08	-8.95E-09	-6.76E-07	6.58E-02	6.35E+00	0.00E+00	0.00E+00	0.00E+00	7.92E+00	-3.05E-08	-1.04E+00	0.00E+00	-4.06E-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	-1.94E+00	0.00E+00	0.00E+00	0.00E+00	3.64E+02
HHA161H	-1.75E-02	-3.89E-01	1.05E-02	-3.89E-01	0.00E+00	0.00E+00	-1.49E-01	8.01E-03	8.37E-04	-2.26E-02	0.00E+00	-8.52E-08	-8.95E-09	-6.76E-07	6.58E-02	6.35E+00	0.00E+00	0.00E+00	0.00E+00	7.92E+00	-3.05E-08	-1.04E+00	0.00E+00	-4.06E-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	-1.94E+00	0.00E+00	0.00E+00	0.00E+00	3.64E+02
HHA161U	9.84E-02	-8.34E-01	-2.36E-03	-8.88E-01	0.00E+00	0.00E+00	-1.73E-01	-1.02E-02	2.84E-03	-4.35E-02	0.00E+00	-8.52E-08	-1.44E-08	-1.32E-08	1.96E-02	6.98E+00	0.00E+00	0.00E+00	0.00E+00	-1.19E+01	-3.05E-08	-1.03E+01	0.00E+00	-3.87E-08	-1.98E-01	-1.27E-02	-1.76E-08	3.01E+00	0.00E+00	-1.02E+01	-2.98E-04	-1.02E+01	-1.17E+01	-3.01E+00	0.00E+00	0.00E+00	0.00E+00	5.86E+02
HHA161Z	-9.32E-02	-8.31E-01	-3.05E-03	-7.11E-01	0.00E+00	0.00E+00	-1.80E-01	8.97E-03	3.68E-03	-4.33E-02	0.00E+00	-8.52E-08	-1.45E-08	-1.17E-08	1.53E-02	6.90E+00	0.00E+00	0.00E+00	0.00E+00	1.23E+01	-3.09E-08	-1.08E+01	0.00E+00	-3.96E-08	-2.92E-07	-1.29E-02	-1.76E-08	3.04E+00	0.00E+00	-1.04E+01	-2.87E-04	-1.04E+01	-1.21E+01	-3.04E+00	0.00E+00	0.00E+00	0.00E+00	5.97E+02
HHA162H	-8.99E-02	-7.31E-01	8.86E-03	-7.49E-01	0.00E+00	0.00E+00	-1.89E-01	8.02E-03	3.02E-03	-4.51E-02	0.00E+00	0.00E+00	-1.23E-08	-1.04E-07	-1.07E+00	9.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E+01	0.00E+00	-8.47E+00	0.00E+00	-1.31E-08	-1.56E-01	-1.36E-02	0.00E+00	-1.91E+00	0.00E+00	6.47E+00	-2.66E-04	6.47E+00	8.99E+00	1.91E+00	0.00E+00	0.00E+00	0.00E+00	7.22E+02
HHA126U	-8.99E-02	-8.77E-01	-3.98E-03	-7.28E-01	0.00E+00	0.00E+00	-1.62E-01	3.58E-03	2.89E-03	-4.32E-02	0.00E+00	-8.52E-08	-1.47E-08	-1.12E-08	1.82E-02	6.95E+00	0.00E+00	0.00E+00	0.00E+00	-1.10E+01	-3.09E-08	-1.03E+01	0.00E+00	-3.84E-08	-1.98E-01	-1.23E-02	-1.76E-08	2.80E+00	0.00E+00	-1.03E+01	-2.76E-04	-1.03E+01	-1.21E+01	-2.84E+00	0.00E+00	0.00E+00	0.00E+00	5.88E+02
HHA126Z	-8.88E-02	-8.74E-01	-3.02E-03	-7.38E-01	0.00E+00	0.00E+00	-1.67E-01	3.32E-03	3.02E-03	-4.30E-02	0.00E+00	-8.52E-08	-1.47E-08	-1.12E-08	1.80E-02	6.94E+00	0.00E+00	0.00E+00	0.00E+00	-1.12E+01	-3.05E-08	-1.03E+01	0.00E+00	-3.98E-08	-2.01E-01	-1.25E-02	-1.76E-08	2.84E+00	0.00E+00	-1.06E+01	-2.72E-04	-1.06E+01	-1.25E+01	-2.84E+00	0.00E+00	0.00E+00	0.00E+00	6.68E+02
HHA127H	-7.85E-02	-8.38E-01	8.77E-03	-6.48E-01	0.00E+00	0.00E+00	-1.44E-01	7.93E-03	8.25E-04	-4.01E-02	0.00E+00	0.00E+00	-1.02E-08	-1.96E-07	1.80E-01	6.93E+00	0.00E+00	0.00E+00	0.00E+00	1.14E+01	0.00E+00	5.39E+00	0.00E+00	-1.23E-08	-1.36E-01	-1.26E-02	0.00E+00	1.24E+00	0.00E+00	-6.36E+00	-3.52E-04	3.36E+00	6.00E+00	1.83E+00	0.00E+00	0.00E+00	0.00E+00	6.33E+02
HHA160H	-7.38E-02	-7.95E-01	-1.87E-02	-7.38E-01	0.00E+00	0.00E+00	-1.99E-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	7.35E+00	0.00E+00	0.00E+00	0.00E+00	1.96E+01	0.00E+00	-1.01E+01	0.00E+00	-4.36E-08	-1.76E-01	-1.37E-02	0.00E+00	-1.63E+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	-7.00E-02	-2.38E-01	8.86E-04	-2.37E-01	0.00E+00	0.00E+00	-1.31E-01	7.15E-03	7.22E-03	-3.74E-02	0.00E+00	0.00E+00	-7.89E-09	8.24E-07	8.54E-02	-7.21E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+01	0.00E+00	-8.48E-01	0.00E+00	5.58E-09	-1.17E-01	-1.06E-02	0.00E+00	-1.13E+00	0.00E+00	-8.48E-01	-2.05E-04	-8.48E-01	-1.98E+00	-1.14E+00	0.00E+00	0.00E+00	0.00E+00	4.62E+02
HHA160Z	-4.89E-02	-7.77E-01	-1.16E-03	-8.89E-01	0.00E+00	0.00E+00	-1.49E-01	8.01E-03	8.37E-04	-2.26E-02	0.00E+00	-8.52E-08	-8.95E-09	-6.76E-07	6.58E-02	6.35E+00	0.00E+00	0.00E+00	0.00E+00																			

HS064BC	-1.21E+1	-1.81E+1	-1.47E+2	8.31E-1	0.00E+0	0.00E+0	-1.23E+1	-1.21E+2	4.35E-3	8.88E-2	0.00E+0	-1.54E-0	2.12E+0	-1.42E-0	-6.99E-2	0.97E+0	0.00E+0	0.00E+0	-1.78E+1	5.51E-0	-1.15E+1	0.00E+0	-1.94E-0	-2.32E-1	-1.66E-2	3.83E-0	2.76E+0	0.00E+0	-1.15E+0	-3.53E-4	-1.15E+1	-1.34E+1	-2.78E+0	0.00E+0	0.00E+0	0.00E+0	8.27E-2
HS064DC	-1.13E+1	-7.81E-1	-1.20E-2	8.23E-1	0.00E+0	0.00E+0	-1.95E+1	-1.12E-2	3.92E-3	6.53E-2	0.00E+0	-1.54E-0	2.01E+0	-1.25E-0	6.42E-2	-1.07E+1	0.00E+0	0.00E+0	-1.72E+1	5.51E-0	-1.15E+1	0.00E+0	-1.88E-0	2.22E-1	-1.53E-2	3.83E-0	2.77E+0	0.00E+0	-1.10E+1	-3.26E-4	-1.10E+1	-1.31E+1	-2.77E+0	0.00E+0	0.00E+0	0.00E+0	7.81E-2
HS064DR	-6.99E-2	-6.81E-1	0.26E-3	7.68E-1	0.00E+0	0.00E+0	-2.07E+1	0.20E-1	1.52E-3	4.92E-2	0.00E+0	-3.20E-1	1.37E+0	-8.82E-2	1.15E-2	0.97E+0	0.00E+0	0.00E+0	-1.83E+1	-1.14E-1	-1.08E+1	0.00E+0	-3.02E-0	-1.46E-1	-1.47E-2	3.72E-0	2.33E+0	0.00E+0	-1.08E+1	-2.31E-4	-1.08E+1	-1.19E+1	-2.33E+0	0.00E+0	0.00E+0	0.00E+0	7.48E-2
HS078EC	2.81E-2	6.41E-1	-1.12E-2	4.46E-1	0.00E+0	0.00E+0	-1.77E+1	0.26E-3	1.79E-4	-1.41E-2	0.00E+0	0.00E+0	-4.87E-0	3.31E-2	0.96E-2	6.24E+0	0.00E+0	0.00E+0	-1.51E+1	0.00E+0	0.00E+0	0.00E+0	-1.84E-0	5.42E-0	4.94E-3	0.00E+0	6.61E-1	0.00E+0	6.31E+0	7.19E-0	6.31E+0	6.02E+0	-8.61E-1	0.00E+0	0.00E+0	0.00E+0	2.11E-2
HS080BC	5.99E-2	6.81E-1	8.43E-3	4.83E-1	0.00E+0	0.00E+0	-4.84E+1	0.99E+0	-1.54E-1	0.00E+0	0.00E+0	-1.54E-0	1.28E+0	-8.22E-2	1.35E-2	0.97E+0	0.00E+0	0.00E+0	-1.60E+1	5.51E-0	-1.05E+1	0.00E+0	-3.02E-0	-1.48E-1	-1.34E-2	3.83E-0	1.94E+0	0.00E+0	-1.08E+1	-2.31E-4	-1.08E+1	-1.19E+1	-2.33E+0	0.00E+0	0.00E+0	0.00E+0	7.33E-2
HS080DC	8.23E-2	8.25E-1	7.46E-3	6.78E-1	0.00E+0	0.00E+0	-1.94E+1	0.73E-3	6.96E-4	-1.14E-2	0.00E+0	-1.54E-0	1.28E+0	-7.18E-2	1.07E-2	6.40E+0	0.00E+0	0.00E+0	-1.67E+1	5.51E-0	-1.03E+1	0.00E+0	-2.00E-0	-1.47E-1	-1.37E-2	3.83E-0	1.51E+0	0.00E+0	-1.03E+1	-1.92E-4	-1.03E+1	-1.24E+1	-1.57E+0	0.00E+0	0.00E+0	0.00E+0	7.40E-2
HS080DR	4.50E-2	8.70E-1	8.09E-3	7.29E-1	0.00E+0	0.00E+0	-1.54E+1	0.20E-1	1.28E-3	4.94E-2	0.00E+0	-3.20E-1	1.26E+0	-8.59E-2	1.20E-2	6.45E+0	0.00E+0	0.00E+0	-1.36E+1	-1.14E-1	-1.10E+1	0.00E+0	-3.29E-0	-1.24E-1	-1.20E-2	3.72E-0	1.46E+0	0.00E+0	-1.10E+1	-1.71E-4	-1.10E+1	-1.23E+1	-1.48E+0	0.00E+0	0.00E+0	0.00E+0	6.88E-2
HS081BC	-1.21E+1	-8.20E-1	-1.44E-2	8.26E-1	0.00E+0	0.00E+0	-2.11E+1	-1.21E+2	4.35E-3	8.88E-2	0.00E+0	-1.54E-0	2.12E+0	-1.42E-0	-6.94E-2	0.97E+0	0.00E+0	0.00E+0	-1.78E+1	5.51E-0	-1.15E+1	0.00E+0	-1.88E-0	2.22E-1	-1.66E-2	3.83E-0	2.75E+0	0.00E+0	-1.15E+1	-3.53E-4	-1.15E+1	-1.34E+1	-2.78E+0	0.00E+0	0.00E+0	0.00E+0	8.27E-2
HS081DC	-1.21E+1	-8.20E-1	-1.37E-2	8.18E-1	0.00E+0	0.00E+0	-2.06E+1	-1.21E-2	4.35E-3	8.88E-2	0.00E+0	-1.54E-0	2.12E+0	-1.42E-0	-6.84E-2	0.10E+1	0.00E+0	0.00E+0	-1.77E+1	5.51E-0	-1.15E+1	0.00E+0	-1.88E-0	2.22E-1	-1.64E-2	3.83E-0	2.73E+0	0.00E+0	-1.11E+1	-3.52E-4	-1.11E+1	-1.32E+1	-2.77E+0	0.00E+0	0.00E+0	0.00E+0	8.14E-2
HS081DR	4.96E-2	6.81E-1	8.69E-3	6.78E-1	0.00E+0	0.00E+0	-3.99E+1	1.62E-3	6.91E-4	-1.31E-2	0.00E+0	-3.20E-1	1.37E+0	-8.92E-2	1.27E-2	6.02E+0	0.00E+0	0.00E+0	-1.64E+1	-1.14E-1	-1.08E+1	0.00E+0	-2.83E-0	-1.46E-1	-1.51E-2	3.72E-0	2.31E+0	0.00E+0	-1.08E+1	-2.31E-4	-1.08E+1	-1.19E+1	-2.31E+0	0.00E+0	0.00E+0	0.00E+0	7.53E-2
HS098EC	2.88E-2	4.16E-1	-1.12E-2	4.44E-1	0.00E+0	0.00E+0	-4.77E+1	2.70E-3	1.75E-4	-1.41E-2	0.00E+0	0.00E+0	-4.89E-0	3.35E-2	1.19E-2	2.45E+0	0.00E+0	0.00E+0	-1.51E+1	0.00E+0	0.00E+0	0.00E+0	-1.89E-0	6.42E-0	4.94E-3	0.00E+0	6.72E-1	0.00E+0	6.25E+0	7.34E-0	6.25E+0	6.01E+0	-8.62E-1	0.00E+0	0.00E+0	0.00E+0	2.11E-2
HS100BC	8.23E-2	8.24E-1	7.46E-3	6.78E-1	0.00E+0	0.00E+0	-1.94E+1	0.73E-3	6.61E-4	-1.14E-2	0.00E+0	-1.54E-0	1.28E+0	-7.15E-2	1.06E-2	6.39E+0	0.00E+0	0.00E+0	-1.67E+1	5.51E-0	-1.05E+1	0.00E+0	-1.99E-0	-1.47E-1	-1.37E-2	3.83E-0	1.51E+0	0.00E+0	-1.03E+1	-1.92E-4	-1.03E+1	-1.24E+1	-1.57E+0	0.00E+0	0.00E+0	0.00E+0	7.40E-2
HS100DR	4.50E-2	8.72E-1	8.09E-3	7.29E-1	0.00E+0	0.00E+0	-1.54E+1	0.20E-1	1.28E-3	4.92E-2	0.00E+0	-3.20E-1	1.26E+0	-8.59E-2	1.20E-2	6.45E+0	0.00E+0	0.00E+0	-1.36E+1	-1.14E-1	-1.10E+1	0.00E+0	-3.29E-0	-1.24E-1	-1.20E-2	3.72E-0	1.62E+0	0.00E+0	-1.10E+1	-1.69E-4	-1.10E+1	-1.24E+1	-1.57E+0	0.00E+0	0.00E+0	0.00E+0	6.88E-2
HS101BC	-1.21E+1	-8.19E-1	-1.44E-2	8.26E-1	0.00E+0	0.00E+0	-2.11E+1	-1.21E+2	4.35E-3	8.88E-2	0.00E+0	-1.54E-0	2.12E+0	-1.42E-0	-6.93E-2	0.98E+0	0.00E+0	0.00E+0	-1.78E+1	5.51E-0	-1.15E+1	0.00E+0	-1.84E-0	2.22E-1	-1.66E-2	3.83E-0	2.75E+0	0.00E+0	-1.15E+1	-3.53E-4	-1.15E+1	-1.34E+1	-2.78E+0	0.00E+0	0.00E+0	0.00E+0	8.27E-2
HS101DC	-1.24E+1	-7.81E-1	-1.28E-2	8.18E-1	0.00E+0	0.00E+0	-1.96E+1	-1.12E+2	3.92E-3	6.53E-2	0.00E+0	-1.54E-0	2.01E+0	-1.25E-0	-6.98E-2	0.10E+1	0.00E+0	0.00E+0	-1.73E+1	5.51E-0	-1.15E+1	0.00E+0	-1.77E-0	2.22E-1	-1.53E-2	3.83E-0	2.77E+0	0.00E+0	-1.10E+1	-3.27E-4	-1.10E+1	-1.31E+1	-2.77E+0	0.00E+0	0.00E+0	0.00E+0	7.81E-2
HS101DR	8.48E-2	8.83E-1	8.89E-3	7.68E-1	0.00E+0	0.00E+0	-2.04E+1	1.72E-3	1.62E-4	-8.89E-2	0.00E+0	-3.20E-1	1.37E+0	-8.47E-2	1.34E-2	0.97E+0	0.00E+0	0.00E+0	-1.83E+1	-1.14E-1	-1.10E+1	0.00E+0	-2.89E-0	-1.45E-1	-1.47E-2	3.72E-0	2.29E+0	0.00E+0	-1.08E+1	-2.26E-4	-1.08E+1	-1.19E+1	-2.31E+0	0.00E+0	0.00E+0	0.00E+0	7.48E-2
HS120DC	5.97E-2	7.23E-1	8.95E-3	7.29E-1	0.00E+0	0.00E+0	-1.98E+1	1.72E-3	1.98E-4	-5.26E-2	0.00E+0	-1.54E-0	1.54E+0	-7.72E-2	1.42E-2	0.14E+1	0.00E+0	0.00E+0	-1.72E+1	5.51E-0	-1.09E+1	0.00E+0	-1.86E-0	1.82E-1	-1.49E-2	3.83E-0	2.57E+0	0.00E+0	-1.08E+1	-2.26E-4	-1.08E+1	-1.19E+1	-2.31E+0	0.00E+0	0.00E+0	0.00E+0	7.75E-2
HS123EC	2.36E-2	4.24E-1	-1.10E-2	4.57E-1	0.00E+0	0.00E+0	-4.94E+1	3.37E-3	1.54E-4	-1.26E-2	0.00E+0	0.00E+0	-4.85E-0	3.36E-2	1.24E-2	2.42E+0	0.00E+0	0.00E+0	-1.42E+1	0.00E+0	0.00E+0	0.00E+0	-1.94E-0	6.50E-0	6.53E-3	0.00E+0	6.36E-1	0.00E+0	6.53E+0	7.35E-0	6.36E+0	6.05E+0	-8.61E-1	0.00E+0	0.00E+0	0.00E+0	2.01E-2
HS125BC	8.48E-2	8.99E-1	8.48E-3	8.94E-1	0.00E+0	0.00E+0	-1.92E+1	1.89E-3	8.95E-4	-4.31E-2	0.00E+0	-1.54E-0	1.39E+0	-7.42E-2	-1.00E-2	6.39E+0	0.00E+0	0.00E+0	-1.67E+1	5.51E-0	-1.07E+1	0.00E+0	-1.96E-0	-1.85E-1	-1.41E-2	3.83E-0	1.51E+0	0.00E+0	-1.07E+1	-1.97E-4	-1.07E+1	-1.29E+1	-1.57E+0	0.00E+0	0.00E+0	0.00E+0	7.58E-2
HS125DC	8.48E-2	8.40E-1	7.38E-3	8.94E-1	0.00E+0	0.00E+0	-1.89E+1	1.89E-3	8.58E-4	-4.31E-2	0.00E+0	-1.54E-0	1.39E+0	-7.42E-2	-9.31E-2	6.28E+0	0.00E+0	0.00E+0	-1.67E+1	5.51E-0	-1.05E+1	0.00E+0	-2.04E-0	-1.88E-1	-1.41E-2	3.83E-0	1.52E+0	0.00E+0	-1.08E+1	-1.97E-4	-1.05E+1	-1.28E+1	-1.57E+0	0.00E+0	0.00E+0	0.00E+0	7.48E-2
HS125DR	4.89E-2	8.79E-1	7.41E-3	7.46E-1	0.00E+0	0.00E+0	-1.57E+1	1.07E-3	1.00E-4	-4.11E-2	0.00E+0	-3.20E-1	1.28E+0	-6.65E-2	1.44E-2	6.18E+0	0.00E+0	0.00E+0	-1.37E+1	-1.14E-1	-1.12E+1	0.00E+0	-3.38E-0	-1.43E-1	-1.23E-2	3.72E-0	1.61E+0	0.00E+0	-1.12E+1	-1.70E-4	-1.12E+1	-1.27E+1	-1.67E+0	0.00E+0	0.00E+0	0.00E+0	6.98E-2
HS126BC	1.23E+1	8.95E-1	1.45E-2	8.41E-1	0.00E+0	0.00E+0	-1.54E+1	1.25E+2	4.35E-3	7.12E-2	0.00E+0	-1.54E-0	2.11E+0	-1.46E-0	5.40E-2	0.97E+0	0.00E+0	0.00E+0	-1.78E+1	5.51E-0	-1.17E+1	0.00E+0	-1.90E-0	2.22E-1	-1.70E-2	3.83E-0	2.81E+0	0.00E+0	-1.17E+1	-3.81E-4	-1.17E+1	-1.37E+1	-2.81E+0	0.00E+0	0.00E+0	0.00E+0	8.35E-2
HS126DC	-1.16E+1	-7.98E-1	-1.28E-2	8.32E-1	0.00E+0	0.00E+0	-2.08E+1	-1.17E+2	4.35E-3	8.77E-2	0.00E+0	-1.54E-0	2.11E+0	-1.39E-0	-6.42E-2	0.10E+1	0.00E+0	0.00E+0	-1.73E+1	5.51E-0	-1.17E+1	0.00E+0	-1.83E-0	2.41E-1	-1.56E-2	3.83E-0	2.83E+0	0.00E+0	-1.12E+1	-3.40E-4	-1.12E+1	-1.34E+1	-2.83E+0	0.00E+0	0.00E+0	0.00E+0	7.89E-2
HS126DR	7.16E-2	8.71E-1	8.16E-3	7.85E-1	0.00E+0	0.00E+0	-2.10E+1	8.60E-3	1.20E-4	-5.19E-2	0.00E+0	-3.20E-1	1.49E+0	9.17E-2	1.52E-2	6.88E+0	0.00E+0	0.00E+0	-1.83E+1	-1.14E-1	-1.11E+1	0.00E+0	-3.08E-0	-1.10E-1	-1.51E-2	3.72E-0	2.35E+0	0.00E+0	-1.11E+1	-2.40E-4	-1.11E+1	-1.21E+1	-2.35E+0	0.00E+0	0.00E+0	0.00E+0	7.58E-2
HS127DC	8.49E-2	7.48E-1	8.56E-3	7.85E-1	0.00E+0	0.00E+0	-2.02E+1	1.64E-3	2.25E-4	-5.56E-2	0.00E+0	-1.54E-0	1.69E+0	-1.06E-0	-4.48E-2	0.29E+0	0.00E+0	0.00E+0	-1.73E+1	5.51E-0	-1.08E+1	0.00E+0	-1.74E-0	-1.10E-1	-1.56E-2	3.83E-0	2.75E+0	0.00E+0	-1.08E+1	-2.77E-4	-1.08E+1	-1.30E+1	-2.77E+0	0.00E+0	0.00E+0	0.00E+0	7.89E-2
HS160BC	7.27E-2	6.42E-1	-1.02E-2	5.71E-1	0.00E+0	0.00E+0	-3.90E+1	1.74E-3	1.29E-4	-4.56E-2	0.00E+0	-1.54E-0	1.42E+0	-8.56E-2	-1.54E-2	6.17E+0	0.00E+0	0.00E+0	-1.67E+1	5.51E-0	-1.07E+1	0.00E+0	-2.15E-0	-1.72E-1	-1.44E-2	3.83E-0	1.61E+0	0.00E+0	-1.07E+1	-2.14E-4	-1.07E+1	-1.23E+1	-1.67E+0	0.00E+0	0.00E+0	0.00E+0	7.62E-2
HS160DC	7.27E-2	6.40E-1	-1.02E-2	5.71E-1	0.00E+0	0.00E+0	-3.90E+1	1.74E-3	1.29E-4	-4.56E-2	0.00E+0	-1.54E-0	1.42E+0	-8.56E-2	-1.54E-2	6.17E+0	0.00E+0	0.00E+0	-1.67E+1	5.51E-0	-1.07E+1	0.00E+0	-2.15E-0	-1.72E-1	-1.44E-2	3.83E-0	1.61E+0	0.00E+0	-1.07E+1	-2.14E-4	-1.07E+1	-1.23E+1	-1.67E+0	0.00E			

HMW251DR	-5.52E+01	4.48E+00	-1.76E+02	4.85E+00	0.00E+00	0.00E+00	-1.25E+02	5.56E+02	2.58E+02	2.35E+01	0.00E+00	-1.51E+06	6.10E+00	-6.41E+00	4.78E+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+01	-8.91E+02	3.84E+07	6.10E+00	0.00E+00	-4.06E+01	-1.61E+03	4.96E+01	4.86E+01	-8.11E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03	
HMW320BR	-5.30E+01	2.11E+00	-1.66E+02	2.25E+00	0.00E+00	0.00E+00	-1.17E+02	5.43E+02	2.35E+02	2.02E+01	0.00E+00	-1.05E+07	4.89E+00	-6.24E+00	4.71E+02	2.94E+01	0.00E+00	0.00E+00	-8.81E+01	-1.87E+04	-2.39E+01	0.00E+00	-3.71E+08	-6.00E+01	-8.37E+02	1.24E+07	4.79E+00	0.00E+00	2.39E+01	-1.54E+03	2.39E+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	5.55E+02	2.50E+02	2.06E+01	0.00E+00	-1.02E+07	4.60E+00	-6.41E+00	4.79E+02	3.33E+01	0.00E+00	0.00E+00	-1.04E+02	-3.80E+04	-3.05E+01	0.00E+00	-7.75E+08	-6.70E+01	-8.91E+02	2.39E+07	6.23E+00	0.00E+00	3.05E+01	-1.61E+03	3.05E+01	3.72E+01	-8.23E+00	0.00E+00	0.00E+00	0.00E+00	-4.51E+03	
HMW321BR	-5.30E+01	3.05E+00	-1.39E+02	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+00	-6.24E+00	4.78E+02	3.56E+01	0.00E+00	0.00E+00	-8.81E+01	-2.48E+04	2.57E+01	0.00E+00	-3.97E+08	-6.07E+01	-8.37E+02	1.73E+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	-5.58E+01	4.44E+00	-1.96E+02	4.85E+00	0.00E+00	0.00E+00	-1.25E+02	5.56E+02	2.58E+02	2.35E+01	0.00E+00	-1.54E+06	6.10E+00	-6.41E+00	4.78E+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+01	-8.91E+02	3.84E+07	6.10E+00	0.00E+00	-4.06E+01	-1.61E+03	4.96E+01	4.86E+01	-8.11E+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	2.37E+01	0.00E+00	-1.39E+08	6.81E+00	-6.47E+00	4.73E+02	4.36E+01	0.00E+00	0.00E+00	-1.04E+02	5.50E+04	-3.42E+01	0.00E+00	-8.57E+08	-6.42E+01	-8.02E+02	3.28E+07	6.79E+00	0.00E+00	3.42E+01	-1.62E+03	3.42E+01	4.34E+01	-9.79E+00	0.00E+00	0.00E+00	0.00E+00	-4.56E+03	
HMW401DR	-5.54E+01	4.50E+00	-2.58E+02	3.65E+00	0.00E+00	0.00E+00	-1.25E+02	5.57E+02	2.59E+02	2.37E+01	0.00E+00	-1.39E+08	6.81E+00	-6.47E+00	4.73E+02	4.36E+01	0.00E+00	0.00E+00	-1.04E+02	5.50E+04	-3.42E+01	0.00E+00	-8.57E+08	-6.42E+01	-8.02E+02	3.28E+07	6.79E+00	0.00E+00	3.42E+01	-1.62E+03	3.42E+01	4.34E+01	-9.79E+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	5.43E+02	2.36E+02	2.83E+01	0.00E+00	-1.34E+08	5.48E+00	-6.29E+00	4.43E+02	4.28E+01	0.00E+00	0.00E+00	-8.86E+01	-4.70E+04	-3.77E+01	0.00E+00	-1.28E+07	-7.23E+01	-8.48E+02	3.09E+07	6.86E+00	0.00E+00	3.72E+01	-1.54E+03	3.72E+01	4.87E+01	-6.38E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03	
HMW501BR	-5.32E+01	4.39E+00	-1.85E+02	4.57E+00	0.00E+00	0.00E+00	-1.17E+02	5.43E+02	2.40E+02	2.83E+01	0.00E+00	-1.47E+08	6.29E+00	-6.43E+00	4.28E+02	4.28E+01	0.00E+00	0.00E+00	-8.86E+01	-4.39E+04	-3.77E+01	0.00E+00	-1.05E+07	-7.31E+01	-8.48E+02	3.27E+07	6.33E+00	0.00E+00	3.71E+01	-1.54E+03	3.71E+01	4.87E+01	-6.38E+00	0.00E+00	0.00E+00	0.00E+00	-4.24E+03	
HNA016M	-3.76E+02	1.99E+02	1.07E+03	2.89E+02	0.00E+00	0.00E+00	-2.77E+02	1.25E+03	1.74E+03	-1.10E+02	0.00E+00	0.00E+00	4.81E+06	2.96E+02	5.96E+02	3.12E+02	0.00E+00	0.00E+00	3.20E+02	0.00E+00	5.83E+01	0.00E+00	1.62E+08	-5.91E+08	4.15E+03	6.00E+00	5.97E+01	0.00E+00	5.83E+01	-7.70E+05	3.70E+01	2.70E+01	-5.97E+01	0.00E+00	0.00E+00	0.00E+00	-1.64E+02	
HNA016Z	-2.48E+02	-8.99E+02	-1.29E+03	-8.69E+02	0.00E+00	0.00E+00	4.53E+03	-2.37E+03	3.30E+04	1.28E+02	0.00E+00	0.00E+00	-4.89E+02	2.83E+02	3.48E+02	2.33E+02	0.00E+00	0.00E+00	4.27E+02	0.00E+00	-8.70E+01	0.00E+00	4.94E+08	-4.52E+08	3.76E+03	0.00E+00	-4.49E+01	0.00E+00	8.91E+01	-1.16E+05	-8.70E+01	-1.07E+06	4.49E+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	6.50E+03	4.79E+03	4.39E+05	-1.98E+02	0.00E+00	0.00E+00	8.94E+09	-4.89E+07	2.15E+02	-5.87E+02	0.00E+00	0.00E+00	4.79E+02	0.00E+00	3.17E+02	0.00E+00	3.38E+08	-7.80E+08	-7.32E+03	0.00E+00	1.16E+04	0.00E+00	3.17E+02	-1.44E+04	3.17E+02	2.88E+02	-1.98E+02	0.00E+00	0.00E+00	0.00E+00	3.09E+02	
HNA017Z	-3.14E+02	4.92E+02	1.19E+02	3.49E+02	0.00E+00	0.00E+00	4.14E+03	4.10E+03	2.98E+03	-1.81E+02	0.00E+00	0.00E+00	6.99E+09	-4.13E+07	6.07E+02	6.14E+02	0.00E+00	0.00E+00	6.09E+02	0.00E+00	3.77E+02	0.00E+00	2.07E+08	-7.32E+08	6.03E+03	0.00E+00	-6.54E+01	0.00E+00	8.77E+02	-1.16E+04	9.77E+02	-9.94E+01	-6.54E+01	0.00E+00	0.00E+00	0.00E+00	-2.49E+02	
HNA020M	-5.04E+02	-6.98E+02	-8.08E+04	-8.04E+02	0.00E+00	0.00E+00	6.45E+03	-4.85E+03	1.34E+03	2.13E+02	0.00E+00	0.00E+00	-4.50E+02	3.67E+02	1.87E+02	6.90E+02	3.94E+02	0.00E+00	0.00E+00	6.34E+02	0.00E+00	-3.14E+02	0.00E+00	1.79E+08	-7.28E+08	6.24E+03	0.00E+00	-8.91E+01	0.00E+00	-2.14E+04	-1.54E+04	2.14E+02	2.79E+01	-6.91E+01	0.00E+00	0.00E+00	0.00E+00	-2.58E+02
HNA020Z	-2.48E+02	8.73E+02	-1.29E+03	-8.19E+02	0.00E+00	0.00E+00	4.53E+03	-2.43E+03	2.79E+04	1.28E+02	0.00E+00	0.00E+00	-4.93E+02	2.89E+02	3.09E+02	2.34E+02	0.00E+00	0.00E+00	4.27E+02	0.00E+00	-8.52E+01	0.00E+00	4.84E+08	-4.49E+08	3.76E+03	0.00E+00	-4.43E+01	0.00E+00	6.92E+01	-7.09E+05	-8.52E+01	-1.07E+06	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	4.89E+03	4.72E+03	1.42E+04	-1.98E+02	0.00E+00	0.00E+00	6.39E+09	-4.79E+07	2.49E+02	-5.89E+02	0.00E+00	0.00E+00	5.79E+02	0.00E+00	3.29E+02	0.00E+00	3.63E+08	-7.98E+08	-7.24E+03	0.00E+00	1.08E+04	0.00E+00	3.29E+02	-1.39E+04	3.29E+02	3.09E+02	-1.98E+02	0.00E+00	0.00E+00	0.00E+00	2.81E+02	
HNA021Z	-5.79E+02	-7.72E+02	1.07E+02	5.02E+02	0.00E+00	0.00E+00	-1.12E+03	1.61E+03	-1.05E+03	3.05E+02	0.00E+00	0.00E+00	4.84E+09	-6.83E+07	3.37E+02	4.97E+02	0.00E+00	0.00E+00	8.24E+02	0.00E+00	1.03E+01	0.00E+00	2.10E+08	-1.10E+08	-1.07E+02	0.00E+00	-1.11E+04	0.00E+00	1.03E+01	-1.88E+04	1.03E+01	8.10E+01	-1.11E+04	0.00E+00	0.00E+00	0.00E+00	-4.24E+02	
HNA025H	-2.53E+02	1.29E+01	1.01E+03	9.73E+02	0.00E+00	0.00E+00	6.75E+03	2.94E+03	1.28E+03	-1.61E+02	0.00E+00	0.00E+00	-7.79E+09	3.01E+07	1.13E+02	3.33E+02	0.00E+00	0.00E+00	6.29E+02	0.00E+00	1.90E+02	0.00E+00	2.79E+08	-9.29E+08	4.70E+03	0.00E+00	-7.25E+01	0.00E+00	1.90E+02	-9.04E+05	1.90E+02	1.77E+02	-7.59E+01	0.00E+00	0.00E+00	0.00E+00	-2.74E+02	
HNA025M	-3.83E+02	2.09E+01	9.21E+03	2.23E+01	0.00E+00	0.00E+00	6.50E+03	4.79E+03	4.39E+05	-1.98E+02	0.00E+00	0.00E+00	8.94E+09	-4.89E+07	2.15E+02	-5.87E+02	0.00E+00	0.00E+00	4.79E+02	0.00E+00	3.17E+02	0.00E+00	3.38E+08	-7.80E+08	-7.32E+03	0.00E+00	1.16E+04	0.00E+00	3.17E+02	-1.44E+04	3.17E+02	2.88E+02	-1.98E+02	0.00E+00	0.00E+00	0.00E+00	3.09E+02	
HNA025U	-2.98E+02	-1.39E+01	-8.25E+04	-1.32E+01	0.00E+00	0.00E+00	6.37E+03	-2.48E+03	2.99E+04	1.80E+02	0.00E+00	0.00E+00	-7.69E+09	2.89E+07	4.19E+02	3.09E+02	0.00E+00	0.00E+00	5.89E+02	0.00E+00	-1.79E+02	0.00E+00	3.54E+08	-6.25E+08	-4.83E+03	0.00E+00	-6.15E+01	0.00E+00	-1.79E+02	-9.91E+05	-1.79E+02	2.03E+02	-6.15E+01	0.00E+00	0.00E+00	0.00E+00	2.95E+02	
HNA025Z	-2.98E+02	-8.99E+02	2.36E+03	7.87E+02	0.00E+00	0.00E+00	4.09E+03	3.20E+03	7.82E+04	-1.23E+02	0.00E+00	0.00E+00	6.00E+09	-2.71E+07	5.23E+02	-2.24E+02	0.00E+00	0.00E+00	4.18E+02	0.00E+00	-8.18E+01	0.00E+00	6.18E+08	-4.52E+08	-3.88E+03	0.00E+00	-4.29E+01	0.00E+00	-9.18E+01	-8.80E+05	9.18E+01	-1.04E+06	-4.29E+01	0.00E+00	0.00E+00	0.00E+00	-1.94E+02	
HNA026H	-6.49E+02	8.56E+04	7.87E+03	6.94E+02	0.00E+00	0.00E+00	4.14E+03	-6.09E+03	8.83E+04	-3.00E+02	0.00E+00	0.00E+00	6.99E+09	-6.53E+07	1.81E+02	6.80E+02	0.00E+00	0.00E+00	1.07E+02	0.00E+00	2.31E+02	0.00E+00	3.23E+08	-1.13E+08	6.79E+03	0.00E+00	-1.14E+04	0.00E+00	2.31E+02	-1.89E+04	2.31E+02	1.09E+02	-1.14E+04	0.00E+00	0.00E+00	0.00E+00	-4.59E+02	
HNA026M	-3.81E+02	2.14E+01	1.27E+02	2.31E+01	0.00E+00	0.00E+00	4.89E+03	4.72E+03	1.42E+04	-1.98E+02	0.00E+00	0.00E+00	6.39E+09	-4.79E+07	2.49E+02	-5.89E+02	0.00E+00	0.00E+00	5.79E+02	0.00E+00	3.29E+02	0.00E+00	3.63E+08	-7.98E+08	-7.24E+03	0.00E+00	1.08E+04	0.00E+00	3.29E+02	-1.39E+04	3.29E+02	3.09E+02	-1.98E+02	0.00E+00	0.00E+00	0.00E+00	2.81E+02	
HNA026U	-6.09E+02	-1.94E+00	-4.02E+03	-8.94E+01	0.00E+00	0.00E+00	-1.97E+03	1.89E+03	-3.83E+03	-5.32E+02	0.00E+00	0.00E+00	-2.53E+07	2.19E+08	-1.10E+08	1.29E+02	-1.30E+02	0.00E+00	0.00E+00	-1.47E+01	-9.94E+05	-1.41E+01	0.00E+00	-6.30E+08	-2.78E+01	-1.99E+02	-8.15E+08	2.30E+00	0.00E+00	-1.47E+01	-2.89E+04	-1.47E+01	-1.63E+01	-2.30E+00	0.00E+00	0.00E+00	0.00E+00	-7.59E+02
HNA026Z	-4.84E+02	-1.94E+00	-4.02E+03	-8.94E+01	0.00E+00	0.00E+00	-2.01E+03	1.84E+03	-3.81E+03	-5.17E+02	0.00E+00	0.00E+00	-2.53E+07	2.19E+08	-1.07E+08	1.37E+02	-1.29E+02	0.00E+00	0.00E+00	-1.47E+01	-9.94E+05	-1.41E+01	0.00E+00	-6.30E+08	-2.78E+01	-1.99E+02	-8.15E+08	2.30E+00	0.00E+00	-1.47E+01	-2.89E+							

HNB101U	-2.33E+1	-4.79E+1	4.35E+3	-1.12E+1	0.00E+0	0.00E+0	4.70E+1	2.31E+2	0.15E+3	-1.16E+1	0.00E+0	2.28E+8	2.55E+0	-2.62E+0	4.99E+3	2.05E+1	0.00E+0	0.00E+0	-3.51E+1	8.13E+8	-7.20E+0	0.00E+0	1.68E+8	-3.65E+1	-3.22E+2	2.35E+9	3.98E+1	0.00E+0	7.20E+0	-6.88E+4	7.20E+0	-1.39E+1	3.98E+0	0.00E+0	0.00E+0	0.00E+0	-1.61E+3	
HNB101Z	-5.93E+0	-6.83E+1	2.86E+3	-6.22E+1	0.00E+0	0.00E+0	-1.39E+1	8.73E+3	3.27E+3	3.27E+2	0.00E+0	0.00E+0	1.58E+0	8.81E+1	-4.95E+1	-1.07E+1	0.00E+0	0.00E+0	1.84E+1	0.00E+0	-8.11E+0	0.00E+0	8.82E+0	-1.15E+1	-1.33E+2	0.00E+0	4.95E+0	0.00E+0	6.11E+0	-1.96E+4	8.11E+0	-1.01E+1	4.95E+0	0.00E+0	0.00E+0	0.00E+0	7.78E+2	
HNB102H	-2.33E+1	-4.79E+1	4.35E+3	-1.12E+1	0.00E+0	0.00E+0	4.70E+1	2.31E+2	0.15E+3	-1.16E+1	0.00E+0	2.28E+8	2.55E+0	-2.62E+0	4.99E+3	2.05E+1	0.00E+0	0.00E+0	0.00E+0	3.52E+1	-8.13E+8	-7.20E+0	0.00E+0	1.68E+8	-3.65E+1	-3.22E+2	2.35E+9	3.98E+1	0.00E+0	7.20E+0	-6.88E+4	7.20E+0	-1.39E+1	3.98E+0	0.00E+0	0.00E+0	0.00E+0	-1.61E+3
HNB125H	-1.71E+1	-1.47E+0	-1.15E+2	-1.57E+0	0.00E+0	0.00E+0	3.85E+1	-1.66E+2	5.20E+3	8.19E+2	0.00E+0	2.28E+8	2.55E+0	-1.79E+0	3.19E+1	-1.81E+1	0.00E+0	0.00E+0	3.57E+1	8.13E+8	-1.63E+1	0.00E+0	5.21E+8	-3.33E+1	2.60E+2	4.95E+9	6.52E+1	0.00E+0	1.83E+1	-6.87E+4	1.83E+1	-1.21E+1	6.52E+0	0.00E+0	0.00E+0	0.00E+0	-1.43E+3	
HNB125Z	-1.06E+1	-0.98E+1	-1.05E+3	-1.04E+3	0.00E+0	0.00E+0	6.47E+0	6.00E+2	1.00E+4	7.63E+0	5.47E+0	0.00E+0	3.20E+8	1.04E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0	-8.13E+8	-1.63E+1	0.00E+0	5.21E+8	-3.33E+1	2.60E+2	4.95E+9	6.52E+1	0.00E+0	1.38E+1	-2.97E+4	1.38E+1	-1.07E+1	6.52E+0	0.00E+0	0.00E+0	0.00E+0	-7.92E+2
HNB126H	-1.88E+1	-8.27E+1	5.76E+3	-1.67E+1	0.00E+0	0.00E+0	3.37E+1	-1.50E+2	6.91E+3	9.52E+2	0.00E+0	0.00E+0	2.38E+0	2.16E+0	-1.97E+2	-1.88E+1	0.00E+0	0.00E+0	3.22E+1	0.00E+0	7.72E+0	0.00E+0	1.07E+1	3.43E+1	2.83E+2	0.00E+0	4.06E+0	0.00E+0	7.72E+0	6.41E+4	-7.72E+0	-1.37E+1	4.06E+0	0.00E+0	0.00E+0	0.00E+0	-1.38E+3	
HNB126U	-2.18E+1	-1.91E+0	2.41E+3	1.65E+0	0.00E+0	0.00E+0	-3.90E+1	1.21E+2	2.51E+3	-1.07E+1	0.00E+0	2.28E+8	2.55E+0	-2.42E+0	3.53E+1	-1.79E+1	0.00E+0	0.00E+0	0.00E+0	3.52E+1	8.13E+8	-7.20E+0	0.00E+0	1.68E+8	-3.65E+1	-3.22E+2	2.35E+9	3.98E+1	0.00E+0	8.25E+0	-6.21E+4	8.25E+0	-1.43E+1	3.98E+0	0.00E+0	0.00E+0	0.00E+0	-1.37E+3
HNB126Z	-1.49E+1	-4.32E+1	4.90E+3	-4.52E+1	0.00E+0	0.00E+0	4.92E+1	-1.53E+2	6.18E+3	7.45E+2	0.00E+0	2.28E+8	1.21E+0	-1.65E+0	2.17E+1	-1.02E+1	0.00E+0	0.00E+0	2.48E+1	8.13E+8	-7.20E+0	0.00E+0	2.66E+0	-1.55E+1	2.10E+2	4.95E+9	4.72E+1	0.00E+0	6.58E+0	-4.06E+4	6.58E+0	-1.12E+1	4.95E+0	0.00E+0	0.00E+0	0.00E+0	-9.81E+2	
HNB127H	-2.34E+1	-7.76E+1	3.37E+3	6.33E+1	0.00E+0	0.00E+0	-4.92E+1	3.35E+2	3.70E+3	-1.16E+1	0.00E+0	2.28E+8	2.55E+0	-2.62E+0	7.95E+3	1.02E+1	0.00E+0	0.00E+0	0.00E+0	3.52E+1	8.13E+8	-7.20E+0	0.00E+0	1.68E+8	-3.65E+1	-3.22E+2	2.35E+9	3.98E+1	0.00E+0	7.91E+0	-6.83E+4	7.91E+0	-1.48E+1	3.98E+0	0.00E+0	0.00E+0	0.00E+0	-1.61E+3
HNB160H	-1.76E+1	2.36E+0	3.66E+2	3.73E+1	0.00E+0	0.00E+0	4.44E+1	1.73E+2	4.60E+3	-1.07E+1	0.00E+0	0.00E+0	3.07E+0	2.06E+0	-2.39E+2	-1.76E+1	0.00E+0	0.00E+0	3.52E+1	0.00E+0	2.38E+1	0.00E+0	1.87E+1	4.07E+1	3.24E+2	0.00E+0	5.03E+0	0.00E+0	2.38E+1	-0.82E+4	2.38E+1	-1.26E+1	5.03E+0	0.00E+0	0.00E+0	0.00E+0	-1.46E+3	
HNB160U	-1.80E+1	3.12E+0	2.44E+2	3.06E+0	0.00E+0	0.00E+0	4.52E+1	1.73E+2	4.96E+3	-1.13E+1	0.00E+0	0.00E+0	3.10E+0	2.02E+0	-6.59E+1	2.47E+1	0.00E+0	0.00E+0	4.82E+1	0.00E+0	3.35E+1	0.00E+0	1.33E+1	4.52E+1	3.43E+2	0.00E+0	8.53E+0	0.00E+0	3.35E+1	-6.09E+4	3.35E+1	-1.15E+1	8.53E+0	0.00E+0	0.00E+0	0.00E+0	-1.99E+3	
HNB160Z	-1.06E+1	-1.94E+0	8.54E+4	1.06E+0	0.00E+0	0.00E+0	-2.89E+1	1.07E+2	7.63E+4	-6.62E+0	0.00E+0	2.28E+8	1.07E+0	-1.22E+0	2.97E+1	-1.08E+1	0.00E+0	0.00E+0	1.97E+1	-8.13E+8	-1.38E+1	0.00E+0	3.21E+8	-1.74E+1	-1.82E+2	1.35E+9	3.97E+1	0.00E+0	1.38E+1	-3.11E+4	1.38E+1	-1.74E+1	3.97E+0	0.00E+0	0.00E+0	0.00E+0	-7.85E+2	
HNB161H	-2.43E+1	8.12E+1	8.74E+3	-7.27E+1	0.00E+0	0.00E+0	4.95E+1	-1.47E+2	9.58E+3	-1.18E+1	0.00E+0	2.28E+8	2.67E+0	2.78E+0	7.32E+2	2.07E+1	0.00E+0	0.00E+0	3.02E+1	8.13E+8	-8.15E+0	0.00E+0	4.70E+0	3.90E+1	3.25E+2	4.95E+9	4.22E+1	0.00E+0	6.15E+0	-2.22E+4	6.15E+0	-1.49E+1	4.22E+0	0.00E+0	0.00E+0	0.00E+0	-1.62E+3	
HNB161Z	-1.52E+1	-0.28E+1	-1.15E+3	-0.96E+1	0.00E+0	0.00E+0	6.75E+1	2.55E+2	1.58E+3	7.59E+0	0.00E+0	3.20E+8	1.23E+0	1.78E+0	-1.76E+0	-1.04E+1	-1.54E+1	0.00E+0	0.00E+0	0.00E+0	-8.13E+8	-1.63E+1	0.00E+0	5.21E+8	-3.33E+1	2.60E+2	4.95E+9	6.52E+1	0.00E+0	6.04E+0	-7.40E+4	6.04E+0	-1.26E+1	6.52E+0	0.00E+0	0.00E+0	0.00E+0	-9.74E+2
HNB162H	-2.43E+1	8.12E+1	8.74E+3	-7.27E+1	0.00E+0	0.00E+0	4.95E+1	-1.47E+2	9.58E+3	-1.18E+1	0.00E+0	2.28E+8	2.67E+0	2.78E+0	7.32E+2	2.07E+1	0.00E+0	0.00E+0	3.02E+1	8.13E+8	-8.15E+0	0.00E+0	4.70E+0	3.90E+1	3.25E+2	4.95E+9	4.22E+1	0.00E+0	6.15E+0	-2.22E+4	6.15E+0	-1.49E+1	4.22E+0	0.00E+0	0.00E+0	0.00E+0	-1.62E+3	
HNB200H	7.06E+0	-4.93E+1	2.09E+0	-5.14E+1	0.00E+0	0.00E+0	2.70E+0	3.32E+4	9.87E+3	-5.16E+0	0.00E+0	0.00E+0	8.44E+0	7.82E+0	-4.68E+1	4.54E+0	0.00E+0	0.00E+0	9.34E+0	0.00E+0	-1.01E+1	0.00E+0	1.43E+0	-8.91E+0	-3.27E+3	0.00E+0	3.59E+0	0.00E+0	-1.01E+1	-1.81E+5	-1.01E+1	-1.37E+1	3.59E+0	0.00E+0	0.00E+0	0.00E+0	-3.61E+2	
HNB200U	1.15E+0	3.38E+1	3.07E+2	3.07E+1	0.00E+0	0.00E+0	4.92E+1	3.32E+4	1.05E+2	1.63E+0	0.00E+0	0.00E+0	8.34E+0	8.29E+0	4.24E+1	1.78E+0	0.00E+0	0.00E+0	6.43E+1	0.00E+0	-1.01E+1	0.00E+0	3.64E+0	3.72E+0	-1.34E+3	0.00E+0	4.28E+1	0.00E+0	-1.38E+1	-1.78E+5	-1.38E+1	-1.58E+1	4.28E+1	0.00E+0	0.00E+0	0.00E+0	-5.11E+1	
HNB200Z	-1.26E+1	-1.11E+0	-6.95E+4	1.06E+0	0.00E+0	0.00E+0	3.27E+1	1.26E+2	-1.13E+3	4.36E+0	0.00E+0	2.28E+8	1.16E+0	-1.41E+0	3.94E+1	-1.26E+1	0.00E+0	0.00E+0	2.02E+1	8.13E+8	-1.63E+1	0.00E+0	3.64E+0	-1.72E+1	-1.67E+2	3.35E+9	4.32E+0	0.00E+0	5.78E+1	-1.67E+4	5.78E+1	-1.58E+1	4.32E+0	0.00E+0	0.00E+0	0.00E+0	-7.62E+2	
HNB201H	-2.09E+1	3.83E+1	-1.10E+3	3.84E+1	0.00E+0	0.00E+0	-4.18E+1	2.14E+2	7.39E+3	-1.04E+1	0.00E+0	0.00E+0	2.46E+0	2.48E+0	-4.97E+2	-1.96E+1	0.00E+0	0.00E+0	3.34E+1	0.00E+0	-1.32E+0	0.00E+0	3.49E+0	-3.41E+1	-3.01E+2	0.00E+0	2.83E+0	0.00E+0	-1.32E+1	-6.15E+4	1.32E+1	-1.51E+1	2.83E+0	0.00E+0	0.00E+0	0.00E+0	-1.46E+3	
HNB201U	-2.34E+1	-6.99E+1	4.35E+3	-6.01E+1	0.00E+0	0.00E+0	4.70E+1	2.32E+2	8.15E+3	-1.16E+1	0.00E+0	2.28E+8	2.59E+0	2.63E+0	1.13E+2	2.05E+1	0.00E+0	0.00E+0	3.02E+1	8.13E+8	-7.70E+0	0.00E+0	2.94E+0	3.85E+1	3.22E+2	4.95E+9	3.98E+1	0.00E+0	7.70E+0	-6.83E+4	7.70E+0	-1.42E+1	3.98E+0	0.00E+0	0.00E+0	0.00E+0	-1.61E+3	
HNB201Z	-1.51E+1	-8.90E+1	8.43E+3	-8.46E+1	0.00E+0	0.00E+0	-2.89E+1	1.54E+2	5.19E+3	-7.56E+2	0.00E+0	2.28E+8	1.21E+0	-1.72E+0	2.97E+1	-1.03E+1	0.00E+0	0.00E+0	2.47E+1	-8.13E+8	-8.23E+0	0.00E+0	1.44E+0	-1.66E+1	2.10E+2	4.95E+9	4.84E+0	0.00E+0	8.23E+0	-1.11E+4	8.23E+0	-1.26E+1	4.84E+0	0.00E+0	0.00E+0	0.00E+0	-9.74E+2	
HNB202H	-1.71E+1	5.50E+1	4.01E+3	-1.84E+1	0.00E+0	0.00E+0	3.95E+1	-1.79E+2	4.86E+3	8.44E+2	0.00E+0	0.00E+0	2.35E+0	2.04E+0	-1.80E+1	-1.85E+1	0.00E+0	0.00E+0	3.02E+1	0.00E+0	-7.31E+0	0.00E+0	5.32E+0	3.42E+1	2.59E+2	0.00E+0	4.50E+0	0.00E+0	7.31E+0	2.22E+4	7.31E+0	-1.33E+1	4.50E+0	0.00E+0	0.00E+0	0.00E+0	-1.39E+3	
HNB250H	1.17E+0	1.13E+0	9.56E+2	1.07E+0	0.00E+0	0.00E+0	3.36E+1	1.57E+2	1.17E+3	1.12E+0	0.00E+0	0.00E+0	8.25E+0	7.47E+0	-4.31E+1	4.09E+0	0.00E+0	0.00E+0	2.38E+0	0.00E+0	8.99E+0	0.00E+0	1.82E+0	2.66E+0	3.42E+3	0.00E+0	2.18E+0	0.00E+0	8.99E+0	2.26E+4	8.99E+0	-2.11E+1	2.66E+0	0.00E+0	0.00E+0	0.00E+0	-9.57E+1	
HNB250U	-1.65E+1	3.35E+1	-7.85E+4	3.35E+1	0.00E+0	0.00E+0	3.31E+1	-1.70E+2	6.31E+3	8.21E+2	0.00E+0	0.00E+0	-1.95E+0	-1.97E+0	3.99E+2	-1.22E+1	0.00E+0	0.00E+0	2.69E+1	0.00E+0	-9.92E+1	0.00E+0	2.76E+0	2.70E+1	-2.38E+2	0.00E+0	2.23E+0	0.00E+0	6.92E+1	-4.87E+4	6.92E+1	-3.22E+0	2.23E+0	0.00E+0	0.00E+0	0.00E+0	-1.18E+3	
HNB250Z	-1.16E+1	-0.20E+1	3.50E+3	0.25E+1	0.00E+0	0.00E+0	-2.95E+1	1.18E+2	1.03E+3	5.74E+2	0.00E+0	2.28E+8	8.69E+0	-1.32E+0	2.34E+1	-1.10E+1	0.00E+0	0.00E+0	1.99E+1	8.13E+8	-1.23E+1	0.00E+0	1.82E+0	-3.47E+1	-1.67E+2	3.35E+9	3.69E+0	0.00E+0	1.23E+1	-3.23E+4	1.23E+1	-1.07E+1	3.69E+0	0.00E+0	0.00E+0	0.00E+0	-7.85E+2	
HNB251H	-2.09E+1	2.92E+1	-1.96E+3	2.94E+1	0.00E+0	0.00E+0	-4.18E+1	2.14E+2	8.03E+3	-1.04E+1	0.00E+0	0.00E+0	2.46E+0	2.48E+0	-4.97E+2	-1.96E+1	0.00E+0	0.00E+0	3.34E+1	0.00E+0	-1.32E+0	0.00E+0	3.49E+0	-3.41E+1	-3.01E+2	0.00E+0	2.83E+0	0.00E+0	-1.32E+1	-6.15E+4	1.32E+1	-1.51E+1	2.83E+0	0.00E+0	0.00E+0	0.00E+0	-1.46E+3	
HNB251U	-2.42E+1	-4.20E+1	8.52E+3	-4.32E+1	0.00E+0	0.00E+0	4.72E+1	2.43E+2	8.19E+3	-1.16E+1	0.00E+0	2.28E+8	2.62E+0	2.77E+0	1.46E+2	2.07E+1	0.00E+0	0.00E+0	3.02E+1	8.13E+8	-8.42E+0	0.00E+0	2.94E+0	3.66E+1	3.24E+2	4.95E+9	4.02E+0	0.00E+0	6.40E									

HNS125BR	4.37E-02	-8.99E-01	8.24E-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	1.29E-02	7.05E+00	0.00E+00	0.00E+00	-1.58E+01	-1.14E+00	-1.14E+01	0.00E+00	3.27E-08	-1.69E-01	-1.47E-02	7.32E-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	4.46E-02	-8.48E-01	-7.51E-03	-6.94E-01	0.00E+00	0.00E+00	-1.92E+01	8.89E-03	8.95E-04	-4.31E-02	0.00E+00	-1.54E-08	-1.39E-08	7.42E-07	9.92E-02	4.29E+00	0.00E+00	0.00E+00	-1.81E+01	-5.51E+00	-1.05E+01	0.00E+00	2.04E-08	-1.69E-01	-1.41E-02	8.63E-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	4.46E-02	-8.57E-01	-7.41E-03	-7.38E-01	0.00E+00	0.00E+00	-1.95E+01	8.00E-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+00	-1.08E+01	0.00E+00	3.25E-08	-1.41E-01	-1.21E-02	7.52E-09	-1.61E+00	0.00E+00	-1.08E+01	-1.69E-04	-1.08E+01	-1.21E+01	-1.61E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-02
HNS126BC	4.86E-02	-8.29E-01	-8.45E-03	-6.71E-01	0.00E+00	0.00E+00	-2.09E+01	7.75E-03	1.11E-04	-4.87E-02	0.00E+00	-1.54E-08	-1.41E-08	-7.96E-07	1.66E-02	8.02E+00	0.00E+00	0.00E+00	-1.87E+01	-5.51E+00	-1.07E+01	0.00E+00	1.53E-08	-1.76E-01	-1.47E-02	8.63E-09	-2.03E+00	0.00E+00	-1.07E+01	-2.14E-04	-1.07E+01	-1.28E+01	-2.03E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-02
HNS126BR	7.21E-02	-9.12E-01	-8.12E-03	-8.01E-01	0.00E+00	0.00E+00	-2.29E+01	8.51E-03	5.17E-05	-5.70E-02	0.00E+00	3.20E-08	-1.45E-08	-1.72E-07	1.17E-01	6.10E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E+00	-1.04E+01	0.00E+00	3.23E-08	-1.86E-01	-1.62E-02	8.22E-09	-2.08E+00	0.00E+00	-1.14E+01	-2.14E-04	-1.14E+01	-1.28E+01	-2.14E+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	8.74E-03	7.12E-02	0.00E+00	-1.54E-08	-2.25E-08	-1.48E-08	5.93E-02	1.07E+01	0.00E+00	0.00E+00	-1.89E+01	-5.51E+00	-1.14E+01	0.00E+00	2.09E-08	-2.63E-01	-1.75E-02	8.63E-09	-2.21E+00	0.00E+00	-1.14E+01	-3.68E-04	-1.14E+01	-1.39E+01	-2.21E+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	8.84E-03	2.29E-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+00	-1.11E+01	0.00E+00	3.09E-08	-1.79E-01	-1.54E-02	7.92E-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	-2.18E+01	1.25E-02	4.63E-03	7.12E-02	0.00E+00	-1.54E-08	-2.25E-08	-1.45E-08	5.43E-02	1.07E+01	0.00E+00	0.00E+00	-1.79E+01	-5.51E+00	-1.13E+01	0.00E+00	1.89E-08	-2.52E-01	-1.68E-02	8.63E-09	-2.27E+00	0.00E+00	-1.13E+01	-3.64E-04	-1.13E+01	-1.39E+01	-2.27E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-02
HNS160BC	5.13E-02	-8.30E-01	-8.37E-03	-7.41E-01	0.00E+00	0.00E+00	-2.18E+01	8.72E-03	1.88E-03	-3.71E-02	0.00E+00	-1.54E-08	-1.45E-08	-6.38E-07	1.50E-01	6.10E+00	0.00E+00	0.00E+00	-1.62E+01	-5.51E+00	-1.07E+01	0.00E+00	2.14E-08	-1.59E-01	-1.17E-02	8.32E-09	-2.11E+00	0.00E+00	-1.07E+01	-2.55E-04	-1.07E+01	-1.22E+01	-2.11E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-02
HNS160BR	7.21E-02	-8.93E-01	-8.10E-03	-8.17E-01	0.00E+00	0.00E+00	-2.19E+01	8.71E-03	1.47E-03	-6.03E-02	0.00E+00	3.20E-08	-1.46E-08	-1.47E-07	9.04E-02	7.95E+00	0.00E+00	0.00E+00	-1.66E+01	-1.14E+00	-1.09E+01	0.00E+00	3.21E-08	-1.87E-01	-1.51E-02	7.52E-09	-2.16E+00	0.00E+00	-1.09E+01	-2.39E-04	-1.09E+01	-1.22E+01	-2.16E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-02
HNS160DC	7.11E-02	-8.49E-01	-1.01E-02	-8.71E-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	-8.55E-07	-1.05E-02	6.75E+00	0.00E+00	0.00E+00	-1.87E+01	-5.51E+00	-1.07E+01	0.00E+00	2.15E-08	-1.72E-01	-1.44E-02	8.63E-09	-2.16E+00	0.00E+00	-1.07E+01	-2.15E-04	-1.07E+01	-1.23E+01	-2.16E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-02
HNS160DR	5.99E-02	-8.55E-01	-8.25E-03	-8.75E-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	-1.36E-08	-8.06E-07	1.08E-02	6.85E+00	0.00E+00	0.00E+00	-1.49E+01	-1.14E+00	-1.04E+01	0.00E+00	3.25E-08	-1.50E-01	-1.22E-02	7.52E-09	-2.16E+00	0.00E+00	-1.04E+01	-1.99E-04	-1.04E+01	-1.20E+01	-2.16E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-02
HNS161BC	1.28E-01	-8.94E-01	-1.56E-02	-1.72E-01	0.00E+00	0.00E+00	-2.25E+01	1.28E-02	4.86E-03	7.32E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-08	6.12E-01	1.02E+01	0.00E+00	0.00E+00	-1.83E+01	-5.51E+00	-1.09E+01	0.00E+00	2.01E-08	-2.45E-01	-1.72E-02	8.63E-09	-2.27E+00	0.00E+00	-1.10E+01	-3.72E-04	-1.10E+01	-1.34E+01	-2.27E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-02
HNS161BR	7.21E-02	-8.93E-01	-8.01E-03	-8.17E-01	0.00E+00	0.00E+00	-2.25E+01	8.71E-03	1.41E-03	-5.41E-02	0.00E+00	3.20E-08	-1.46E-08	-1.47E-07	9.04E-02	7.95E+00	0.00E+00	0.00E+00	-1.66E+01	-1.14E+00	-1.09E+01	0.00E+00	3.21E-08	-1.87E-01	-1.51E-02	7.52E-09	-2.16E+00	0.00E+00	-1.09E+01	-2.39E-04	-1.09E+01	-1.22E+01	-2.16E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-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-08	6.12E-02	9.77E+00	0.00E+00	0.00E+00	-1.79E+01	-5.51E+00	-1.04E+01	0.00E+00	1.79E-08	-2.18E-01	-1.56E-02	8.63E-09	-2.26E+00	0.00E+00	-1.04E+01	-2.91E-04	-1.04E+01	-1.27E+01	-2.26E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-02
HNS161DR	7.99E-02	-8.02E-01	-8.61E-03	-7.45E-01	0.00E+00	0.00E+00	-2.20E+01	8.49E-03	2.88E-04	-5.37E-02	0.00E+00	3.20E-08	-1.45E-08	-1.02E-08	1.39E-02	6.93E+00	0.00E+00	0.00E+00	-1.72E+01	-1.14E+00	-1.09E+01	0.00E+00	3.06E-08	-1.73E-01	-1.59E-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	7.92E-02
HNS162DC	1.28E-01	-8.94E-01	-1.56E-02	-1.74E-01	0.00E+00	0.00E+00	-2.25E+01	1.28E-02	4.86E-03	7.32E-02	0.00E+00	-1.54E-08	-2.22E-08	-1.51E-08	6.12E-01	1.02E+01	0.00E+00	0.00E+00	-1.81E+01	-5.51E+00	-1.07E+01	0.00E+00	1.82E-08	-2.45E-01	-1.68E-02	8.63E-09	-2.27E+00	0.00E+00	-1.09E+01	-3.72E-04	-1.09E+01	-1.29E+01	-2.27E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-02
HNT050DR	-1.68E-01	-9.20E-01	-1.53E-02	-9.27E-01	0.00E+00	0.00E+00	-2.19E+01	1.151E-02	4.35E-03	9.02E-02	0.00E+00	-1.54E-08	-2.54E-08	-1.75E-08	1.45E-02	1.07E+01	0.00E+00	0.00E+00	-2.12E+01	-5.51E+00	-1.13E+01	0.00E+00	1.28E-08	-2.79E-01	-2.09E-02	8.63E-09	-2.35E+00	0.00E+00	-1.13E+01	-4.35E-04	-1.13E+01	-1.42E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-02
HNT051DR	-2.16E-01	-7.93E-01	-1.59E-03	-7.88E-01	0.00E+00	0.00E+00	-2.02E+01	1.22E-02	8.67E-03	-1.11E-01	0.00E+00	3.82E-08	-2.48E-08	-2.52E-08	2.17E-02	1.44E+01	0.00E+00	0.00E+00	-2.91E+01	-1.36E+00	-9.94E+00	0.00E+00	2.51E-08	-2.96E-01	-2.71E-02	8.99E-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	-2.09E+01	1.51E-02	4.35E-03	9.02E-02	0.00E+00	-1.54E-08	-2.54E-08	-1.75E-08	1.45E-02	1.07E+01	0.00E+00	0.00E+00	-2.12E+01	-5.51E+00	-1.13E+01	0.00E+00	1.28E-08	-2.79E-01	-2.09E-02	8.63E-09	-2.35E+00	0.00E+00	-1.13E+01	-4.35E-04	-1.13E+01	-1.42E+01	-2.35E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-02
HNT064DR	-2.16E-01	-7.93E-01	-1.59E-03	-7.88E-01	0.00E+00	0.00E+00	-2.02E+01	1.22E-02	8.67E-03	-1.11E-01	0.00E+00	3.82E-08	-2.48E-08	-2.52E-08	2.17E-02	1.44E+01	0.00E+00	0.00E+00	-2.91E+01	-1.36E+00	-9.94E+00	0.00E+00	2.51E-08	-2.96E-01	-2.71E-02	8.99E-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	-1.05E+00	0.00E+00	0.00E+00	-4.81E+01	-1.32E-02	9.01E-03	-1.19E-01	0.00E+00	2.97E-08	2.79E-08	-1.51E-08	1.24E-02	1.02E+01	0.00E+00	0.00E+00	-3.07E+01	-2.83E-02	-1.45E+01	0.00E+00	3.46E-08	-2.34E-01	-2.81E-02	1.87E-09	-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	-1.29E-01	-1.29E+00	-1.58E-03	-1.05E+00	0.00E+00	0.00E+00	-4.81E+01	-1.32E-02	8.61E-03	-1.19E-01	0.00E+00	2.97E-08	2.79E-08	-1.51E-08	1.24E-02	1.02E+01	0.00E+00	0.00E+00	-3.07E+01	-2.83E-02	-1.45E+01	0.00E+00	3.46E-08	-2.34E-01	-2.81E-02	1.87E-09	-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	1.07E-03
HNT101BR	2.18																																				

