



## Product Environmental Profile

### MCCB h3+ P250 TM 4x250A 40kA



#### Company information

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#### References covered

For the complete list of the covered references, see details in Appendix 1.

#### 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](http://www.pep-ecopassport.org)

#### Reference product

**Reference product identification**  
HNT251DR

**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 220-690 V, rated current 250A, with 4 poles and the differential protection type 4P4D N:0/100%, for commercial and industrial application area, according to the appropriate use scenario, and during the 20-year reference service life of the product.'

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	%
PA6	156.96	6.5%	Stainless steel	188.10	7.8%	Cardboard	319.80	13.3%
PA66	140.49	5.8%	Brass	186.78	7.7%	Glass	261.47	10.8%
PET	114.20	4.7%	Steel	521.89	21.6%	Polyester Resin	119.78	5.0%
PC	20.96	0.9%	Copper	171.60	7.1%	Wood	57.28	2.4%
PPE	15.82	0.7%	Other	24.88	1.0%	Melamine cyanurate	51.15	2.1%
Other	43.58	1.8%				Other	16.11	0.7%
Total mass of reference product with raw material packaging :			2410.84 g					
Total mass of reference product (Product + packaging)			2291.26 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
12.675	30.0%	0	70.0%

Power consumption / not load dependent					
Active Sleep phase		Passive Sleep phase		Turn off phase	
Watt	% of time	Watt	% of time	Watt	% of time
0	0.0%	0	0.0%	0	100.0%

This corresponds to a total energy consumption of 666.20 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: 50%. 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 6.3.2-2 with the database version CODDE-2025-04.

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.	1.56E-01	6.02E-04	1.01E-03	1.41E+00	2.64E-02	1.59E+00	-2.02E-01
Climate change - Total (PEF-GWP)	kg CO2 eq.	1.64E+01	3.81E-01	7.88E-01	2.69E+02	3.09E+00	2.90E+02	-3.55E+00
Climate change-Biogenic (PEF-GWpB)	kg CO2 eq.	-2.42E-01	1.56E-06	4.71E-01	5.95E+00	3.31E-01	6.51E+00	-8.60E-02
Climate change-Fossil (PEF-GWpF)	kg CO2 eq.	1.66E+01	3.81E-01	3.17E-01	2.63E+02	2.76E+00	2.83E+02	-3.46E+00
Climate change-Land use and land use change (PEF-GWpLU)	kg CO2 eq.	3.73E-05	5.76E-07	2.51E-09	0.00E+00	1.55E-08	3.79E-05	0.00E+00
Ecotoxicity, freshwater (PEF-CTUe)	CTUe	7.82E+03	1.11E+01	4.48E+00	4.04E+02	2.29E+01	8.26E+03	-5.29E+01
EF-particulate Matter (PEF-PM)	Incidence of diseases	1.17E-06	5.16E-09	5.95E-09	1.10E-05	1.25E-07	1.23E-05	-5.13E-07
Eutrophication, freshwater (PEF-Epf)	kg P eq.	1.45E-04	1.42E-06	4.36E-06	6.45E-04	4.27E-05	8.38E-04	-1.95E-02
Eutrophication, marine (PEF-Epm)	kg N eq.	1.33E-02	1.09E-04	4.10E-04	1.65E-01	1.45E-02	1.93E-01	-1.01E-02
Eutrophication, terrestrial (PEF-Ept)	mole of N eq.	1.41E-01	1.20E-03	3.03E-03	2.64E+00	2.74E-02	2.82E+00	-1.27E-01
Human toxicity, cancer (PEF-CTUh-c)	CTUh	1.89E-06	7.47E-11	3.46E-08	3.33E-08	6.75E-09	1.96E-06	-4.50E-08
Human toxicity, non-cancer (PEF-CTUh-nc)	CTUh	1.33E-06	1.42E-09	9.81E-10	7.89E-07	1.66E-07	2.29E-06	-2.28E-06
Ionising radiation, human health (PEF-IR)	kg Bq U235 eq.	5.07E+00	1.35E-02	4.75E-02	3.52E+02	1.57E-01	3.58E+02	-7.48E-02
Land use (PEF-LU)	No dimension	1.51E-01	1.63E-03	1.12E-03	7.14E+00	6.08E+00	1.34E+01	-4.05E+01
Ozone depletion (PEF-ODP)	kg CFC-11 eq.	3.94E-06	4.62E-09	4.69E-09	1.15E-06	2.07E-07	5.31E-06	-1.66E-07
Photochemical ozone formation - human health (PEF-POCP)	kg of NMVOC eq.	4.79E-02	3.87E-04	6.90E-04	5.23E-01	7.94E-03	5.80E-01	-3.86E-02
Resource use, fossils (PEF-ADPfi)	MJ	4.32E+02	6.77E+00	3.30E+00	6.46E+03	2.92E+01	6.93E+03	-3.48E+01
Resource use, minerals and metals (PEF-ADPe)	kg Sb eq.	1.41E-03	1.36E-07	1.72E-08	8.73E-05	7.80E-06	1.51E-03	-5.93E-04
Water use (PEF-WU)	m3 eq.	7.18E+00	1.37E-02	2.78E-02	2.04E+01	8.51E+02	8.79E+02	-2.67E+03

### 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	1.68E-01	3.19E-04	2.11E-03	4.77E-01	2.20E+01	2.26E+01	-6.26E+01
Total primary energy	MJ	4.50E+02	6.79E+00	3.75E+00	7.97E+03	3.28E+01	8.46E+03	-4.44E+01
Total non renewable primary energy	MJ	4.32E+02	6.77E+00	3.30E+00	6.46E+03	2.92E+01	6.93E+03	-3.48E+01
Total renewable primary energy	MJ	1.83E+01	2.13E-02	4.46E-01	1.51E+03	3.54E+00	1.53E+03	-9.51E+00
Non renewable primary energy used as energy	MJ	4.09E+02	6.77E+00	3.30E+00	6.46E+03	2.92E+01	6.91E+03	-3.48E+01
Non renewable primary energy used as raw material	MJ	2.26E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E+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	1.12E+01	2.13E-02	4.46E-01	1.51E+03	3.54E+00	1.53E+03	-9.51E+00
Renewable primary energy used as raw material	MJ	7.06E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E+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	6.96E+01	1.59E-03	1.89E-02	7.43E+00	1.28E-01	7.72E+01	0.00E+00
Non hazardous waste disposed	kg	3.24E+00	3.54E-02	9.11E-02	4.06E+01	1.78E-02	4.40E+01	0.00E+00
Radioactive waste disposed	kg	6.41E-04	2.80E-05	2.08E-05	9.57E-03	7.61E-06	1.03E-02	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for energy recovery	kg	2.61E-02	0.00E+00	2.95E-02	0.00E+00	3.27E-05	5.56E-02	0.00E+00
Materials for recycling	kg	5.07E-01	0.00E+00	2.41E-01	0.00E+00	2.98E-04	7.48E-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	3.20E-01	1.47E-02	5.73E-02	3.92E-01
Biogenic carbon content (declared unit)	kg of C	8.95E-02	5.54E-03	2.26E-02	1.18E-01
Biogenic carbon content (functional unit)	kg of C	8.95E-02	5.54E-03	2.26E-02	1.18E-01
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

Additional references (see Appendix) covered by PEP, the environmental impacts for each phase and indicator are derived from life-cycle analysis (LCA). The impact values are either directly calculated by LCA or by extrapolation following PEP Ecopassport rules. However, some of the detailed conditions applied in those cases may differ from the main reference.

### Verification

Registration N°: HAGE-01434-V01.01-EN	Drafting Rules	PEP-PCR-ed4-2021 09 06
	Supplemented by	PSR-0005-ed3.1-2023 12 08
Verifier accreditation N°: VH63	Information and reference documents: <a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>	
Date of issue: 11-2025	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

	Acidification (PEF-AP) - [mole H+ eq.]	Climate change - Total (PEF-GWP) - [kg CO2 eq.]	Climate change-Biogenic (PEF-GWPb) - [kg CO2 eq.]	Climate change-Fossil (PEF-GWPF) - [kg CO2 eq.]	Climate change-Land use and land use change (PEF-GWPLU) - [kg CO2 eq.]	Components for re-use - [kg]	Ecotoxicity, freshwater (PEF-CTUw) - [CTUw]	Eutrophication, freshwater (PEF-EFw) - [kg P eq.]	Eutrophication, marine (PEF-EFm) - [kg N eq.]	Eutrophication, terrestrial (PEF-EFt) - [mole of N eq.]	Expended energy - [MJ]	Hazardous waste disposed - [kg]	Human toxicity, cancer (PEF-CTUh-c) - [CTUh]	Human toxicity, non-cancer (PEF-CTUhc) - [CTUh]	Ionising radiation, human health (PEF-IR) - [kg Bq U235 eq.]	Land use (PEF-LU)	Materials for energy recovery - [kg]	Materials for recycling - [kg]	Net use of fresh water - [m3]	Non hazardous waste disposed - [kg]	Non renewable primary energy used as energy - [MJ]	Non renewable primary energy used as raw material - [MJ]	Ozone depletion (PEF-ODP) - [kg CFC-11 eq.]	EF-particulate Matter (PEF-PM) - [Incidence of diseases]	Photochemical ozone formation - human health (PEF-POCP) - [kg of NMVOC eq.]	Radioactive waste disposed - [kg]	Renewable primary energy used as energy - [MJ]	Renewable primary energy used as raw material - [MJ]	Resource use, fossils (PEF-ADP) - [MJ]	Resource use, minerals and metals (PEF-ADPe) - [kg Sb eq.]	Total non renewable 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.]		
HNT251DR	1.56E+01	-2.40E+01	1.98E+01	3.73E+01	5.00E+01	7.82E+03	1.45E+04	1.33E+02	1.41E+01	0.00E+00	6.98E+01	1.86E+01	1.33E+04	5.07E+04	1.51E+01	2.61E+02	5.07E+01	1.68E+01	3.24E+02	4.08E+02	2.28E+01	3.94E+01	1.17E+04	4.76E+03	8.41E+04	1.02E+01	7.09E+02	4.32E+02	1.41E+03	4.32E+02	4.59E+01	1.83E+01	0.00E+00	0.00E+00	0.00E+00	1.18E+01		
CBF3F30RDD	1.13E+01	-4.86E+02	1.32E+01	6.67E+00	0.00E+00	2.11E+03	8.12E+04	1.98E+02	2.12E+01	9.72E+00	4.98E+01	1.40E+00	9.71E+01	6.57E+01	2.18E+00	1.32E+01	3.35E+01	1.24E+01	3.03E+02	3.02E+02	1.94E+01	4.10E+00	7.33E+02	6.36E+03	1.03E+03	4.46E+01	3.24E+02	2.98E+02	1.98E+03	3.01E+02	2.92E+01	8.82E+01	3.01E+02	8.82E+01	0.00E+00	0.00E+00	3.42E+01	4.59E+01
CBF3F40R	1.13E+01	-4.86E+02	1.32E+01	6.67E+00	0.00E+00	2.11E+03	8.12E+04	1.98E+02	2.12E+01	9.72E+00	4.98E+01	1.40E+00	9.71E+01	6.57E+01	2.18E+00	1.32E+01	3.35E+01	1.24E+01	3.03E+02	3.02E+02	1.94E+01	4.10E+00	7.33E+02	6.36E+03	1.03E+03	4.46E+01	3.24E+02	2.98E+02	1.98E+03	3.01E+02	2.92E+01	8.82E+01	3.01E+02	8.82E+01	0.00E+00	0.00E+00	3.42E+01	4.59E+01
CBF3F50R	1.13E+01	-4.86E+02	1.32E+01	6.67E+00	0.00E+00	2.11E+03	8.12E+04	1.98E+02	2.12E+01	9.72E+00	4.98E+01	1.40E+00	9.71E+01	6.57E+01	2.18E+00	1.32E+01	3.35E+01	1.24E+01	3.03E+02	3.02E+02	1.94E+01	4.10E+00	7.33E+02	6.36E+03	1.03E+03	4.46E+01	3.24E+02	2.98E+02	1.98E+03	3.01E+02	2.92E+01	8.82E+01	3.01E+02	8.82E+01	0.00E+00	0.00E+00	3.42E+01	4.59E+01
CBU2E15Y00	8.84E+02	-2.40E+02	1.17E+01	5.45E+00	0.00E+00	1.45E+03	5.23E+04	1.33E+02	1.52E+01	8.57E+00	3.37E+01	1.38E+00	7.35E+01	5.38E+01	1.93E+00	9.32E+01	2.78E+01	9.92E+02	2.37E+01	2.41E+02	7.82E+02	4.24E+01	5.51E+02	4.65E+03	7.65E+04	3.68E+01	2.80E+02	2.32E+02	8.82E+04	2.38E+02	2.26E+01	7.12E+01	0.00E+00	0.00E+00	4.22E+01	5.35E+01		
CBU2E20Y00	8.84E+02	-2.40E+02	1.17E+01	5.45E+00	0.00E+00	1.45E+03	5.23E+04	1.33E+02	1.52E+01	8.57E+00	3.37E+01	1.38E+00	7.35E+01	5.38E+01	1.93E+00	9.32E+01	2.78E+01	9.92E+02	2.37E+01	2.41E+02	7.82E+02	4.24E+01	5.51E+02	4.65E+03	7.65E+04	3.68E+01	2.80E+02	2.32E+02	8.82E+04	2.38E+02	2.26E+01	7.12E+01	0.00E+00	0.00E+00	4.22E+01	5.35E+01		
CBU2E30R00	8.84E+02	-2.40E+02	1.17E+01	5.45E+00	0.00E+00	1.45E+03	5.23E+04	1.33E+02	1.52E+01	8.57E+00	3.37E+01	1.38E+00	7.35E+01	5.38E+01	1.93E+00	9.32E+01	2.78E+01	9.92E+02	2.37E+01	2.41E+02	7.82E+02	4.24E+01	5.51E+02	4.65E+03	7.65E+04	3.68E+01	2.80E+02	2.32E+02	8.82E+04	2.38E+02	2.26E+01	7.12E+01	0.00E+00	0.00E+00	4.22E+01	5.35E+01		
CBU2E30Y00	8.84E+02	-2.40E+02	1.17E+01	5.45E+00	0.00E+00	1.45E+03	5.23E+04	1.33E+02	1.52E+01	8.57E+00	3.37E+01	1.38E+00	7.35E+01	5.38E+01	1.93E+00	9.32E+01	2.78E+01	9.92E+02	2.37E+01	2.41E+02	7.82E+02	4.24E+01	5.51E+02	4.65E+03	7.65E+04	3.68E+01	2.80E+02	2.32E+02	8.82E+04	2.38E+02	2.26E+01	7.12E+01	0.00E+00	0.00E+00	4.22E+01	5.35E+01		
CBU2E40R00	8.84E+02	-2.40E+02	1.17E+01	5.45E+00	0.00E+00	1.45E+03	5.23E+04	1.33E+02	1.52E+01	8.57E+00	3.37E+01	1.38E+00	7.35E+01	5.38E+01	1.93E+00	9.32E+01	2.78E+01	9.92E+02	2.37E+01	2.41E+02	7.82E+02	4.24E+01	5.51E+02	4.65E+03	7.65E+04	3.68E+01	2.80E+02	2.32E+02	8.82E+04	2.38E+02	2.26E+01	7.12E+01	0.00E+00	0.00E+00	4.22E+01	5.35E+01		
CBU2E40Y00	8.84E+02	-2.40E+02	1.17E+01	5.45E+00	0.00E+00	1.45E+03	5.23E+04	1.33E+02	1.52E+01	8.57E+00	3.37E+01	1.38E+00	7.35E+01	5.38E+01	1.93E+00	9.32E+01	2.78E+01	9.92E+02	2.37E+01	2.41E+02	7.82E+02	4.24E+01	5.51E+02	4.65E+03	7.65E+04	3.68E+01	2.80E+02	2.32E+02	8.82E+04	2.38E+02	2.26E+01	7.12E+01	0.00E+00	0.00E+00	4.22E+01	5.35E+01		
CBU2E50R00	8.84E+02	-2.40E+02	1.17E+01	5.45E+00	0.00E+00	1.45E+03	5.23E+04	1.33E+02	1.52E+01	8.57E+00	3.37E+01	1.38E+00	7.35E+01	5.38E+01	1.93E+00	9.32E+01	2.78E+01	9.92E+02	2.37E+01	2.41E+02	7.82E+02	4.24E+01	5.51E+02	4.65E+03	7.65E+04	3.68E+01	2.80E+02	2.32E+02	8.82E+04	2.38E+02	2.26E+01	7.12E+01	0.00E+00	0.00E+00	4.22E+01	5.35E+01		
CBU2E50Y00	8.84E+02	-2.40E+02	1.17E+01	5.45E+00	0.00E+00	1.45E+03	5.23E+04	1.33E+02	1.52E+01	8.57E+00	3.37E+01	1.38E+00	7.35E+01	5.38E+01	1.93E+00	9.32E+01	2.78E+01	9.92E+02	2.37E+01	2.41E+02	7.82E+02	4.24E+01	5.51E+02	4.65E+03	7.65E+04	3.68E+01	2.80E+02	2.32E+02	8.82E+04	2.38E+02	2.26E+01	7.12E+01	0.00E+00	0.00E+00	4.22E+01	5.35E+01		
CBU2EP15R00	8.84E+02	-2.40E+02	1.17E+01	5.45E+00	0.00E+00	1.45E+03	5.23E+04	1.33E+02	1.52E+01	8.57E+00	3.37E+01	1.38E+00	7.35E+01	5.38E+01	1.93E+00	9.32E+01	2.78E+01	9.92E+02	2.37E+01	2.41E+02	7.82E+02	4.24E+01	5.51E+02	4.65E+03	7.65E+04	3.68E+01	2.80E+02	2.32E+02	8.82E+04	2.38E+02	2.26E+01	7.12E+01	0.00E+00	0.00E+00	4.22E+01	5.35E+01		
CBU2F15R00	9.69E+02	-3.76E+02	1.34E+01	5.67E+00	0.00E+00	1.50E+03	5.36E+04	1.34E+02	1.55E+01	8.69E+00	3.72E+01	1.39E+00	8.13E+01	5.54E+01	1.93E+00	1.00E+02	3.57E+01	1.12E+01	2.61E+02	2.72E+02	7.82E+02	4.50E+01	6.26E+02	4.65E+03	7.65E+04	3.76E+01	2.91E+02	2.65E+02	1.01E+03	2.72E+02	2.65E+01	7.11E+01	0.00E+00	0.00E+00	4.32E+01	4.10E+01		
CBU2F15Y00	9.69E+02	-3.76E+02	1.34E+01	5.67E+00	0.00E+00	1.50E+03	5.36E+04	1.34E+02	1.55E+01	8.69E+00	3.72E+01	1.39E+00	8.13E+01	5.54E+01	1.93E+00	1.00E+02	3.57E+01	1.12E+01	2.61E+02	2.72E+02	7.82E+02	4.50E+01	6.26E+02	4.65E+03	7.65E+04	3.76E+01	2.91E+02	2.65E+02	1.01E+03	2.72E+02	2.65E+01	7.11E+01	0.00E+00	0.00E+00	4.32E+01	4.10E+01		
CBU2F20R00	9.69E+02	-3.76E+02	1.34E+01	5.67E+00	0.00E+00	1.50E+03	5.36E+04	1.34E+02	1.55E+01	8.69E+00	3.72E+01	1.39E+00	8.13E+01	5.54E+01	1.93E+00	1.00E+02	3.57E+01	1.12E+01	2.61E+02	2.72E+02	7.82E+02	4.50E+01	6.26E+02	4.65E+03	7.65E+04	3.76E+01	2.91E+02	2.65E+02	1.01E+03	2.72E+02	2.65E+01	7.11E+01	0.00E+00	0.00E+00	4.32E+01	4.10E+01		
CBU2F20Y00	9.69E+02	-3.76E+02	1.34E+01	5.67E+00	0.00E+00	1.50E+03	5.36E+04	1.34E+02	1.55E+01	8.69E+00	3.72E+01	1.39E+00	8.13E+01	5.54E+01	1.93E+00	1.00E+02	3.57E+01	1.12E+01	2.61E+02	2.72E+02	7.82E+02	4.50E+01	6.26E+02	4.65E+03	7.65E+04	3.76E+01	2.91E+02	2.65E+02	1.01E+03	2.72E+02	2.65E+01	7.11E+01	0.00E+00	0.00E+00	4.32E+01	4.10E+01		
CBU2F30R00	9.69E+02	-3.76E+02	1.34E+01	5.67E+00	0.00E+00	1.50E+03	5.36E+04	1.34E+02	1.55E+01	8.69E+00	3.72E+01	1.39E+00	8.13E+01	5.54E+01	1.93E+00	1.00E+02	3.57E+01	1.12E+01	2.61E+02	2.72E+02	7.82E+02	4.50E+01	6.26E+02	4.65E+03	7.65E+04	3.76E+01	2.91E+02	2.65E+02	1.01E+03	2.72E+02	2.65E+01	7.11E+01	0.00E+00	0.00E+00	4.32E+01	4.10E+01		
CBU2F30Y00	9.69E+02	-3.76E+02	1.34E+01	5.67E+00	0.00E+00	1.50E+03	5.36E+04	1.34E+02	1.55E+01	8.69E+00	3.72E+01	1.39E+00	8.13E+01	5.54E+01	1.93E+00	1.00E+02	3.57E+01	1.12E+01	2.61E+02	2.72E+02	7.82E+02	4.50E+01	6.26E+02	4.65E+03	7.65E+04	3.76E+01	2.91E+02	2.65E+02	1.01E+03	2.72E+02	2.65E+01	7.11E+01	0.00E+00	0.00E+00	4.32E+01	4.10E+01		
CBU2F40R00	9.69E+02	-3.76E+02	1.34E+01	5.67E+00	0.00E+00	1.50E+03	5.36E+04	1.34E+02	1.55E+01	8.69E+00	3.72E+01	1.39E+00	8.13E+01	5.54E+01	1.93E+00	1.00E+02	3.57E+01	1.12E+01	2.61E+02	2.72E+02	7.82E+02	4.50E+01	6.26E+02	4.65E+03	7.65E+04	3.76E+01	2.91E+02	2.65E+02	1.01E+03	2.72E+02	2.65E+01	7.11E+01	0.00E+00	0.00E+00	4.32E+01	4.10E+01		
CBU2F40Y00	9.69E+02	-3.76E+02	1.34E+01	5.67E+00	0.00E+00	1.50E+03	5.36E+04	1.34E+02	1.55E+01	8.69E+00	3.72E+01	1.39E+00	8.13E+01	5.54E+01	1.93E+00	1.00E+02	3.57E+01	1.12E+01	2.61E+02	2.72E+02	7.82E+02	4.50E+01	6.26E+02	4.65E+03	7.65E+04	3.76E+01	2.91E+02	2.65E+02	1.01E+03	2.72E+02	2.65E+01	7.11E+01	0.00E+00	0.00E+00	4.32E+01	4.10E+01		
CBU2F50R00	9.69E+02	-3.76E+02	1.34E+01	5.67E+00	0.00E+00	1.50E+03	5.36E+04	1.34E+02	1.55E+01	8.69E+00	3.72E+01	1.39E+00	8.13E+01	5.54E+01	1.93E+00	1.00E+02	3.57E+01	1.12E+01	2.61E+02	2.72E+02	7.82E+02	4.50E+01	6.26E+02	4.65E+03	7.65E+04	3.76E+01	2.91E+02	2.65E+02	1.01E+03	2.72E								

















HHA049P	8.81E-02	1.17E-01	-4.52E-02	1.18E-01	6.05E-02	0.00E+00	1.38E-03	5.15E-04	1.38E-02	1.58E-01	8.78E-03	3.34E-01	1.38E-01	7.33E-01	5.33E-01	1.33E-01	9.31E-03	3.78E-01	8.89E-02	2.41E-01	2.33E-02	7.34E-02	4.04E-02	5.49E-02	4.84E-02	7.65E-04	3.88E-02	2.81E-02	2.33E-02	9.88E-04	2.36E-02	2.28E-02	7.08E-03	0.00E+00	0.00E+00	4.11E-04	3.51E-02		
HHA050Z	1.23E-01	1.34E-01	-6.80E-02	1.38E-01	8.18E-02	0.00E+00	2.27E-03	9.15E-04	2.17E-02	2.37E-01	1.05E-02	4.43E-01	1.51E-01	1.06E-01	7.23E-01	2.51E-01	1.30E-01	4.49E-01	1.37E-01	3.34E-01	3.45E-02	4.12E-02	4.12E-02	4.83E-02	7.11E-02	1.14E-03	5.17E-02	1.38E-02	3.43E-02	1.06E-03	3.47E-02	3.33E-02	8.91E-03	0.00E+00	0.00E+00	4.11E-04	1.53E-02		
HHA061Z	4.51E-02	5.54E-02	-1.04E-01	6.46E-02	1.95E-01	0.00E+00	8.53E-03	3.10E-04	1.86E-02	8.65E-02	3.78E-03	9.33E-02	4.73E-01	2.95E-01	2.08E-01	8.85E-01	5.09E-02	1.68E-01	6.02E-02	1.11E-02	1.42E-02	4.12E-02	3.08E-02	3.07E-02	2.68E-03	4.41E-04	1.88E-02	2.02E-02	1.47E-02	1.84E-04	1.47E-02	1.51E-02	4.00E-03	0.00E+00	0.00E+00	1.00E-05	1.72E-02		
HHA062P	8.84E-02	1.06E-01	-3.30E-01	1.18E-01	6.05E-02	0.00E+00	1.38E-03	5.23E-04	1.38E-02	1.58E-01	8.78E-03	3.34E-01	1.38E-01	7.33E-01	5.33E-01	1.33E-01	9.31E-03	3.78E-01	8.89E-02	2.41E-01	2.33E-02	7.34E-02	4.04E-02	5.49E-02	4.84E-02	7.65E-04	3.88E-02	2.81E-02	2.33E-02	9.88E-04	2.36E-02	2.28E-02	7.08E-03	0.00E+00	0.00E+00	4.11E-04	3.51E-02		
HHA063B	1.23E-01	1.34E-01	-6.80E-02	1.38E-01	8.18E-02	0.00E+00	2.27E-03	9.15E-04	2.17E-02	2.37E-01	1.05E-02	4.43E-01	1.51E-01	1.06E-01	7.23E-01	2.51E-01	1.30E-01	4.49E-01	1.37E-01	3.34E-01	3.45E-02	4.12E-02	4.12E-02	4.83E-02	7.11E-02	1.14E-03	5.17E-02	1.38E-02	3.43E-02	1.06E-03	3.47E-02	3.33E-02	8.91E-03	0.00E+00	0.00E+00	4.11E-04	1.53E-02		
HHA063U	1.16E-01	1.35E-01	-6.30E-02	1.38E-01	5.23E-02	0.00E+00	2.26E-03	8.42E-04	2.34E-02	2.57E-01	8.68E-03	2.68E-01	1.39E-01	8.74E-01	5.95E-01	2.59E-01	1.17E-02	3.89E-01	1.07E-01	2.81E-02	3.26E-02	1.15E-01	3.61E-02	6.09E-02	7.15E-02	1.16E-03	4.26E-02	3.33E-02	3.37E-02	5.36E-04	3.37E-02	3.44E-02	7.95E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-02		
HHA063Z	1.28E-01	1.34E-01	-6.80E-02	1.38E-01	8.18E-02	0.00E+00	2.27E-03	9.15E-04	2.17E-02	2.37E-01	1.05E-02	4.43E-01	1.51E-01	1.06E-01	7.23E-01	2.51E-01	1.30E-01	4.49E-01	1.37E-01	3.34E-01	3.45E-02	4.12E-02	4.12E-02	4.83E-02	7.11E-02	1.14E-03	5.17E-02	1.38E-02	3.43E-02	1.06E-03	3.47E-02	3.33E-02	8.91E-03	0.00E+00	0.00E+00	4.11E-04	1.53E-02		
HHA064B	1.58E-01	1.58E-01	-4.40E-02	1.68E-01	7.95E-02	0.00E+00	3.24E-03	1.05E-04	3.23E-02	2.58E-01	1.43E-02	5.40E-01	1.48E-01	1.33E-01	9.24E-01	3.25E-01	1.58E-02	4.49E-01	1.73E-01	3.31E-02	3.93E-02	1.22E-01	4.13E-02	5.33E-02	7.23E-02	1.02E-03	5.45E-02	4.76E-02	3.45E-02										
HHA064U	1.62E-01	1.64E-01	-6.70E-02	1.72E-01	6.24E-02	0.00E+00	3.37E-03	1.23E-03	2.83E-02	3.35E-01	1.36E-02	5.48E-01	1.43E-01	1.31E-01	1.15E-01	1.37E-01	1.96E-02	4.91E-01	1.73E-01	3.35E-02	4.18E-02	1.24E-01	4.15E-02	1.91E-02	8.34E-02	1.23E-03	7.41E-02	4.67E-02	4.68E-02	1.23E-03	4.68E-02								
HHA064Z	1.62E-01	1.64E-01	-6.70E-02	1.72E-01	6.24E-02	0.00E+00	3.37E-03	1.23E-03	2.83E-02	3.35E-01	1.36E-02	5.48E-01	1.43E-01	1.31E-01	1.15E-01	1.37E-01	1.96E-02	4.91E-01	1.73E-01	3.35E-02	4.18E-02	1.24E-01	4.15E-02	1.91E-02	8.34E-02	1.23E-03	7.41E-02	4.67E-02	4.68E-02	1.23E-03	4.68E-02								
HHA078Z	1.62E-01	1.64E-01	-6.70E-02	1.72E-01	6.24E-02	0.00E+00	3.37E-03	1.23E-03	2.83E-02	3.35E-01	1.36E-02	5.48E-01	1.43E-01	1.31E-01	1.15E-01	1.37E-01	1.96E-02	4.91E-01	1.73E-01	3.35E-02	4.18E-02	1.24E-01	4.15E-02	1.91E-02	8.34E-02	1.23E-03	7.41E-02	4.67E-02	4.68E-02	1.23E-03	4.68E-02								
HHA080B	1.23E-01	1.34E-01	-6.80E-02	1.38E-01	8.18E-02	0.00E+00	2.27E-03	9.15E-04	2.17E-02	2.37E-01	1.05E-02	4.43E-01	1.51E-01	1.06E-01	7.23E-01	2.51E-01	1.30E-01	4.49E-01	1.37E-01	3.34E-01	3.45E-02	4.12E-02	4.12E-02	4.83E-02	7.11E-02	1.14E-03	5.17E-02	1.38E-02	3.43E-02	1.06E-03	3.47E-02	3.33E-02	8.91E-03	0.00E+00	0.00E+00	4.11E-04	1.53E-02		
HHA080U	1.16E-01	1.35E-01	-6.30E-02	1.38E-01	5.23E-02	0.00E+00	2.26E-03	8.42E-04	2.34E-02	2.57E-01	8.68E-03	2.68E-01	1.39E-01	8.74E-01	5.95E-01	2.59E-01	1.17E-02	3.89E-01	1.07E-01	2.81E-02	3.26E-02	1.15E-01	3.61E-02	6.09E-02	7.15E-02	1.16E-03	4.26E-02	3.33E-02	3.37E-02	5.36E-04	3.37E-02	3.44E-02	7.95E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-02		
HHA080Z	1.16E-01	1.35E-01	-6.30E-02	1.38E-01	5.23E-02	0.00E+00	2.26E-03	8.42E-04	2.34E-02	2.57E-01	8.68E-03	2.68E-01	1.39E-01	8.74E-01	5.95E-01	2.59E-01	1.17E-02	3.89E-01	1.07E-01	2.81E-02	3.26E-02	1.15E-01	3.61E-02	6.09E-02	7.15E-02	1.16E-03	4.26E-02	3.33E-02	3.37E-02	5.36E-04	3.37E-02	3.44E-02	7.95E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-02		
HHA081B	1.58E-01	1.58E-01	-4.40E-02	1.68E-01	7.95E-02	0.00E+00	3.24E-03	1.05E-04	3.23E-02	2.58E-01	1.43E-02	5.40E-01	1.48E-01	1.33E-01	9.24E-01	3.25E-01	1.58E-02	4.49E-01	1.73E-01	3.31E-02	3.93E-02	1.22E-01	4.13E-02	5.33E-02	7.23E-02	1.02E-03	5.45E-02	4.76E-02	3.45E-02										
HHA081S	1.58E-01	1.58E-01	-4.40E-02	1.68E-01	7.95E-02	0.00E+00	3.24E-03	1.05E-04	3.23E-02	2.58E-01	1.43E-02	5.40E-01	1.48E-01	1.33E-01	9.24E-01	3.25E-01	1.58E-02	4.49E-01	1.73E-01	3.31E-02	3.93E-02	1.22E-01	4.13E-02	5.33E-02	7.23E-02	1.02E-03	5.45E-02	4.76E-02	3.45E-02										
HHA081U	1.64E-01	1.58E-01	-1.26E-01	1.64E-01	5.30E-02	0.00E+00	3.44E-03	1.23E-03	2.78E-02	2.86E-01	1.13E-02	3.94E-01	1.15E-01	1.13E-01	1.25E-01	1.54E-01	1.48E-02	4.61E-01	1.42E-01	2.87E-02	3.98E-02	1.18E-01	3.95E-02	6.47E-02	8.38E-02	1.22E-03	5.47E-02	4.11E-02											
HHA081Z	1.58E-01	1.58E-01	-4.40E-02	1.68E-01	7.95E-02	0.00E+00	3.24E-03	1.05E-04	3.23E-02	2.58E-01	1.43E-02	5.40E-01	1.48E-01	1.33E-01	9.24E-01	3.25E-01	1.58E-02	4.49E-01	1.73E-01	3.31E-02	3.93E-02	1.22E-01	4.13E-02	5.33E-02	7.23E-02	1.02E-03	5.45E-02	4.76E-02	3.45E-02										
HHA082H	1.58E-01	1.64E-01	-1.05E-01	1.68E-01	5.31E-02	0.00E+00	3.44E-03	1.23E-03	2.78E-02	2.86E-01	1.18E-02	4.48E-01	8.33E-01	1.11E-01	1.07E-01	1.66E-01	1.58E-02	4.97E-01	1.44E-01	3.12E-02	4.03E-02	1.28E-01	3.97E-02	1.04E-02	8.47E-02	1.46E-03	5.68E-02	3.53E-02											
HHA098Z	1.24E-01	9.80E-02	-3.80E-02	9.30E-02	2.46E-02	0.00E+00	1.13E-03	3.91E-04	9.78E-03	1.17E-02	7.74E-03	3.08E-01	4.41E-01	1.18E-01	8.04E-01	1.18E-01	7.95E-03	2.34E-01	1.55E-02	1.65E-02	1.82E-02	6.38E-02	3.61E-02	4.44E-02	3.99E-02	4.36E-04	3.08E-02	3.08E-02	2.43E-02	1.82E-02	3.68E-04	3.08E-02	5.57E-03	0.00E+00	0.00E+00	5.07E-04	4.45E-02		
HHA100B	1.12E-01	1.28E-01	-2.70E-02	1.38E-01	7.31E-02	0.00E+00	2.27E-02	8.42E-04	1.83E-02	2.02E-01	8.88E-03	3.23E-01	1.15E-01	8.65E-01	6.44E-01	2.38E-01	1.18E-02	3.78E-01	1.12E-01	2.67E-02	3.97E-02	1.08E-01	3.82E-02	3.38E-02	5.57E-02	1.02E-03	4.48E-02	2.30E-02	3.08E-02	5.48E-04	3.08E-02	3.10E-02	7.87E-03	0.00E+00	0.00E+00	3.37E-04	4.58E-02		
HHA100S	1.12E-01	1.28E-01	-2.70E-02	1.38E-01	7.31E-02	0.00E+00	2.27E-02	8.42E-04	1.83E-02	2.02E-01	8.88E-03	3.23E-01	1.15E-01	8.65E-01	6.44E-01	2.38E-01	1.18E-02	3.78E-01	1.12E-01	2.67E-02	3.97E-02	1.08E-01	3.82E-02	3.38E-02	5.57E-02	1.02E-03	4.48E-02	2.30E-02	3.08E-02	5.48E-04	3.08E-02	3.10E-02	7.87E-03	0.00E+00	0.00E+00	3.37E-04	4.58E-02		
HHA100U	1.12E-01	1.30E-01	-3.30E-02	1.31E-01	5.23E-02	0.00E+00	2.26E-03	8.42E-04	2.34E-02	2.57E-01	8.68E-03	2.68E-01	1.39E-01	8.64E-01	5.98E-01	2.59E-01	1.17E-02	3.89E-01	1.03E-01	2.58E-02	3.18E-02	1.12E-01	3.61E-02	7.81E-02	8.73E-02	1.14E-03	4.15E-02	3.13E-02	3.35E-02	5.37E-04	3.35E-02	3.37E-02	7.48E-03	0.00E+00	0.00E+00	0.00E+00	4.36E-02		
HHA100Z	1.12E-01	1.30E-01	-3.30E-02	1.31E-01	5.23E-02	0.00E+00	2.26E-03	8.42E-04	2.34E-02	2.57E-01	8.68E-03	2.68E-01	1.39E-01	8.64E-01	5.98E-01	2.59E-01	1.17E-02	3.89E-01	1.03E-01	2.58E-02	3.18E-02	1.12E-01	3.61E-02	7.81E-02	8.73E-02	1.14E-03	4.15E-02	3.13E-02	3.35E-02	5.37E-04	3.35E-02	3.37E-02	7.48E-03	0.00E+00	0.00E+00	0.00E+00	4.36E-02		
HHA101B	1.47E-01	1.52E-01	-3.80E-02	1.58E-01	5.88E-02	0.00E+00	3.08E-03	1.27E-02	4.43E-02	3.17E-02	1.29E-02	4.43E-01	9.71E-01	1.51E-01	1.32E-01	1.48E-01	1.47E-02	4.07E-01	1.34E-01	2.87E-02	3.98E-02	1.18E-01	3.95E-02	6.47E-02	8.38E-02	1.22E-03	5.												





HMS126DR	1.00E-01	1.52E-01	-1.85E-01	1.34E-01	7.28E-01	0.00E+00	6.18E-01	2.85E-04	9.13E-01	9.53E-02	3.74E-01	6.27E-01	2.08E-01	6.73E-01	4.48E-01	8.86E-01	2.04E-02	4.40E-01	8.45E-02	3.89E-01	3.08E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	8.67E-01	5.75E-01	3.89E-02	4.24E-01	3.64E-02	3.85E-02	1.49E-01	0.00E+00	0.00E+00	3.13E-04	3.75E-02	
HMS127DR	1.34E-01	1.43E-01	-1.46E-01	1.48E-01	1.58E-01	0.00E+00	4.38E-01	4.01E-04	1.53E-01	1.78E-01	4.33E-01	5.34E-01	5.12E-01	1.10E-01	2.12E-01	8.34E-01	1.93E-01	4.25E-01	1.51E-01	3.02E-01	3.98E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	7.78E-04	3.36E-01	1.07E-01	3.88E-02	3.85E-02	1.33E-01	0.00E+00	0.00E+00	7.65E-04	6.35E-02		
HMS160BC	8.75E-02	1.62E-01	-2.18E-01	1.04E-01	2.44E-01	0.00E+00	4.17E-01	7.31E-01	8.78E-01	6.00E-01	3.90E-01	6.18E-01	6.41E-01	3.58E-01	3.85E-01	8.41E-01	1.56E-01	4.37E-01	8.45E-02	3.02E-01	3.98E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	3.72E-01	7.08E-01	5.16E-01	3.72E-02	2.21E-01	3.72E-02	2.46E-02	1.49E-01	0.00E+00	0.00E+00	3.00E-04	3.64E-02
HMS160BR	1.23E-01	1.51E-01	-1.80E-01	1.38E-01	1.43E-01	0.00E+00	5.10E-01	4.55E-04	1.48E-01	1.74E-01	4.33E-01	5.34E-01	5.12E-01	1.10E-01	2.12E-01	8.34E-01	1.93E-01	4.25E-01	1.51E-01	3.02E-01	3.98E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	7.78E-04	3.36E-01	1.07E-01	3.88E-02	3.85E-02	1.33E-01	0.00E+00	0.00E+00	7.65E-04	6.35E-02		
HMS160DR	1.61E-01	1.43E-01	-1.76E-01	1.26E-01	7.20E-01	0.00E+00	3.72E-01	2.81E-04	8.72E-01	6.29E-02	3.18E-01	6.10E-01	2.00E-01	6.05E-01	3.05E-01	8.84E-01	1.66E-01	4.09E-01	6.68E-02	3.77E-01	2.94E-02	1.32E-01	2.95E-01	9.45E-02	1.23E-02	4.69E-03	8.65E-01	5.65E-01	3.37E-01	4.02E-01	3.32E-02	3.38E-02	1.55E-01	0.00E+00	0.00E+00	2.62E-04	3.64E-02	
HMS161BC	1.14E-01	1.31E-01	-2.36E-01	1.34E-01	3.21E-01	0.00E+00	3.59E-01	1.01E-04	1.05E-01	1.13E-01	0.00E-01	4.76E-01	1.96E-01	8.20E-01	3.95E-01	1.27E-01	2.01E-02	4.28E-01	1.16E-01	2.11E-01	1.76E-01	3.43E-01	3.03E-01	7.98E-01	3.73E-01	5.01E-04	8.74E-01	6.37E-01	5.53E-02	2.92E-01	3.52E-02	3.08E-02	1.51E-01	0.00E+00	0.00E+00	4.02E-04	4.94E-02	
HMS161BR	1.27E-01	1.45E-01	-1.65E-01	1.45E-01	1.50E-01	0.00E+00	4.74E-01	4.68E-04	1.53E-01	1.74E-01	4.33E-01	5.34E-01	5.12E-01	1.10E-01	2.12E-01	8.34E-01	1.93E-01	4.25E-01	1.51E-01	3.02E-01	3.98E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	7.78E-04	3.36E-01	1.07E-01	3.88E-02	3.85E-02	1.33E-01	0.00E+00	0.00E+00	7.65E-04	6.35E-02		
HMS161DR	1.60E-01	1.52E-01	-1.81E-01	1.34E-01	1.75E-01	0.00E+00	3.78E-01	9.13E-04	9.54E-02	3.78E-01	6.20E-01	2.08E-01	6.72E-01	4.48E-01	8.86E-01	2.04E-02	4.40E-01	8.45E-02	3.89E-01	3.08E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	8.67E-01	5.75E-01	3.89E-02	4.24E-01	3.64E-02	3.85E-02	1.49E-01	0.00E+00	0.00E+00	3.13E-04	3.75E-02		
HMS162DR	1.33E-01	1.43E-01	-1.42E-01	1.48E-01	1.58E-01	0.00E+00	4.38E-01	4.01E-04	1.53E-01	1.78E-01	4.33E-01	5.34E-01	5.12E-01	1.10E-01	2.12E-01	8.34E-01	1.93E-01	4.25E-01	1.51E-01	3.02E-01	3.98E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	7.78E-04	3.36E-01	1.07E-01	3.88E-02	3.85E-02	1.33E-01	0.00E+00	0.00E+00	7.65E-04	6.35E-02		
HMT050DR	1.18E-01	1.28E-01	-2.72E-01	1.28E-01	2.93E-01	0.00E+00	6.24E-01	1.03E-01	1.11E-01	0.00E-01	3.97E-01	2.92E-01	8.30E-01	4.22E-01	1.54E-01	2.13E-01	4.07E-01	1.23E-01	2.05E-01	3.58E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	3.61E-01	8.17E-01	6.06E-01	3.74E-02	7.67E-04	3.76E-02	3.91E-02	1.48E-01	0.00E+00	0.00E+00	5.22E-04	6.28E-02	
HMT051DR	1.53E-01	1.60E-01	-2.02E-01	1.62E-01	3.79E-01	0.00E+00	4.84E-01	1.44E-04	1.34E-01	1.50E-01	0.00E-01	5.28E-01	3.25E-01	1.18E-01	4.88E-01	1.54E-01	2.13E-01	4.07E-01	1.23E-01	2.05E-01	3.58E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	4.75E-01	1.10E-01	7.04E-01	4.72E-02	1.10E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-02		
HMT063DR	1.24E-01	1.28E-01	-3.85E-01	1.26E-01	2.93E-01	0.00E+00	6.23E-01	1.01E-04	1.03E-01	1.03E-01	0.00E-01	4.42E-01	2.25E-01	3.44E-01	4.05E-01	1.01E-01	2.13E-01	4.11E-01	1.17E-01	2.17E-01	3.47E-02	1.78E-01	2.97E-01	6.88E-02	1.34E-02	3.62E-04	7.68E-01	6.69E-01	3.65E-02	8.59E-04	3.62E-02	3.76E-02	1.44E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-02	
HMT064DR	1.61E-01	1.58E-01	-2.28E-01	1.62E-01	3.79E-01	0.00E+00	4.84E-01	1.44E-04	1.31E-01	1.49E-01	0.00E-01	5.28E-01	3.25E-01	1.18E-01	4.88E-01	1.54E-01	2.13E-01	4.07E-01	1.23E-01	2.05E-01	3.58E-02	1.47E-01	2.93E-01	9.33E-02	1.59E-02	4.80E-03	4.75E-01	1.10E-01	7.04E-01	4.72E-02	1.10E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-02		
HMT100BR	1.14E-01	1.21E-01	-2.65E-01	1.26E-01	2.93E-01	0.00E+00	6.24E-01	1.01E-04	1.01E-01	1.01E-01	0.00E-01	4.42E-01	2.25E-01	3.44E-01	4.05E-01	1.01E-01	2.13E-01	4.11E-01	1.17E-01	2.17E-01	3.47E-02	1.78E-01	2.97E-01	6.88E-02	1.34E-02	3.62E-04	7.68E-01	6.69E-01	3.65E-02	8.59E-04	3.62E-02	3.76E-02	1.44E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-02	
HMT100DR	1.26E-01	1.26E-01	-2.10E-01	1.24E-01	2.93E-01	0.00E+00	6.23E-01	1.01E-04	1.01E-01	1.01E-01	0.00E-01	4.42E-01	2.25E-01	3.44E-01	4.05E-01	1.01E-01	2.13E-01	4.11E-01	1.17E-01	2.17E-01	3.47E-02	1.78E-01	2.97E-01	6.88E-02	1.34E-02	3.62E-04	7.68E-01	6.69E-01	3.65E-02	8.59E-04	3.62E-02	3.76E-02	1.44E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-02	
HMT101BR	1.48E-01	1.52E-01	-2.26E-01	1.34E-01	3.29E-01	0.00E+00	4.81E-01	1.42E-04	1.25E-01	1.32E-01	0.00E-01	5.28E-01	3.24E-01	1.20E-01	4.71E-01	1.32E-01	2.26E-01	4.95E-01	1.57E-01	2.71E-01	4.34E-02	2.28E-01	3.02E-01	6.93E-02	4.76E-02	4.32E-04	1.02E-01	7.05E-01	4.56E-02	1.14E-01	4.58E-02	4.74E-02	1.73E-01	0.00E+00	0.00E+00	0.00E+00	6.76E-02	
HMT101DR	1.58E-01	1.61E-01	-2.26E-01	1.42E-01	3.73E-01	0.00E+00	4.84E-01	1.43E-04	1.31E-01	1.49E-01	0.00E-01	5.43E-01	3.25E-01	1.21E-01	4.88E-01	1.32E-01	2.26E-01	4.95E-01	1.66E-01	3.37E-01	4.58E-02	2.28E-01	3.02E-01	6.93E-02	4.76E-02	4.32E-04	1.02E-01	7.05E-01	4.56E-02	1.14E-01	4.58E-02	4.74E-02	1.73E-01	0.00E+00	0.00E+00	0.00E+00	6.76E-02	
HMT102DR	1.57E-01	1.60E-01	-2.27E-01	1.42E-01	3.73E-01	0.00E+00	4.83E-01	1.44E-04	1.31E-01	1.49E-01	0.00E-01	5.43E-01	3.25E-01	1.21E-01	4.88E-01	1.32E-01	2.26E-01	4.95E-01	1.66E-01	3.37E-01	4.58E-02	2.28E-01	3.02E-01	6.93E-02	4.76E-02	4.32E-04	1.02E-01	7.05E-01	4.56E-02	1.14E-01	4.58E-02	4.74E-02	1.73E-01	0.00E+00	0.00E+00	0.00E+00	6.76E-02	
HMT125BR	1.14E-01	1.21E-01	-3.85E-01	1.26E-01	2.93E-01	0.00E+00	6.23E-01	1.01E-04	1.03E-01	1.03E-01	0.00E-01	4.42E-01	2.25E-01	3.44E-01	4.05E-01	1.01E-01	2.13E-01	4.11E-01	1.17E-01	2.17E-01	3.47E-02	1.78E-01	2.97E-01	6.88E-02	1.34E-02	3.62E-04	7.68E-01	6.69E-01	3.65E-02	8.59E-04	3.62E-02	3.76E-02	1.44E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-02	
HMT125DR	1.26E-01	1.26E-01	-2.10E-01	1.24E-01	2.93E-01	0.00E+00	6.23E-01	1.01E-04	1.01E-01	1.01E-01	0.00E-01	4.42E-01	2.25E-01	3.44E-01	4.05E-01	1.01E-01	2.13E-01	4.11E-01	1.17E-01	2.17E-01	3.47E-02	1.78E-01	2.97E-01	6.88E-02	1.34E-02	3.62E-04	7.68E-01	6.69E-01	3.65E-02	8.59E-04	3.62E-02	3.76E-02	1.44E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-02	
HMT126BR	1.47E-01	1.52E-01	-2.26E-01	1.42E-01	3.29E-01	0.00E+00	4.81E-01	1.42E-04	1.25E-01	1.32E-01	0.00E-01	5.28E-01	3.24E-01	1.20E-01	4.71E-01	1.32E-01	2.26E-01	4.95E-01	1.57E-01	2.71E-01	4.34E-02	2.28E-01	3.02E-01	6.93E-02	4.76E-02	4.32E-04	1.02E-01	7.05E-01	4.56E-02	1.14E-01	4.58E-02	4.74E-02	1.73E-01	0.00E+00	0.00E+00	0.00E+00	6.76E-02	
HMT126DR	1.55E-01	1.60E-01	-2.26E-01	1.42E-01	3.29E-01	0.00E+00	4.84E-01	1.42E-04	1.25E-01	1.32E-01	0.00E-01	5.40E-01	3.24E-01	1.20E-01	4.71E-01	1.32E-01	2.26E-01	4.95E-01	1.67E-01	3.37E-01	4.58E-02	2.28E-01	3.02E-01	6.93E-02	4.76E-02	4.32E-04	1.02E-01	7.05E-01	4.56E-02	1.14E-01	4.58E-02	4.74E-02	1.73E-01	0.00E+00	0.00E+00	0.00E+00	6.76E-02	
HMT127DR	1.57E-01	1.60E-01	-2.27E-01	1.42E-01	3.73E-01	0.00E+00	4.84E-01	1.44E-04	1.31E-01	1.49E-01	0.00E-01	5.43E-01	3.25E-01	1.21E-01	4.88E-01	1.32E-01	2.26E-01	4.95E-01	1.66E-01	3.37E-01	4.58E-02	2.28E-01	3.02E-01	6.93E-02	4.76E-02	4.32E-04	1.02E-01	7.05E-01	4.56E-02	1.14E-01	4.58E-02	4.74E-02	1.73E-01	0.00E+00	0.00E+00	0.00E+00	6.76E-02	
HMT160BR	1.14E-01	1.21E-01	-3.85E-01	1.26E-01	2.93E-01	0.00E+00	6.23E-01	1.01E-04	1.03E-01	1.03E-01	0.00E-01	4.42E-01	2.25E-01	3.44E-01	4.05E-01	1.01E-01	2.13E-01	4.11E-01	1.17E-01	2.17E-01	3.47E-02	1.78E-01	2.97E-01	6.88E-02	1.34E-02	3.62E-04	7.68E-01	6.69E-01	3.65E-02	8.59E-04	3.62E-02	3.76E-02	1.44E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-02	
HMT160DR	1.24E-01	1.24E-01	-2.85E-01	1.24E-01	2.93E-01	0.00E+00	6.23E-01	1.01E-04	1.01E-01	1.01E-01	0.00E-01	4.42E-01	2.25E-01	3.44E-01	4.05E-01	1.01E-01	2.13E-01	4.11E-01	1.17E-01	2.17E-01	3.47E-02	1.78E-01	2.97E-01	6.88E-02	1.34E-02	3.62E-04	7.68E-01	6.69E-01	3.65E-02	8.59E-04	3.62E-02	3.76E-02	1.44E-01	0.00E+00	0.00E+00	0.00E+00	5.01E-02	
HMT161BR	1.47E-01																																					

HNB101U	1746.0	1.37E+01	-5.76E+02	1.43E+01	8.42E+02	0.00E+00	6.33E+02	8.59E+04	1.36E+02	1.54E+01	1.91E+02	1.18E+02	3.20E+01	1.05E+01	1.25E+02	2.74E+02	2.02E+02	4.05E+01	2.21E+01	7.99E+01	3.42E+02	1.68E+01	2.33E+02	1.95E+02	5.47E+02	5.26E+02	8.18E+02	6.05E+02	3.62E+02	7.24E+02	3.57E+02	3.71E+02	1.43E+03	0.00E+00	0.00E+00	1.11E+03	9.18E+02		
HNB125H	1356.0	1.13E+01	-7.36E+02	1.17E+01	6.70E+02	0.00E+00	5.99E+02	7.09E+04	1.05E+02	1.19E+01	1.26E+02	9.34E+01	3.16E+01	1.03E+01	1.03E+02	2.26E+02	2.06E+02	3.76E+01	1.72E+01	6.68E+01	2.94E+02	1.46E+01	1.97E+02	1.58E+02	4.26E+02	4.47E+02	7.00E+02	5.96E+02	3.32E+02	6.06E+02	3.18E+02	3.31E+02	1.38E+03	0.00E+00	0.00E+00	1.11E+03	9.17E+02		
HNB125U	1275.0	1.14E+01	-5.85E+02	1.06E+01	6.53E+02	0.00E+00	2.41E+03	7.03E+04	8.28E+02	8.04E+02	1.12E+02	8.34E+01	2.26E+01	1.21E+01	1.01E+02	2.48E+02	2.10E+02	2.46E+01	1.68E+01	6.30E+01	1.88E+02	1.04E+01	1.77E+02	1.91E+02	3.21E+02	4.26E+02	5.15E+02	5.26E+02	1.97E+02	5.96E+02	1.98E+02	2.02E+02	7.24E+02	0.00E+00	0.00E+00	1.11E+03	9.07E+02		
HNB125Z	1265.0	1.14E+01	-5.85E+02	1.06E+01	6.53E+02	0.00E+00	2.41E+03	7.03E+04	8.28E+02	8.04E+02	1.12E+02	8.34E+01	2.26E+01	1.21E+01	1.01E+02	2.48E+02	2.10E+02	2.46E+01	1.68E+01	6.30E+01	1.88E+02	1.04E+01	1.77E+02	1.91E+02	3.21E+02	4.26E+02	5.15E+02	5.26E+02	1.97E+02	5.96E+02	1.98E+02	2.02E+02	7.24E+02	0.00E+00	0.00E+00	1.11E+03	9.07E+02		
HNB126H	1646.0	1.33E+01	-5.85E+02	1.20E+01	7.95E+02	0.00E+00	6.33E+02	8.41E+04	1.33E+02	1.45E+02	1.43E+02	1.18E+02	3.00E+01	1.03E+01	1.25E+02	2.73E+02	2.42E+02	3.72E+01	2.13E+01	7.82E+01	2.82E+02	1.62E+01	2.13E+02	1.84E+02	5.06E+02	5.25E+02	8.11E+02	5.95E+02	3.32E+02	6.91E+02	3.18E+02	3.47E+02	1.35E+03	0.00E+00	0.00E+00	1.06E+03	9.10E+02		
HNB126U	1716.0	1.35E+01	-5.85E+02	1.41E+01	8.20E+02	0.00E+00	1.03E+03	8.47E+04	1.33E+02	1.55E+02	1.43E+02	1.18E+02	3.25E+01	1.03E+01	1.24E+02	2.71E+02	2.46E+02	3.86E+01	2.16E+01	7.82E+01	2.82E+02	1.62E+01	2.13E+02	1.84E+02	5.06E+02	5.25E+02	8.11E+02	5.95E+02	3.32E+02	7.14E+02	3.27E+02	3.58E+02	1.47E+03	0.00E+00	0.00E+00	1.11E+03	9.14E+02		
HNB160H	1242.0	1.04E+01	-7.75E+02	1.00E+01	6.73E+02	0.00E+00	2.44E+02	6.82E+04	1.11E+02	1.28E+02	1.44E+02	3.27E+01	6.02E+01	1.24E+01	1.18E+02	2.18E+02	1.82E+02	2.64E+01	1.72E+01	6.22E+01	1.92E+02	9.46E+01	1.71E+02	1.48E+02	4.16E+02	4.12E+02	2.48E+02	2.00E+02	2.04E+02	5.82E+02	2.26E+02	2.16E+02	1.07E+03	0.00E+00	0.00E+00	1.06E+03	9.02E+02		
HNB160U	1212.0	1.01E+01	-6.84E+02	1.00E+01	6.73E+02	0.00E+00	2.44E+02	6.82E+04	1.11E+02	1.28E+02	1.44E+02	3.27E+01	6.02E+01	1.24E+01	1.18E+02	2.18E+02	1.82E+02	2.64E+01	1.72E+01	6.22E+01	1.92E+02	9.46E+01	1.71E+02	1.48E+02	4.16E+02	4.12E+02	2.48E+02	2.00E+02	2.04E+02	5.82E+02	2.26E+02	2.16E+02	1.07E+03	0.00E+00	0.00E+00	1.06E+03	9.02E+02		
HNB160Z	1366.0	1.14E+01	-7.46E+02	1.17E+01	6.70E+02	0.00E+00	5.99E+02	7.04E+04	1.03E+02	1.15E+02	1.23E+02	9.82E+01	3.47E+01	1.04E+01	1.04E+02	2.25E+02	2.05E+02	3.77E+01	1.68E+01	6.58E+01	2.92E+02	1.58E+01	1.94E+02	1.53E+02	4.21E+02	4.40E+02	7.00E+02	5.97E+02	3.35E+02	5.97E+02	3.18E+02	3.46E+02	1.38E+03	0.00E+00	0.00E+00	1.11E+03	9.09E+02		
HNB161U	1506.0	1.18E+01	-4.45E+02	1.11E+01	7.10E+02	0.00E+00	2.32E+03	7.69E+04	9.30E+02	1.22E+02	1.44E+02	1.07E+02	2.41E+01	1.35E+01	1.11E+02	2.55E+02	2.28E+02	2.53E+01	1.69E+01	7.21E+01	1.88E+02	1.04E+01	1.98E+02	1.71E+02	4.02E+02	4.77E+02	5.17E+02	5.26E+02	2.00E+02	6.73E+02	2.00E+02	2.07E+02	7.28E+02	0.00E+00	0.00E+00	1.06E+03	9.77E+02		
HNB200H	1236.0	1.10E+01	-8.47E+02	1.05E+01	6.81E+02	0.00E+00	3.53E+02	6.54E+04	1.16E+02	1.40E+02	1.38E+02	3.86E+01	6.76E+01	1.15E+02	1.85E+02	1.60E+02	2.44E+01	1.73E+01	6.30E+01	1.92E+02	8.82E+01	1.64E+02	1.43E+02	4.03E+02	3.96E+02	5.24E+02	5.10E+02	1.97E+02	5.57E+02	1.97E+02	3.02E+02	9.75E+02	0.00E+00	0.00E+00	1.06E+03	9.00E+02			
HNB200U	1176.0	8.72E+00	-1.04E+03	9.84E+02	6.17E+02	0.00E+00	2.54E+03	7.94E+04	8.49E+02	1.48E+02	1.48E+02	8.96E+01	7.03E+01	1.19E+02	1.11E+02	2.18E+02	1.69E+02	2.53E+01	1.62E+01	6.02E+01	1.84E+02	8.81E+01	1.64E+02	1.37E+02	3.22E+02	3.96E+02	5.24E+02	4.78E+02	1.93E+02	6.57E+02	1.82E+02	2.02E+02	1.05E+03	0.00E+00	0.00E+00	1.06E+03	9.07E+02		
HNB200Z	1366.0	1.18E+01	-4.45E+02	1.11E+01	7.10E+02	0.00E+00	2.32E+03	7.69E+04	9.30E+02	1.22E+02	1.44E+02	1.07E+02	2.41E+01	1.35E+01	1.11E+02	2.55E+02	2.28E+02	2.53E+01	1.69E+01	7.21E+01	1.88E+02	1.04E+01	1.98E+02	1.71E+02	4.02E+02	4.77E+02	5.17E+02	5.26E+02	2.00E+02	6.73E+02	2.00E+02	2.07E+02	7.28E+02	0.00E+00	0.00E+00	1.06E+03	9.77E+02		
HNB201H	1662.0	1.32E+01	-5.27E+02	1.23E+01	8.10E+02	0.00E+00	3.24E+02	8.01E+04	1.37E+02	1.48E+02	1.60E+02	3.73E+01	6.02E+01	1.24E+01	1.18E+02	2.17E+02	1.84E+02	2.64E+01	1.72E+01	6.22E+01	1.92E+02	9.46E+01	1.71E+02	1.48E+02	4.16E+02	4.12E+02	2.48E+02	2.00E+02	2.04E+02	5.82E+02	2.26E+02	2.16E+02	1.07E+03	0.00E+00	0.00E+00	1.06E+03	9.33E+02		
HNB201U	1742.0	1.37E+01	-4.45E+02	1.42E+01	8.40E+02	0.00E+00	3.23E+03	8.69E+04	1.37E+02	1.54E+02	1.51E+02	1.18E+02	3.20E+01	1.15E+01	1.25E+02	2.74E+02	2.51E+02	3.06E+01	2.22E+01	7.99E+01	3.24E+02	1.61E+01	2.33E+02	1.95E+02	4.54E+02	5.26E+02	4.11E+02	5.95E+02	3.35E+02	7.24E+02	3.27E+02	3.58E+02	1.47E+03	0.00E+00	0.00E+00	1.11E+03	9.27E+02		
HNB250U	1214.0	1.01E+01	-6.70E+02	1.00E+01	6.73E+02	0.00E+00	2.44E+02	6.80E+04	1.10E+02	1.26E+02	1.36E+02	3.25E+01	5.15E+01	1.24E+01	1.15E+02	2.18E+02	1.84E+02	2.63E+01	1.71E+01	6.17E+01	1.92E+02	9.32E+01	1.70E+02	1.42E+02	3.26E+02	4.11E+02	2.49E+02	2.07E+02	1.98E+02	5.81E+02	2.27E+02	2.17E+02	1.07E+03	0.00E+00	0.00E+00	1.06E+03	9.33E+02		
HNB250Z	1366.0	1.14E+01	-5.85E+02	1.06E+01	6.53E+02	0.00E+00	2.41E+03	7.03E+04	8.28E+02	1.12E+02	1.26E+02	8.82E+01	3.43E+01	1.24E+01	1.04E+02	2.48E+02	2.10E+02	2.46E+01	1.68E+01	6.30E+01	1.88E+02	1.04E+01	1.77E+02	1.91E+02	3.21E+02	4.26E+02	5.15E+02	5.26E+02	1.97E+02	5.96E+02	1.98E+02	2.02E+02	7.24E+02	0.00E+00	0.00E+00	1.11E+03	9.06E+02		
HNB251H	1686.0	1.33E+01	-4.75E+02	1.42E+01	8.40E+02	0.00E+00	3.23E+03	8.69E+04	1.37E+02	1.54E+02	1.51E+02	1.18E+02	3.20E+01	1.15E+01	1.25E+02	2.74E+02	2.51E+02	3.06E+01	2.22E+01	7.99E+01	3.24E+02	1.61E+01	2.33E+02	1.95E+02	4.54E+02	5.26E+02	4.11E+02	5.95E+02	3.35E+02	7.24E+02	3.27E+02	3.58E+02	1.47E+03	0.00E+00	0.00E+00	1.11E+03	9.29E+02		
HNB251U	1726.0	1.37E+01	-4.75E+02	1.42E+01	8.40E+02	0.00E+00	3.23E+03	8.69E+04	1.37E+02	1.54E+02	1.51E+02	1.18E+02	3.20E+01	1.15E+01	1.25E+02	2.74E+02	2.51E+02	3.06E+01	2.22E+01	7.99E+01	3.24E+02	1.61E+01	2.33E+02	1.95E+02	4.54E+02	5.26E+02	4.11E+02	5.95E+02	3.35E+02	7.24E+02	3.27E+02	3.58E+02	1.47E+03	0.00E+00	0.00E+00	1.11E+03	9.29E+02		
HNB251Z	1366.0	1.14E+01	-5.85E+02	1.06E+01	6.53E+02	0.00E+00	2.41E+03	7.03E+04	8.28E+02	1.12E+02	1.26E+02	8.82E+01	3.43E+01	1.24E+01	1.04E+02	2.48E+02	2.10E+02	2.46E+01	1.68E+01	6.30E+01	1.88E+02	1.04E+01	1.77E+02	1.91E+02	3.21E+02	4.26E+02	5.15E+02	5.26E+02	1.97E+02	5.96E+02	1.98E+02	2.02E+02	7.24E+02	0.00E+00	0.00E+00	1.11E+03	9.06E+02		
HNB252H	1672.0	1.32E+01	-5.45E+02	1.23E+01	8.10E+02	0.00E+00	3.23E+02	8.00E+04	1.37E+02	1.48E+02	1.60E+02	3.73E+01	6.02E+01	1.24E+01	1.18E+02	2.17E+02	1.84E+02	2.64E+01	1.72E+01	6.22E+01	1.92E+02	9.46E+01	1.71E+02	1.48E+02	4.16E+02	4.12E+02	2.48E+02	2.00E+02	2.04E+02	5.82E+02	2.26E+02	2.16E+02	1.07E+03	0.00E+00	0.00E+00	1.06E+03	9.30E+02		
HNB252U	1752.0	1.37E+01	-4.45E+02	1.42E+01	8.40E+02	0.00E+00	3.23E+03	8.69E+04	1.37E+02	1.54E+02	1.51E+02	1.18E+02	3.20E+01	1.15E+01	1.25E+02	2.74E+02	2.51E+02	3.06E+01	2.22E+01	7.99E+01	3.24E+02	1.61E+01	2.33E+02	1.95E+02	4.54E+02	5.26E+02	4.11E+02	5.95E+02	3.35E+02	7.24E+02	3.27E+02	3.58E+02	1.47E+03	0.00E+00	0.00E+00	1.11E+03	9.27E+02		
HNB252Z	1366.0	1.14E+01	-5.85E+02	1.06E+01	6.53E+02	0.00E+00	2.41E+03	7.03E+04	8.28E+02	1.12E+02	1.26E+02	8.82E+01	3.43E+01	1.24E+01	1.04E+02	2.48E+02	2.10E+02	2.46E+01	1.68E+01	6.30E+01	1.88E+02	1.04E+01	1.77E+02	1.91E+02	3.21E+02	4.26E+02	5.15E+02	5.26E+02	1.97E+02	5.96E+02	1.98E+02	2.02E+02	7.24E+02	0.00E+00	0.00E+00	1.11E+03	9.06E+02		
HNB255DR	1452.0	1.22E+01	-2.11E+03	3.77E+01	1.41E+02	0.00E+00	5.95E+02	6.24E+04	1.03E+02	1.16E+02	1.16E+02	4.23E+01	9.70E+01	1.10E+02	1.35E+02	1.24E+02	1.86E+02	4.88E+01	4.88E+01	1.51E+01	7.81E+01	2.76E+02	1.41E+02	8.46E+02	3.28E+02	1.52E+02	1.60E+02	3.35E+02	1.73E+02	1.76E+02	3.26E+02	6.52E+02	3.16E+02	3.16E+02	1.17E+03	0.00E+00	0.00E+00	1.06E+03	9.57E+02
HNB255DR	1452.0	1.22E+01	-2.11E+03	3.77E+01	1.41E+02	0.00E+00	5.95E+02	6.24E+04	1.03E+02	1.16E+02	1.16E+02	4.23E+01	9.70E+01	1.10E+02	1.35E+02	1.24E+02	1.86E+02	4.88E+01	4.88E+01	1.51E+01	7.81E+01	2.76E+02	1.41E+02	8.46E+02	3.28E+02	1.52E+02	1.60E+02	3.35E+02	1.73E+02	1.76E+02	3.26E+02	6.52E+02	3.16E+02	3.16E+02	1.17E+03	0.00E+00			



























HMT201BR	8494.90	3.70E-01	1.51E-06	3.70E-01	5.59E-07	0.00E+00	1.08E+01	1.38E-06	1.66E-04	1.16E-03	0.00E+00	1.56E-03	7.25E-11	1.38E-03	1.31E-02	1.56E-03	0.00E+00	0.00E+00	3.10E-04	3.43E-02	6.57E-03	0.00E+00	4.49E-03	5.91E-03	3.76E-04	2.75E-03	2.07E-02	0.00E+00	6.57E-03	1.32E-07	6.57E-03	6.58E-03	2.07E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-02
HMT201DR	8494.90	3.70E-01	1.51E-06	3.70E-01	5.59E-07	0.00E+00	1.08E+01	1.38E-06	1.66E-04	1.16E-03	0.00E+00	1.56E-03	7.25E-11	1.38E-03	1.31E-02	1.56E-03	0.00E+00	0.00E+00	3.10E-04	3.43E-02	6.57E-03	0.00E+00	4.49E-03	5.91E-03	3.76E-04	2.75E-03	2.07E-02	0.00E+00	6.57E-03	1.32E-07	6.57E-03	6.58E-03	2.07E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-02
HMT202DR	8494.90	3.70E-01	1.51E-06	3.70E-01	5.59E-07	0.00E+00	1.08E+01	1.38E-06	1.66E-04	1.16E-03	0.00E+00	1.56E-03	7.25E-11	1.38E-03	1.31E-02	1.56E-03	0.00E+00	0.00E+00	3.10E-04	3.43E-02	6.57E-03	0.00E+00	4.49E-03	5.91E-03	3.76E-04	2.75E-03	2.07E-02	0.00E+00	6.57E-03	1.32E-07	6.57E-03	6.58E-03	2.07E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-02
HMT250BR	4759.40	2.98E-01	1.25E-06	2.98E-01	4.53E-07	0.00E+00	8.75E-03	1.12E-06	8.57E-04	9.41E-04	0.00E+00	1.25E-03	5.87E-11	1.12E-03	1.08E-02	1.25E-03	0.00E+00	0.00E+00	2.51E-04	2.42E-02	5.32E-03	0.00E+00	3.83E-03	4.93E-03	3.24E-04	2.34E-03	1.67E-02	0.00E+00	5.32E-03	1.02E-07	5.32E-03	5.33E-03	1.67E-02	0.00E+00	0.00E+00	0.00E+00	1.02E-02
HMT250DR	5032.90	3.18E-01	1.30E-06	3.18E-01	4.82E-07	0.00E+00	9.23E-03	1.16E-06	9.12E-04	1.00E-03	0.00E+00	1.32E-03	6.24E-11	1.16E-03	1.13E-02	1.32E-03	0.00E+00	0.00E+00	2.67E-04	2.58E-02	5.68E-03	0.00E+00	3.95E-03	4.93E-03	3.24E-04	2.34E-03	1.79E-02	0.00E+00	5.68E-03	1.14E-07	5.68E-03	5.69E-03	1.79E-02	0.00E+00	0.00E+00	0.00E+00	1.14E-02
HMT251BR	5494.90	3.70E-01	1.51E-06	3.70E-01	5.59E-07	0.00E+00	1.08E+01	1.38E-06	1.66E-04	1.16E-03	0.00E+00	1.56E-03	7.25E-11	1.38E-03	1.31E-02	1.56E-03	0.00E+00	0.00E+00	3.10E-04	3.43E-02	6.57E-03	0.00E+00	4.49E-03	5.91E-03	3.76E-04	2.75E-03	2.07E-02	0.00E+00	6.57E-03	1.32E-07	6.57E-03	6.58E-03	2.07E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-02
HMT251DR	5494.90	3.70E-01	1.51E-06	3.70E-01	5.59E-07	0.00E+00	1.08E+01	1.38E-06	1.66E-04	1.16E-03	0.00E+00	1.56E-03	7.25E-11	1.38E-03	1.31E-02	1.56E-03	0.00E+00	0.00E+00	3.10E-04	3.43E-02	6.57E-03	0.00E+00	4.49E-03	5.91E-03	3.76E-04	2.75E-03	2.07E-02	0.00E+00	6.57E-03	1.32E-07	6.57E-03	6.58E-03	2.07E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-02
HMT252DR	8494.90	3.70E-01	1.51E-06	3.70E-01	5.59E-07	0.00E+00	1.08E+01	1.38E-06	1.66E-04	1.16E-03	0.00E+00	1.56E-03	7.25E-11	1.38E-03	1.31E-02	1.56E-03	0.00E+00	0.00E+00	3.10E-04	3.43E-02	6.57E-03	0.00E+00	4.49E-03	5.91E-03	3.76E-04	2.75E-03	2.07E-02	0.00E+00	6.57E-03	1.32E-07	6.57E-03	6.58E-03	2.07E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-02
HMW320BR	6495.40	1.02E+00	0.00E+00	1.02E+00	0.00E+00	0.00E+00	8.75E-03	3.95E-07	3.24E-03	3.59E-03	0.00E+00	0.00E+00	1.84E-11	3.48E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.09E-03	3.52E-02	1.43E-01	0.00E+00	1.06E-01	5.51E-03	8.93E-03	3.05E-03	1.93E-03	0.00E+00	1.43E-01	4.08E-08	1.43E-01	1.43E-01	1.93E-03	0.00E+00	0.00E+00	0.00E+00	3.19E-03
HMW321BR	7495.40	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.80E-03	4.46E-07	3.61E-03	3.97E-03	0.00E+00	0.00E+00	2.12E-11	4.03E-03	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.00E-04	4.21E-02	1.68E-01	0.00E+00	1.16E-01	6.34E-03	9.83E-03	3.28E-03	2.24E-03	0.00E+00	1.68E-01	4.72E-08	1.68E-01	1.68E-01	2.24E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-03
HMW500BR	6495.40	1.02E+00	0.00E+00	1.02E+00	0.00E+00	0.00E+00	8.75E-03	3.95E-07	3.24E-03	3.59E-03	0.00E+00	0.00E+00	1.84E-11	3.48E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	9.09E-03	3.52E-02	1.43E-01	0.00E+00	1.06E-01	5.51E-03	8.93E-03	3.05E-03	1.93E-03	0.00E+00	1.43E-01	4.08E-08	1.43E-01	1.43E-01	1.93E-03	0.00E+00	0.00E+00	0.00E+00	3.19E-03
HMW501BR	7495.40	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	7.80E-03	4.46E-07	3.61E-03	3.97E-03	0.00E+00	0.00E+00	2.12E-11	4.03E-03	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.00E-04	4.21E-02	1.68E-01	0.00E+00	1.16E-01	6.34E-03	9.83E-03	3.28E-03	2.24E-03	0.00E+00	1.68E-01	4.72E-08	1.68E-01	1.68E-01	2.24E-03	0.00E+00	0.00E+00	0.00E+00	4.57E-03
HMW632DE	7395.40	1.20E+00	0.00E+00	1.20E+00	0.00E+00	0.00E+00	8.17E-03	4.68E-07	3.65E-03	4.02E-03	0.00E+00	0.00E+00	2.20E-11	4.24E-03	3.04E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	4.38E-02	1.74E-01	0.00E+00	1.20E-01	6.48E-03	1.02E-02	3.14E-03	2.33E-03	0.00E+00	1.74E-01	4.91E-08	1.74E-01	1.74E-01	2.33E-03	0.00E+00	0.00E+00	0.00E+00	4.74E-03
HNA016M	1195.40	1.40E-01	0.00E+00	1.40E-01	0.00E+00	0.00E+00	1.10E-03	6.23E-08	5.27E-04	5.65E-04	0.00E+00	1.30E-03	3.05E-11	3.70E-11	4.03E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-03	5.82E-03	2.41E-03	0.00E+00	2.02E-03	8.83E-04	1.44E-02	4.08E-03	3.15E-03	0.00E+00	2.41E-03	6.70E-08	2.41E-03	2.41E-03	3.15E-03	0.00E+00	0.00E+00	0.00E+00	6.07E-04
HNA020M	1695.40	1.60E-01	0.00E+00	1.60E-01	0.00E+00	0.00E+00	1.10E-03	6.46E-08	5.21E-04	5.59E-04	0.00E+00	1.30E-03	3.05E-11	3.70E-11	4.03E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-03	5.82E-03	2.41E-03	0.00E+00	2.02E-03	8.83E-04	1.44E-02	4.08E-03	3.15E-03	0.00E+00	2.41E-03	6.70E-08	2.41E-03	2.41E-03	3.15E-03	0.00E+00	0.00E+00	0.00E+00	6.07E-04
HNA020Z	1695.40	1.60E-01	0.00E+00	1.60E-01	0.00E+00	0.00E+00	1.10E-03	6.46E-08	5.21E-04	5.59E-04	0.00E+00	1.30E-03	3.05E-11	3.70E-11	4.03E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-03	5.82E-03	2.41E-03	0.00E+00	2.02E-03	8.83E-04	1.44E-02	4.08E-03	3.15E-03	0.00E+00	2.41E-03	6.70E-08	2.41E-03	2.41E-03	3.15E-03	0.00E+00	0.00E+00	0.00E+00	6.07E-04
HNA021M	1595.40	1.20E-01	0.00E+00	1.20E-01	0.00E+00	0.00E+00	1.45E-03	8.07E-08	7.22E-04	7.72E-04	0.00E+00	1.60E-03	4.05E-11	7.05E-11	5.93E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-03	8.12E-02	3.12E-03	0.00E+00	3.54E-03	1.23E-02	1.99E-03	5.67E-03	4.27E-03	0.00E+00	3.12E-03	9.13E-08	3.12E-03	3.12E-03	4.27E-03	0.00E+00	0.00E+00	0.00E+00	8.27E-04
HNA025M	1195.40	1.00E-01	0.00E+00	1.00E-01	0.00E+00	0.00E+00	1.45E-03	8.07E-08	7.22E-04	7.72E-04	0.00E+00	1.60E-03	4.05E-11	7.05E-11	5.93E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-03	8.12E-02	3.12E-03	0.00E+00	3.54E-03	1.23E-02	1.99E-03	5.67E-03	4.27E-03	0.00E+00	3.12E-03	9.13E-08	3.12E-03	3.12E-03	4.27E-03	0.00E+00	0.00E+00	0.00E+00	8.27E-04
HNA025U	1695.40	2.78E-01	0.00E+00	2.78E-01	0.00E+00	0.00E+00	2.11E-03	1.18E-07	2.97E-04	2.77E-04	0.00E+00	2.57E-03	5.17E-11	1.01E-11	8.68E-04	0.00E+00	0.00E+00	0.00E+00	2.62E-03	9.39E-02	3.82E-03	0.00E+00	4.07E-03	5.53E-04	7.33E-03	6.56E-04	4.75E-03	0.00E+00	3.82E-03	1.31E-08	3.82E-03	3.75E-03	4.75E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-03
HNA025Z	1695.40	2.78E-01	0.00E+00	2.78E-01	0.00E+00	0.00E+00	2.11E-03	1.18E-07	2.97E-04	2.77E-04	0.00E+00	2.57E-03	5.17E-11	1.01E-11	8.68E-04	0.00E+00	0.00E+00	0.00E+00	2.62E-03	9.39E-02	3.82E-03	0.00E+00	4.07E-03	5.53E-04	7.33E-03	6.56E-04	4.75E-03	0.00E+00	3.82E-03	1.31E-08	3.82E-03	3.75E-03	4.75E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-03
HNA026M	1695.40	2.82E-01	0.00E+00	2.82E-01	0.00E+00	0.00E+00	2.15E-03	1.20E-07	2.99E-04	2.81E-04	0.00E+00	2.61E-03	5.31E-11	1.03E-11	8.81E-04	0.00E+00	0.00E+00	0.00E+00	2.66E-03	9.51E-02	3.86E-03	0.00E+00	4.11E-03	5.57E-04	7.37E-03	6.60E-04	4.79E-03	0.00E+00	3.86E-03	1.35E-08	3.86E-03	3.79E-03	4.79E-03	0.00E+00	0.00E+00	0.00E+00	1.33E-03
HNA026U	1695.40	2.82E-01	0.00E+00	2.82E-01	0.00E+00	0.00E+00	2.15E-03	1.20E-07	2.99E-04	2.81E-04	0.00E+00	2.61E-03	5.31E-11	1.03E-11	8.81E-04	0.00E+00	0.00E+00	0.00E+00	2.66E-03	9.51E-02	3.86E-03	0.00E+00	4.11E-03	5.57E-04	7.37E-03	6.60E-04	4.79E-03	0.00E+00	3.86E-03	1.35E-08	3.86E-03	3.79E-03	4.79E-03	0.00E+00	0.00E+00	0.00E+00	1.33E-03
HNA026Z	1695.40	2.82E-01	0.00E+00	2.82E-01	0.00E+00	0.00E+00	2.15E-03	1.20E-07	2.99E-04	2.81E-04	0.00E+00	2.61E-03	5.31E-11	1.03E-11	8.81E-04	0.00E+00	0.00E+00	0.00E+00	2.66E-03	9.51E-02	3.86E-03	0.00E+00	4.11E-03	5.57E-04	7.37E-03	6.60E-04	4.79E-03	0.00E+00	3.86E-03	1.35E-08	3.86E-03	3.79E-03	4.79E-03	0.00E+00	0.00E+00	0.00E+00	1.33E-03
HNA032Z	1695.40	2.78E-01	0.00E+00	2.78E-01	0.00E+00	0.00E+00	2.15E-03	1.18E-07	2.97E-04	2.77E-04	0.00E+00	2.57E-03	5.17E-11	1.01E-11	8.68E-04	0.00E+00	0.00E+00	0.00E+00	2.62E-03	9.39E-02	3.82E-03	0.00E+00	4.07E-03	5.53E-04	7.33E-03	6.56E-04	4.75E-03	0.00E+00	3.82E-03	1.31E-08	3.82E-03	3.75E-03	4.75E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-03
HNA040M	1195.40	1.00E-01	0.00E+00	1.00E-01	0.00E+00	0.00E+00	1.45E-03	8.07E-08	7.22E-04	7.72E-04	0.00E+00	1.60E-03	4.05E-11	7.05E-11	5.93E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-03	8.12E-02	3.12E-03	0.00E+00	3.54E-03	1.23E-02	1.99E-03	5.67E-03	4.27E-03	0.00E+00	3.12E-03	9.13E-08	3.12E-03	3.12E-03	4.27E-03	0.00E+00	0.00E+00</		

















HDA026Z	7436	5761.01	3.43E+01	2.33E+01	1.84E+00	0.00E+00	3.23E+00	3.03E+00	3.01E+04	2.22E+00	0.00E+00	1.40E+00	2.94E+00	7.22E+01	3.51E+02	8.23E+04	2.19E+02	1.72E+01	1.54E+01	6.71E+02	2.42E+00	0.00E+00	3.45E+00	4.37E+00	5.97E+04	1.02E+00	3.26E+01	0.00E+00	2.43E+00	1.26E+00	2.42E+00	2.72E+00	3.26E+01	0.00E+00	0.00E+00	0.00E+00	2.04E+02
HDA030Z	27194	2.22E+01	1.36E+01	8.57E+01	7.41E+01	0.00E+00	1.12E+00	1.18E+00	1.11E+04	8.31E+04	0.00E+00	5.44E+00	9.37E+00	2.03E+01	1.23E+01	3.11E+04	8.89E+03	7.94E+00	6.09E+04	2.36E+02	1.92E+01	0.00E+00	1.26E+00	1.83E+00	1.98E+04	5.72E+00	1.22E+01	0.00E+00	9.02E+01	4.92E+00	9.32E+01	1.02E+00	1.22E+00	0.00E+00	0.00E+00	7.62E+03	
HDA032Z	4364	2.06E+01	3.52E+02	1.78E+01	0.00E+00	0.00E+00	2.22E+00	2.18E+00	2.04E+04	1.29E+00	0.00E+00	3.73E+00	1.87E+00	4.97E+01	2.59E+02	4.46E+04	1.72E+02	5.22E+00	3.06E+04	7.12E+02	1.52E+00	0.00E+00	1.95E+00	2.64E+00	3.01E+04	8.06E+00	2.02E+01	0.00E+00	1.52E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.29E+02	
HDA033Z	5396	1.44E+01	1.25E+01	1.04E+00	0.00E+00	0.00E+00	2.70E+00	2.03E+00	1.76E+04	1.07E+00	0.00E+00	1.07E+00	2.88E+00	5.93E+01	2.88E+02	5.45E+04	1.03E+02	1.16E+01	6.10E+00	5.12E+02	1.93E+00	0.00E+00	2.79E+00	3.54E+00	4.05E+04	1.21E+00	2.05E+01	0.00E+00	1.50E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.29E+02	
HDA038Z	2584	4.02E+01	1.25E+01	8.02E+02	6.77E+01	0.00E+00	1.14E+00	1.11E+00	1.64E+04	7.77E+04	0.00E+00	5.02E+00	6.75E+00	2.49E+01	1.21E+02	2.88E+04	7.65E+03	6.44E+02	5.57E+04	2.22E+02	8.44E+01	0.00E+00	1.20E+00	1.52E+00	1.77E+04	5.52E+00	1.14E+01	0.00E+00	8.44E+01	4.57E+00	8.44E+01	3.58E+01	1.14E+01	0.00E+00	0.00E+00	7.11E+03	
HDA040S	49694	3.64E+01	2.27E+01	1.57E+01	1.21E+00	0.00E+00	2.22E+00	2.16E+00	2.03E+04	1.55E+00	0.00E+00	1.71E+00	4.87E+01	3.37E+01	5.51E+04	1.48E+02	1.16E+01	1.02E+01	4.52E+02	1.62E+00	0.00E+00	2.32E+00	2.94E+00	3.41E+04	1.02E+01	2.21E+01	0.00E+00	1.63E+00	8.44E+01	1.63E+00	2.21E+01	0.00E+00	0.00E+00	0.00E+00	1.37E+02		
HDA040U	4424	2.07E+01	2.02E+02	1.27E+01	0.00E+00	0.00E+00	2.12E+00	2.03E+00	1.92E+04	1.37E+00	0.00E+00	3.73E+00	1.88E+00	4.99E+01	2.59E+02	4.46E+04	1.72E+02	5.22E+00	3.06E+04	7.12E+02	1.52E+00	0.00E+00	1.95E+00	2.64E+00	3.01E+04	8.16E+00	2.02E+01	0.00E+00	1.52E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.34E+02	
HDA040Z	5396	1.41E+01	1.25E+01	1.04E+00	0.00E+00	0.00E+00	2.70E+00	2.03E+00	1.76E+04	1.07E+00	0.00E+00	1.07E+00	2.88E+00	5.93E+01	2.88E+02	5.45E+04	1.03E+02	1.16E+01	6.10E+00	5.12E+02	1.93E+00	0.00E+00	2.79E+00	3.54E+00	4.05E+04	1.21E+00	2.05E+01	0.00E+00	1.50E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.29E+02	
HDA041U	63944	5.31E+01	3.32E+01	2.16E+01	1.66E+00	0.00E+00	3.06E+00	3.00E+00	2.82E+04	2.07E+00	0.00E+00	1.28E+00	2.38E+00	6.77E+01	3.26E+01	7.64E+04	2.06E+02	1.58E+01	1.42E+01	6.41E+02	2.22E+00	0.00E+00	3.21E+00	4.08E+00	4.72E+04	1.42E+01	3.95E+01	0.00E+00	2.27E+00	1.17E+00	2.27E+00	2.37E+01	3.05E+01	0.00E+00	0.00E+00	1.92E+02	
HDA041Z	6194	5.38E+01	3.11E+01	2.16E+01	1.66E+00	0.00E+00	3.06E+00	3.00E+00	2.82E+04	2.07E+00	0.00E+00	1.28E+00	2.37E+00	6.75E+01	3.26E+01	7.62E+04	2.06E+02	1.58E+01	1.41E+01	6.39E+02	2.22E+00	0.00E+00	3.21E+00	4.07E+00	4.72E+04	1.41E+01	3.95E+01	0.00E+00	2.28E+00	1.17E+00	2.27E+00	2.37E+01	3.05E+01	0.00E+00	0.00E+00	1.90E+02	
HDA048Z	2684	2.06E+01	1.32E+01	1.05E+00	0.00E+00	0.00E+00	2.70E+00	2.03E+00	1.76E+04	1.07E+00	0.00E+00	1.07E+00	2.88E+00	5.93E+01	2.88E+02	5.45E+04	1.03E+02	1.16E+01	6.10E+00	5.12E+02	1.93E+00	0.00E+00	2.79E+00	3.54E+00	4.05E+04	1.21E+00	2.05E+01	0.00E+00	1.50E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.29E+02	
HDA049P	252E	2.22E+00	1.58E+00	7.25E+01	8.95E+00	0.00E+00	1.04E+01	1.61E+00	8.48E+04	7.59E+00	0.00E+00	8.62E+00	6.10E+00	2.02E+01	1.18E+01	2.88E+03	6.94E+02	8.45E+01	6.72E+02	1.57E+01	8.92E+00	0.00E+00	1.18E+00	1.47E+00	1.71E+03	5.42E+00	1.69E+01	0.00E+00	8.62E+00	5.32E+00	8.92E+01	9.16E+00	1.04E+00	0.00E+00	0.00E+00	6.84E+02	
HDA050Z	1334	3.82E+02	1.72E+02	5.46E+02	1.89E+01	0.00E+00	7.26E+01	7.08E+01	6.77E+02	3.92E+04	0.00E+00	3.78E+04	5.52E+00	1.65E+01	9.06E+01	1.11E+04	4.87E+03	1.64E+02	1.82E+02	2.52E+02	4.06E+01	0.00E+00	6.02E+00	6.95E+00	9.24E+03	2.22E+00	6.30E+02	0.00E+00	4.62E+01	4.12E+00	4.98E+01	5.26E+01	5.26E+01	0.00E+00	0.00E+00	0.00E+00	3.76E+03
HDA051Z	2074	8.02E+02	1.91E+03	8.02E+02	1.22E+01	0.00E+00	1.08E+00	1.02E+00	1.61E+04	6.17E+04	0.00E+00	1.28E+00	2.37E+00	2.49E+01	1.22E+02	1.82E+04	7.28E+03	9.94E+01	6.72E+02	2.54E+02	7.10E+01	0.00E+00	3.43E+00	1.22E+00	1.43E+04	2.62E+00	9.32E+02	0.00E+00	7.12E+01	1.22E+00	1.22E+00	7.12E+01	8.11E+01	8.22E+01	0.00E+00	0.00E+00	5.88E+03
HDA061Z	3004	1.41E+01	1.25E+01	1.04E+00	0.00E+00	0.00E+00	2.70E+00	2.03E+00	1.76E+04	1.07E+00	0.00E+00	1.07E+00	2.88E+00	5.93E+01	2.88E+02	5.45E+04	1.03E+02	1.16E+01	6.10E+00	5.12E+02	1.93E+00	0.00E+00	2.79E+00	3.54E+00	4.05E+04	1.21E+00	2.05E+01	0.00E+00	1.50E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.29E+02	
HDA063U	4424	2.07E+01	2.02E+02	1.27E+01	0.00E+00	0.00E+00	2.12E+00	2.03E+00	1.92E+04	1.37E+00	0.00E+00	3.73E+00	1.88E+00	4.99E+01	2.59E+02	4.46E+04	1.72E+02	5.22E+00	3.06E+04	7.12E+02	1.52E+00	0.00E+00	1.95E+00	2.64E+00	3.01E+04	8.16E+00	2.02E+01	0.00E+00	1.52E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.34E+02	
HDA063Z	4364	2.06E+01	3.52E+02	1.78E+01	0.00E+00	0.00E+00	2.22E+00	2.18E+00	2.04E+04	1.29E+00	0.00E+00	3.73E+00	1.87E+00	4.97E+01	2.59E+02	4.46E+04	1.72E+02	5.22E+00	3.06E+04	7.12E+02	1.52E+00	0.00E+00	1.95E+00	2.64E+00	3.01E+04	8.06E+00	2.02E+01	0.00E+00	1.52E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.29E+02	
HDA064U	7594	5.42E+01	3.32E+01	2.16E+01	1.66E+00	0.00E+00	3.06E+00	3.00E+00	2.82E+04	2.07E+00	0.00E+00	1.28E+00	2.37E+00	6.77E+01	3.26E+01	7.64E+04	2.06E+02	1.58E+01	1.42E+01	6.41E+02	2.22E+00	0.00E+00	3.21E+00	4.08E+00	4.72E+04	1.42E+01	3.95E+01	0.00E+00	2.27E+00	1.17E+00	2.27E+00	2.37E+01	3.05E+01	0.00E+00	0.00E+00	1.92E+02	
HDA064Z	6894	5.22E+01	3.06E+01	2.17E+01	1.64E+00	0.00E+00	3.06E+00	3.00E+00	2.82E+04	2.05E+00	0.00E+00	1.27E+00	2.36E+00	6.71E+01	3.26E+01	7.59E+04	2.04E+02	1.56E+01	1.39E+01	6.39E+02	2.22E+00	0.00E+00	3.21E+00	4.07E+00	4.72E+04	1.41E+01	3.95E+01	0.00E+00	2.24E+00	1.16E+00	2.24E+00	2.35E+01	3.03E+01	0.00E+00	0.00E+00	1.89E+02	
HDA078Z	3084	1.41E+01	1.25E+01	1.04E+00	0.00E+00	0.00E+00	2.70E+00	2.03E+00	1.76E+04	1.07E+00	0.00E+00	1.07E+00	2.88E+00	5.93E+01	2.88E+02	5.45E+04	1.03E+02	1.16E+01	6.10E+00	5.12E+02	1.93E+00	0.00E+00	2.79E+00	3.54E+00	4.05E+04	1.21E+00	2.05E+01	0.00E+00	1.50E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.29E+02	
HDA080U	4424	2.07E+01	2.02E+02	1.27E+01	0.00E+00	0.00E+00	2.12E+00	2.03E+00	1.92E+04	1.37E+00	0.00E+00	3.73E+00	1.88E+00	4.99E+01	2.59E+02	4.46E+04	1.72E+02	5.22E+00	3.06E+04	7.12E+02	1.52E+00	0.00E+00	1.95E+00	2.64E+00	3.01E+04	8.16E+00	2.02E+01	0.00E+00	1.52E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.34E+02	
HDA080Z	4424	2.07E+01	2.02E+02	1.27E+01	0.00E+00	0.00E+00	2.12E+00	2.03E+00	1.92E+04	1.37E+00	0.00E+00	3.73E+00	1.88E+00	4.99E+01	2.59E+02	4.46E+04	1.72E+02	5.22E+00	3.06E+04	7.12E+02	1.52E+00	0.00E+00	1.95E+00	2.64E+00	3.01E+04	8.16E+00	2.02E+01	0.00E+00	1.52E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.34E+02	
HDA081U	7394	5.17E+01	3.40E+01	2.31E+01	1.82E+00	0.00E+00	3.26E+00	3.16E+00	2.98E+04	2.03E+00	0.00E+00	1.38E+00	2.51E+00	7.14E+01	3.47E+01	8.12E+04	2.12E+02	1.74E+01	1.52E+01	6.64E+02	2.42E+00	0.00E+00	3.41E+00	4.32E+00	5.07E+04	1.51E+01	3.24E+01	0.00E+00	2.42E+00	1.32E+00	2.42E+00	2.72E+01	3.24E+01	0.00E+00	0.00E+00	2.02E+02	
HDA081Z	7214	5.48E+01	3.11E+01	2.27E+01	1.78E+00	0.00E+00	3.22E+00	3.16E+00	2.96E+04	2.10E+00	0.00E+00	1.32E+00	2.47E+00	7.02E+01	3.47E+01	7.89E+04	2.13E+02	1.69E+01	1.49E+01	6.59E+02	2.42E+00	0.00E+00	3.40E+00	4.29E+00	4.82E+04	1.48E+01	3.18E+01	0.00E+00	2.36E+00	1.22E+00	2.36E+00	2.68E+01	3.18E+01	0.00E+00	0.00E+00	1.89E+02	
HDA098Z	3084	1.41E+01	1.25E+01	1.04E+00	0.00E+00	0.00E+00	2.70E+00	2.03E+00	1.76E+04	1.07E+00	0.00E+00	1.07E+00	2.88E+00	5.93E+01	2.88E+02	5.45E+04	1.03E+02	1.16E+01	6.10E+00	5.12E+02	1.93E+00	0.00E+00	2.79E+00	3.54E+00	4.05E+04	1.21E+00	2.05E+01	0.00E+00	1.50E+00	3.76E+00	1.92E+00	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.29E+02	
HDA099P	3324	2.02E+01	1.46E+01	1.06E+01	7.91E+01	0.00E+00	1.48E+00	1.42E+00	1.37E+04	1.02E+00	0.00E+00	6.14E+00	1.18E+00	3.29E+01	1.58E+02	3.88E+04	8.92E+03	7.59E+02	6.72E+04	3.12E+02	1.12E+00	0.00E+00	1.52E+00	1.97E+00	2.28E+04	6.62E+00											



HHA016Z	439E	328E	178E	141E	935E	000E	137E	102E	181E	139E	000E	741E	132E	434E	211E	473E	131E	895E	821E	432E	142E	000E	202E	238E	238E	818E	100E	000E	143E	000E	697E	142E	142E	139E	000E	000E	000E	128E
HHA017Z	237E	805E	134E	840E	123E	000E	119E	106E	101E	614E	000E	128E	830E	248E	126E	182E	728E	946E	678E	354E	718E	000E	943E	126E	143E	343E	939E	000E	718E	128E	718E	141E	814E	939E	000E	000E	000E	946E
HHA018Z	244E	228E	148E	875E	768E	000E	124E	120E	144E	832E	000E	582E	800E	273E	144E	832E	777E	623E	247E	825E	000E	130E	167E	184E	588E	128E	000E	929E	518E	929E	130E	128E	000E	000E	000E	000E	776E	
HHA020Z	519E	388E	201E	182E	102E	000E	123E	123E	102E	102E	000E	934E	178E	591E	144E	516E	103E	103E	103E	000E	237E	000E	237E	319E	147E	000E	200E	100E										
HHA021P	742E	588E	335E	233E	102E	000E	329E	305E	301E	248E	000E	143E	254E	721E	358E	219E	183E	158E	158E	657E	242E	000E	347E	438E	000E	154E	339E	000E	243E	131E	242E	276E	328E	000E	000E	000E	269E	
HHA021Z	689E	529E	336E	217E	164E	000E	307E	286E	280E	209E	000E	127E	236E	673E	376E	173E	204E	159E	132E	640E	000E	316E	409E	406E	140E	344E	000E	225E	116E	225E	200E	304E	000E	000E	000E	189E		
HHA023Z	244E	228E	148E	875E	768E	000E	124E	120E	144E	832E	000E	582E	800E	273E	144E	832E	777E	623E	247E	825E	000E	130E	167E	184E	588E	128E	000E	929E	518E	929E	130E	128E	000E	000E	000E	000E	776E	
HHA024P	345E	288E	131E	107E	815E	000E	136E	136E	136E	000E	626E	117E	330E	115E	124E	101E	101E	101E	626E	314E	111E	000E	158E	208E	134E	846E	106E	000E	111E	574E	111E	104E	104E	000E	000E	000E	933E	
HHA025B	439E	388E	201E	182E	102E	000E	123E	123E	102E	102E	000E	934E	178E	591E	144E	516E	103E	103E	103E	000E	237E	000E	237E	319E	147E	000E	200E	100E										
HHA025S	439E	388E	201E	182E	102E	000E	123E	123E	102E	102E	000E	934E	178E	591E	144E	516E	103E	103E	103E	000E	237E	000E	237E	319E	147E	000E	200E	100E										
HHA025U	549E	441E	236E	175E	141E	000E	140E	130E	124E	104E	000E	107E	180E	545E	234E	107E	107E	107E	107E	688E	000E	285E	000E	333E	436E	116E	000E	144E										
HHA025Z	588E	488E	244E	181E	119E	000E	227E	212E	208E	152E	000E	928E	175E	696E	248E	154E	142E	142E	477E	188E	000E	235E	308E	347E	104E	225E	000E	168E	848E	168E	168E	225E	000E	000E	000E	149E		
HHA026B	689E	529E	336E	217E	164E	000E	307E	286E	280E	209E	000E	127E	236E	673E	376E	173E	204E	159E	132E	640E	000E	316E	409E	406E	140E	344E	000E	225E	116E	225E	200E	304E	000E	000E	000E	189E		
HHA026U	207E	802E	131E	802E	128E	000E	108E	108E	101E	612E	000E	128E	830E	248E	126E	182E	728E	946E	678E	354E	718E	000E	943E	126E	143E	343E	939E	000E	718E	128E	718E	141E	814E	939E	000E	000E	000E	946E
HHA026Z	207E	802E	131E	802E	128E	000E	108E	108E	101E	612E	000E	128E	830E	248E	126E	182E	728E	946E	678E	354E	718E	000E	943E	126E	143E	343E	939E	000E	718E	128E	718E	141E	814E	939E	000E	000E	000E	946E
HHA030Z	244E	228E	148E	875E	767E	000E	124E	120E	144E	832E	000E	581E	800E	272E	143E	831E	776E	623E	246E	824E	000E	130E	167E	184E	586E	128E	000E	929E	517E	929E	130E	128E	000E	000E	000E	775E		
HHA032Z	139E	389E	42E	546E	188E	000E	728E	788E	677E	339E	000E	376E	533E	185E	188E	111E	487E	144E	102E	239E	000E	603E	639E	124E	223E	620E	000E	466E	114E	466E	114E	823E	161E	823E	161E	000E	000E	376E
HHA033Z	207E	802E	131E	802E	128E	000E	108E	108E	101E	612E	000E	128E	830E	248E	126E	182E	728E	946E	678E	354E	718E	000E	943E	126E	143E	343E	939E	000E	718E	128E	718E	141E	814E	939E	000E	000E	000E	946E
HHA038Z	272E	218E	136E	846E	726E	000E	128E	118E	108E	829E	000E	536E	928E	263E	128E	337E	748E	639E	568E	234E	830E	000E	127E	161E	188E	568E	128E	000E	899E	488E	899E	128E	128E	000E	000E	000E	759E	
HHA039P	324E	244E	141E	105E	733E	000E	143E	136E	131E	959E	000E	588E	118E	344E	153E	152E	944E	718E	644E	312E	102E	000E	146E	188E	116E	633E	142E	000E	105E	538E	105E	116E	142E	000E	000E	682E		
HHA040B	439E	388E	201E	182E	102E	000E	123E	123E	102E	102E	000E	934E	178E	591E	144E	516E	103E	103E	103E	000E	237E	000E	237E	319E	147E	000E	200E	100E										
HHA040U	549E	441E	236E	175E	141E	000E	140E	130E	124E	104E	000E	107E	180E	545E	234E	107E	107E	107E	107E	688E	000E	285E	000E	333E	436E	116E	000E	144E										
HHA040Z	549E	441E	236E	175E	141E	000E	140E	130E	124E	104E	000E	107E	180E	545E	234E	107E	107E	107E	107E	688E	000E	285E	000E	333E	436E	116E	000E	144E										
HHA041B	689E	529E	336E	217E	164E	000E	307E	286E	280E	209E	000E	127E	236E	673E	376E	173E	204E	159E	132E	640E	000E	316E	409E	406E	140E	344E	000E	225E	116E	225E	200E	304E	000E	000E	000E	189E		
HHA041U	689E	529E	336E	217E	164E	000E	307E	286E	280E	209E	000E	127E	236E	673E	376E	173E	204E	159E	132E	640E	000E	316E	409E	406E	140E	344E	000E	225E	116E	225E	200E	304E	000E	000E	000E	189E		
HHA041Z	207E	802E	131E	802E	128E	000E	108E	108E	101E	612E	000E	128E	830E	248E	126E	182E	728E	946E	678E	354E	718E	000E	943E	126E	143E	343E	939E	000E	718E	128E	718E	141E	814E	939E	000E	000E	000E	946E
HHA048Z	242E	204E	127E	815E	696E	000E	115E	102E	105E	748E	000E	511E	819E	233E	123E	246E	748E	675E	587E	272E	102E	000E	123E	155E	176E	430E	116E	000E	856E	458E	856E	371E	116E	105E	000E	000E	721E	
HHA049P	342E	278E	162E	118E	833E	000E	133E	131E	142E	109E	000E	632E	128E	349E	142E	188E	102E	819E	712E	318E	147E	000E	182E	208E	238E	712E	154E	000E	114E	592E	114E	128E	154E	000E	000E	134E		
HHA050Z	519E	388E	201E	182E	102E	000E	123E	123E	102E	102E	000E	934E	178E	591E	144E	516E	103E	103E	103E	000E	237E	000E	237E	319E	147E	000E	200E	100E										
HHA061Z	308E	147E	232E	116E	000E	000E	137E	132E	142E	919E	000E	268E	118E	333E	172E	288E	107E	199E	202E	489E	102E	000E	141E	183E	123E	573E	141E	000E	105E	249E	105E	116E	105E	000E	000E	869E		
HHA062P	324E	244E	141E	105E	733E	000E	143E	136E	131E	959E	000E	588E	118E	344E	153E	152E	944E	718E	644E	312E	102E	000E	146E	188E	116E	633E	142E	000E	105E	538E	105E	116E	142E	000E	000E	682E		
HHA063B	507E	398E	213E	180E	100E	000E	130E	124E	104E	104E	000E	943E	174E	594E	143E	516E	103E	103E	103E	000E	237E	000E	237E	319E	147E	000E	200E	100E										
HHA063U	439E	388E	201E	182E	102E	000E	123E	123E	102E	102E	000E	934E	178E	591E	144E	516E	103E	103E	103E	000E	237E	000E	237E	319E	147E	000E	200E	100E										
HHA063Z	519E	388E	201E	182E	102E	000E	123E	123E	102E	102E	000E	934E	178E	591E	144E	516E	103E	103E	103E	000E	237E	000E	237E	319E	147E	000E	200E	100E										
HHA064B	689E	529E	336E	217E	164E	000E	307E	286E	280E	209E	000E	127E	236E	673E	376E	173E	204E	159E	132E	640E	000E	316E	409E	406E	140E	344E	000E	225E	116E	225E	200E	304E	000E	000E	000E	189E		
HHA064U	689E	529E	336E	217E	164E	000E	307E	286E	280E	209E	000E	127E	236																									







HNA050Z	519E-04	3.02E-01	2.29E-01	1.63E-01	1.22E-01	0.00E+00	2.32E-01	2.22E-01	2.10E-01	1.94E-01	0.00E+00	8.46E-01	1.77E-01	5.04E-01	2.45E-02	5.66E-04	1.03E-02	1.05E-01	1.03E-01	4.93E-02	1.63E-02	0.00E+00	2.39E-01	3.03E-01	3.55E-01	1.05E-01	2.27E-01	0.00E+00	1.68E-01	8.64E-01	1.62E-01	1.91E-01	2.27E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-02
HNA051M	5.01E-04	3.46E-01	1.83E-01	1.05E-01	8.19E-01	0.00E+00	2.31E-01	2.24E-01	2.12E-01	1.95E-01	0.00E+00	8.12E-01	1.77E-01	5.09E-01	2.44E-02	5.33E-04	1.04E-02	1.06E-01	1.03E-01	4.93E-02	1.63E-02	0.00E+00	2.39E-01	3.03E-01	3.55E-01	1.05E-01	2.27E-01	0.00E+00	1.68E-01	8.64E-01	1.62E-01	1.91E-01	2.27E-01	0.00E+00	0.00E+00	0.00E+00	1.38E-02
HNA063U	5.12E-04	3.90E-01	2.26E-01	1.02E-01	1.21E-01	0.00E+00	2.22E-01	2.22E-01	2.06E-01	1.93E-01	0.00E+00	8.36E-01	1.78E-01	5.03E-01	2.44E-02	5.66E-04	1.03E-02	1.05E-01	1.03E-01	4.79E-02	1.63E-02	0.00E+00	2.39E-01	3.03E-01	3.55E-01	1.04E-01	2.26E-01	0.00E+00	1.68E-01	8.58E-01	1.62E-01	1.90E-01	2.26E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-02
HNA063Z	5.12E-04	3.90E-01	2.26E-01	1.02E-01	1.21E-01	0.00E+00	2.22E-01	2.22E-01	2.06E-01	1.93E-01	0.00E+00	8.36E-01	1.78E-01	5.03E-01	2.44E-02	5.66E-04	1.03E-02	1.05E-01	1.03E-01	4.79E-02	1.63E-02	0.00E+00	2.39E-01	3.03E-01	3.55E-01	1.04E-01	2.26E-01	0.00E+00	1.68E-01	8.58E-01	1.62E-01	1.90E-01	2.26E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-02
HNA064S	7.62E-04	6.01E-01	3.62E-01	2.36E-01	1.95E-01	0.00E+00	3.38E-01	3.29E-01	3.08E-01	2.92E-01	0.00E+00	1.46E-02	2.01E-01	7.09E-01	3.69E-02	8.22E-04	2.25E-02	1.68E-01	1.62E-01	6.71E-02	2.53E-02	0.00E+00	3.55E-01	4.59E-01	5.22E-01	1.57E-01	3.37E-01	0.00E+00	2.59E-01	1.32E-01	2.32E-01	3.03E-01	3.75E-01	0.00E+00	0.00E+00	0.00E+00	2.16E-02
HNA064U	7.19E-04	5.59E-01	3.26E-01	2.26E-01	1.79E-01	0.00E+00	3.20E-01	3.10E-01	2.92E-01	2.76E-01	0.00E+00	1.34E-02	2.46E-01	7.01E-01	3.41E-02	7.95E-04	2.13E-02	1.66E-01	1.62E-01	6.51E-02	2.53E-02	0.00E+00	3.34E-01	4.24E-01	4.93E-01	1.47E-01	3.16E-01	0.00E+00	2.35E-01	1.22E-01	2.27E-01	3.16E-01	3.68E-01	0.00E+00	0.00E+00	0.00E+00	1.98E-02
HNA080M	2.55E-04	2.26E-01	1.19E-01	1.17E-01	3.69E-01	0.00E+00	1.22E-01	1.18E-01	1.08E-01	1.02E-01	0.00E+00	5.42E-01	1.22E-01	3.69E-01	1.77E-02	1.66E-04	1.06E-02	5.68E-01	5.62E-01	2.19E-02	1.18E-02	0.00E+00	1.62E-01	2.08E-01	2.49E-01	6.91E-02	0.00E+00	0.00E+00	1.16E-01	4.90E-01	1.16E-01	1.32E-01	1.59E-01	0.00E+00	0.00E+00	0.00E+00	9.78E-03
HNA080U	3.80E-01	3.80E-01	1.91E-01	1.01E-01	1.00E-01	0.00E+00	2.28E-01	2.22E-01	2.06E-01	1.95E-01	0.00E+00	9.26E-01	1.78E-01	4.97E-01	2.45E-02	5.57E-04	1.01E-02	1.04E-01	1.01E-01	4.79E-02	1.63E-02	0.00E+00	2.35E-01	2.99E-01	3.45E-01	1.03E-01	2.24E-01	0.00E+00	1.66E-01	8.49E-01	1.62E-01	1.90E-01	2.24E-01	0.00E+00	0.00E+00	0.00E+00	1.38E-02
HNA080Z	4.39E-04	3.22E-01	1.82E-01	1.14E-01	8.51E-01	0.00E+00	1.98E-01	1.92E-01	1.81E-01	1.73E-01	0.00E+00	7.68E-01	1.52E-01	4.33E-01	1.91E-02	4.76E-04	1.32E-02	9.10E-01	9.13E-01	4.31E-02	1.44E-02	0.00E+00	2.03E-01	2.59E-01	2.99E-01	8.02E-02	1.94E-01	0.00E+00	1.44E-01	7.02E-01	1.44E-01	1.62E-01	1.94E-01	0.00E+00	0.00E+00	0.00E+00	1.21E-02
HNA081U	6.96E-04	5.34E-01	3.16E-01	2.20E-01	1.68E-01	0.00E+00	3.13E-01	3.05E-01	2.86E-01	2.69E-01	0.00E+00	1.29E-02	2.36E-01	8.93E-01	3.93E-02	7.68E-04	2.26E-02	1.04E-01	1.03E-01	6.41E-02	2.29E-02	0.00E+00	3.22E-01	4.18E-01	4.79E-01	1.42E-01	3.08E-01	0.00E+00	2.28E-01	1.18E-01	2.29E-01	2.99E-01	3.69E-01	0.00E+00	0.00E+00	0.00E+00	1.91E-02
HNA100U	4.24E-04	3.10E-01	1.75E-01	1.37E-01	5.03E-01	0.00E+00	2.20E-01	2.20E-01	2.06E-01	1.97E-01	0.00E+00	7.37E-01	1.48E-01	4.97E-01	2.45E-02	5.57E-04	1.01E-02	1.04E-01	1.03E-01	4.79E-02	1.63E-02	0.00E+00	2.35E-01	2.99E-01	3.45E-01	1.03E-01	2.24E-01	0.00E+00	1.66E-01	8.49E-01	1.62E-01	1.90E-01	2.24E-01	0.00E+00	0.00E+00	0.00E+00	1.38E-02
HNA100Z	4.54E-04	3.38E-01	1.92E-01	1.45E-01	1.01E-01	0.00E+00	2.04E-01	1.99E-01	1.87E-01	1.80E-01	0.00E+00	8.07E-01	1.57E-01	4.69E-01	2.18E-02	4.95E-04	1.36E-02	8.69E-01	8.72E-01	4.41E-02	1.44E-02	0.00E+00	2.10E-01	2.68E-01	3.18E-01	9.35E-02	2.01E-01	0.00E+00	1.49E-01	7.38E-01	1.49E-01	1.69E-01	2.01E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-02
HNA101U	7.21E-04	5.98E-01	3.31E-01	2.27E-01	1.77E-01	0.00E+00	3.20E-01	3.11E-01	2.92E-01	2.76E-01	0.00E+00	1.35E-02	2.47E-01	7.03E-01	3.43E-02	7.96E-04	2.13E-02	1.06E-01	1.03E-01	6.59E-02	2.53E-02	0.00E+00	3.35E-01	4.29E-01	4.93E-01	1.48E-01	3.16E-01	0.00E+00	2.36E-01	1.22E-01	2.29E-01	3.16E-01	3.68E-01	0.00E+00	0.00E+00	0.00E+00	1.98E-02
HNA125M	1.54E-04	2.22E-02	1.05E-02	6.35E-02	1.22E-01	0.00E+00	4.22E-01	4.02E-01	3.74E-01	3.52E-01	0.00E+00	7.07E-04	6.28E-01	1.87E-01	6.18E-02	1.22E-04	5.23E-03	1.28E-01	1.28E-01	2.18E-02	1.18E-02	0.00E+00	2.18E-01	2.80E-01	3.29E-01	1.07E-01	2.44E-01	0.00E+00	3.22E-01	7.17E-01	2.52E-01	3.09E-01	3.74E-01	0.00E+00	0.00E+00	0.00E+00	4.37E-03
HNA125U	5.11E-04	3.80E-01	2.24E-01	1.02E-01	1.21E-01	0.00E+00	2.22E-01	2.22E-01	2.06E-01	1.93E-01	0.00E+00	8.12E-01	1.77E-01	5.04E-01	2.44E-02	5.66E-04	1.03E-02	1.05E-01	1.03E-01	4.79E-02	1.63E-02	0.00E+00	2.39E-01	3.03E-01	3.55E-01	1.04E-01	2.26E-01	0.00E+00	1.68E-01	8.58E-01	1.62E-01	1.90E-01	2.26E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-02
HNA125Z	5.14E-04	3.91E-01	2.28E-01	1.03E-01	1.21E-01	0.00E+00	2.23E-01	2.23E-01	2.07E-01	1.94E-01	0.00E+00	8.43E-01	1.77E-01	5.04E-01	2.45E-02	5.66E-04	1.03E-02	1.05E-01	1.03E-01	4.81E-02	1.64E-02	0.00E+00	2.39E-01	3.03E-01	3.55E-01	1.04E-01	2.27E-01	0.00E+00	1.68E-01	8.61E-01	1.62E-01	1.91E-01	2.27E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-02
HNA126U	6.89E-04	5.27E-01	3.16E-01	2.20E-01	1.68E-01	0.00E+00	3.13E-01	3.05E-01	2.86E-01	2.69E-01	0.00E+00	1.27E-02	2.37E-01	8.74E-01	3.93E-02	7.68E-04	2.26E-02	1.04E-01	1.03E-01	6.41E-02	2.29E-02	0.00E+00	3.22E-01	4.18E-01	4.79E-01	1.42E-01	3.08E-01	0.00E+00	2.28E-01	1.18E-01	2.29E-01	2.99E-01	3.69E-01	0.00E+00	0.00E+00	0.00E+00	1.90E-02
HNA126Z	6.89E-04	5.27E-01	3.16E-01	2.20E-01	1.68E-01	0.00E+00	3.13E-01	3.05E-01	2.86E-01	2.69E-01	0.00E+00	1.27E-02	2.37E-01	8.74E-01	3.93E-02	7.68E-04	2.26E-02	1.04E-01	1.03E-01	6.41E-02	2.29E-02	0.00E+00	3.22E-01	4.18E-01	4.79E-01	1.42E-01	3.08E-01	0.00E+00	2.28E-01	1.18E-01	2.29E-01	2.99E-01	3.69E-01	0.00E+00	0.00E+00	0.00E+00	1.90E-02
HNA160M	3.62E-04	2.48E-01	1.26E-01	1.21E-01	6.35E-01	0.00E+00	1.68E-01	1.64E-01	1.52E-01	1.46E-01	0.00E+00	5.76E-01	1.30E-01	3.73E-01	1.83E-02	3.89E-04	1.13E-02	6.14E-02	6.04E-02	4.99E-02	1.21E-02	0.00E+00	1.69E-01	2.18E-01	2.59E-01	7.22E-02	1.63E-01	0.00E+00	1.21E-01	5.29E-01	1.21E-01	1.37E-01	1.63E-01	0.00E+00	0.00E+00	0.00E+00	1.61E-02
HNA160S	5.05E-04	3.54E-01	2.26E-01	1.02E-01	1.16E-01	0.00E+00	2.25E-01	2.16E-01	2.02E-01	1.91E-01	0.00E+00	8.17E-01	1.74E-01	4.99E-01	2.41E-02	5.55E-04	1.05E-02	1.04E-01	1.01E-01	4.72E-02	1.62E-02	0.00E+00	2.34E-01	2.98E-01	3.45E-01	1.03E-01	2.23E-01	0.00E+00	1.65E-01	8.49E-01	1.62E-01	1.90E-01	2.23E-01	0.00E+00	0.00E+00	0.00E+00	1.39E-02
HNA160U	5.12E-04	3.90E-01	2.27E-01	1.02E-01	1.20E-01	0.00E+00	2.22E-01	2.22E-01	2.06E-01	1.93E-01	0.00E+00	8.37E-01	1.78E-01	5.03E-01	2.44E-02	5.66E-04	1.03E-02	1.05E-01	1.03E-01	4.82E-02	1.63E-02	0.00E+00	2.39E-01	3.03E-01	3.55E-01	1.04E-01	2.26E-01	0.00E+00	1.68E-01	8.59E-01	1.62E-01	1.90E-01	2.26E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-02
HNA160Z	5.39E-04	4.10E-01	2.41E-01	1.03E-01	1.23E-01	0.00E+00	2.23E-01	2.16E-01	2.02E-01	1.91E-01	0.00E+00	1.01E-02	1.88E-01	5.91E-01	2.46E-02	5.59E-04	1.05E-02	1.06E-01	1.01E-01	4.93E-02	1.70E-02	0.00E+00	2.35E-01	2.99E-01	3.45E-01	1.03E-01	2.24E-01	0.00E+00	1.67E-01	8.29E-01	1.62E-01	1.90E-01	2.24E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-02
HNA161S	4.39E-04	3.22E-01	1.82E-01	1.14E-01	8.51E-01	0.00E+00	1.98E-01	1.92E-01	1.81E-01	1.73E-01	0.00E+00	1.01E-02	1.46E-01	4.93E-01	1.93E-02	4.16E-04	1.20E-02	9.10E-01	9.13E-01	4.31E-02	1.44E-02	0.00E+00	2.03E-01	2.59E-01	2.99E-01	8.02E-02	1.94E-01	0.00E+00	1.44E-01	7.02E-01	1.44E-01	1.62E-01	1.94E-01	0.00E+00	0.00E+00	0.00E+00	1.21E-02
HNA161U	6.87E-04	5.25E-01	3.17E-01	2.19E-01	1.67E-01	0.00E+00	3.12E-01	3.04E-01	2.85E-01	2.68E-01	0.00E+00	1.27E-02	2.37E-01	8.74E-01	3.93E-02	7.68E-04	2.26E-02	1.04E-01	1.03E-01	6.41E-02	2.29E-02	0.00E+00	3.22E-01	4.18E-01	4.79E-01	1.42E-01	3.08E-01	0.00E+00	2.28E-01	1.18E-01	2.29E-01	2.99E-01	3.69E-01	0.00E+00	0.00E+00	0.00E+00	1.90E-02
HNB100H	5.49E-04	3.21E-01	1.44E-01	1.01E-01	1.01E-01	0.00E+00	2.28E-01	2.22E-01	2.06E-01	1.95E-01	0.00E+00	4.72E-01	2.39E-01	6.29E-01	2.46E-02	5.49E-04	1.02E-02	1.03E-01	1.03E-01	4.79E-02	1.63E-02	0.00E+00	2.35E-01	2.99E-01	3.45E-01	1.03E-01	2.24E-01	0.00E+00	1.66E-01	8.49E-01	1.62E-01	1.90E-01	2.24E-01	0.0			



Use  
B-H7

HNT200DR	1010-0	7870-0	4.710-0	3.170-0	2.470-0	0.000-0	4.470-0	4.350-0	4.050-0	3.020-0	0.000-0	1.800-0	3.400-0	9.700-0	4.700-0	1.100-0	2.870-0	2.400-0	2.100-0	9.100-0	3.200-0	0.000-0	4.070-0	5.930-0	6.800-0	2.070-0	4.400-0	0.000-0	3.200-0	1.710-0	3.200-0	3.720-0	4.400-0	0.000-0	0.000-0	0.000-0	2.770-0
HNT200DR-690	1100-0	9300-0	5.700-0	3.000-0	3.120-0	0.000-0	5.100-0	4.980-0	4.680-0	3.510-0	0.000-0	2.260-0	3.900-0	1.120-0	4.100-0	1.310-0	3.410-0	2.970-0	2.500-0	9.900-0	3.300-0	0.000-0	4.540-0	6.800-0	7.970-0	2.420-0	5.100-0	0.000-0	3.610-0	2.000-0	3.910-0	4.300-0	5.100-0	0.000-0	0.000-0	0.000-0	3.210-0
HNT201BR	1010-0	7880-0	4.710-0	3.170-0	2.510-0	0.000-0	4.480-0	4.350-0	4.100-0	3.030-0	0.000-0	1.800-0	3.400-0	9.800-0	4.700-0	1.100-0	2.950-0	2.400-0	2.100-0	9.100-0	3.200-0	0.000-0	4.090-0	5.930-0	6.800-0	2.080-0	4.400-0	0.000-0	3.300-0	1.720-0	3.200-0	3.720-0	4.400-0	0.000-0	0.000-0	0.000-0	2.780-0
HNT201DR	1010-0	7900-0	4.720-0	3.180-0	2.510-0	0.000-0	4.490-0	4.360-0	4.110-0	3.040-0	0.000-0	1.800-0	3.410-0	9.850-0	4.750-0	1.100-0	2.950-0	2.410-0	2.100-0	9.150-0	3.250-0	0.000-0	4.090-0	5.930-0	6.800-0	2.080-0	4.410-0	0.000-0	3.310-0	1.720-0	3.200-0	3.720-0	4.400-0	0.000-0	0.000-0	0.000-0	2.790-0
HNT202DR	1010-0	7920-0	4.730-0	3.190-0	2.510-0	0.000-0	4.490-0	4.370-0	4.120-0	3.040-0	0.000-0	1.800-0	3.420-0	9.850-0	4.750-0	1.100-0	2.950-0	2.410-0	2.100-0	9.150-0	3.250-0	0.000-0	4.090-0	5.930-0	6.800-0	2.080-0	4.410-0	0.000-0	3.310-0	1.720-0	3.200-0	3.720-0	4.400-0	0.000-0	0.000-0	0.000-0	2.790-0
HNT250BR	1000-0	7820-0	4.600-0	3.100-0	2.400-0	0.000-0	4.400-0	4.300-0	4.000-0	3.010-0	0.000-0	1.800-0	3.400-0	9.700-0	4.600-0	1.100-0	2.800-0	2.300-0	2.100-0	9.000-0	3.200-0	0.000-0	4.000-0	5.910-0	6.800-0	2.070-0	4.400-0	0.000-0	3.200-0	1.700-0	3.200-0	3.700-0	4.400-0	0.000-0	0.000-0	0.000-0	2.700-0
HNT250DR	1000-0	7820-0	4.700-0	3.100-0	2.400-0	0.000-0	4.400-0	4.340-0	4.080-0	3.010-0	0.000-0	1.800-0	3.400-0	9.700-0	4.600-0	1.100-0	2.870-0	2.300-0	2.100-0	9.000-0	3.200-0	0.000-0	4.000-0	5.910-0	6.800-0	2.070-0	4.400-0	0.000-0	3.200-0	1.700-0	3.200-0	3.700-0	4.400-0	0.000-0	0.000-0	0.000-0	2.700-0
HNT250DR-690	1110-0	9300-0	5.700-0	3.000-0	3.120-0	0.000-0	5.100-0	4.980-0	4.680-0	3.510-0	0.000-0	2.260-0	3.900-0	1.120-0	4.100-0	1.310-0	3.410-0	2.970-0	2.500-0	9.900-0	3.300-0	0.000-0	4.540-0	6.800-0	7.970-0	2.420-0	5.100-0	0.000-0	3.610-0	2.000-0	3.910-0	4.300-0	5.100-0	0.000-0	0.000-0	0.000-0	3.210-0
HNT251BR	1010-0	7880-0	4.710-0	3.170-0	2.510-0	0.000-0	4.480-0	4.350-0	4.100-0	3.030-0	0.000-0	1.800-0	3.400-0	9.800-0	4.700-0	1.100-0	2.950-0	2.400-0	2.100-0	9.100-0	3.200-0	0.000-0	4.090-0	5.930-0	6.800-0	2.080-0	4.400-0	0.000-0	3.300-0	1.720-0	3.200-0	3.720-0	4.400-0	0.000-0	0.000-0	0.000-0	2.780-0
HNT251DR-690	1400-0	1100-0	7.200-0	4.000-0	3.900-0	0.000-0	6.500-0	6.300-0	6.000-0	4.470-0	0.000-0	2.900-0	5.000-0	1.430-0	6.970-0	1.670-0	5.300-0	3.760-0	3.200-0	12.000-0	4.800-0	0.000-0	6.930-0	6.780-0	10.000-0	3.000-0	6.570-0	0.000-0	4.600-0	2.600-0	4.800-0	5.510-0	6.570-0	0.000-0	0.000-0	0.000-0	4.000-0
HNT252DR	1010-0	7880-0	4.710-0	3.170-0	2.510-0	0.000-0	4.480-0	4.350-0	4.100-0	3.030-0	0.000-0	1.800-0	3.400-0	9.800-0	4.700-0	1.100-0	2.950-0	2.400-0	2.100-0	9.100-0	3.200-0	0.000-0	4.090-0	5.930-0	6.800-0	2.080-0	4.400-0	0.000-0	3.300-0	1.720-0	3.200-0	3.720-0	4.400-0	0.000-0	0.000-0	0.000-0	2.780-0
HNW320BR	2070-0	1320-0	3.100-0	1.900-0	0.000-0	0.000-0	1.300-0	1.300-0	1.200-0	7.600-0	0.000-0	3.210-0	1.040-0	3.000-0	1.000-0	2.310-0	9.300-0	1.610-0	1.700-0	4.100-0	9.100-0	0.000-0	1.220-0	1.000-0	1.840-0	4.600-0	1.220-0	0.000-0	9.100-0	2.270-0	9.100-0	1.940-0	1.220-0	0.000-0	0.000-0	0.000-0	7.910-0
HNW321BR	3270-0	1400-0	2.070-0	1.200-0	0.000-0	0.000-0	1.670-0	1.620-0	1.540-0	9.600-0	0.000-0	2.020-0	1.270-0	3.740-0	1.830-0	3.070-0	1.120-0	1.900-0	2.140-0	5.070-0	1.120-0	0.000-0	1.490-0	1.900-0	2.250-0	3.900-0	1.490-0	0.000-0	1.120-0	2.700-0	1.120-0	1.270-0	1.490-0	0.000-0	0.000-0	0.000-0	9.100-0
HNW500BR	2320-0	1000-0	1.000-0	8.070-0	0.000-0	0.000-0	1.100-0	1.100-0	1.080-0	6.600-0	0.000-0	2.000-0	0.000-0	2.000-0	1.000-0	2.100-0	7.870-0	1.380-0	1.520-0	3.500-0	7.910-0	0.000-0	1.000-0	1.000-0	1.000-0	4.100-0	1.000-0	0.000-0	7.910-0	1.970-0	7.910-0	9.070-0	1.000-0	0.000-0	0.000-0	6.100-0	
HNW501BR	3270-0	1400-0	2.070-0	1.220-0	0.000-0	0.000-0	1.670-0	1.620-0	1.540-0	9.600-0	0.000-0	2.020-0	1.270-0	3.740-0	1.830-0	3.070-0	1.120-0	1.900-0	2.140-0	5.070-0	1.120-0	0.000-0	1.490-0	1.900-0	2.250-0	3.900-0	1.490-0	0.000-0	1.120-0	2.700-0	1.120-0	1.270-0	1.490-0	0.000-0	0.000-0	0.000-0	9.100-0
HPW320BR	2070-0	1320-0	3.100-0	1.900-0	0.000-0	0.000-0	1.300-0	1.300-0	1.200-0	7.600-0	0.000-0	3.210-0	1.040-0	3.000-0	1.000-0	2.310-0	9.300-0	1.610-0	1.700-0	4.100-0	9.100-0	0.000-0	1.220-0	1.000-0	1.840-0	4.600-0	1.220-0	0.000-0	9.100-0	2.270-0	9.100-0	1.940-0	1.220-0	0.000-0	0.000-0	0.000-0	7.910-0
HPW321BR	3270-0	1400-0	2.070-0	1.220-0	0.000-0	0.000-0	1.670-0	1.620-0	1.540-0	9.600-0	0.000-0	2.020-0	1.270-0	3.740-0	1.830-0	3.070-0	1.120-0	1.900-0	2.140-0	5.070-0	1.120-0	0.000-0	1.490-0	1.900-0	2.250-0	3.900-0	1.490-0	0.000-0	1.120-0	2.700-0	1.120-0	1.270-0	1.490-0	0.000-0	0.000-0	0.000-0	9.100-0
HPW500BR	2320-0	1000-0	1.000-0	8.070-0	0.000-0	0.000-0	1.100-0	1.100-0	1.080-0	6.600-0	0.000-0	2.000-0	0.000-0	2.000-0	1.000-0	2.100-0	7.870-0	1.380-0	1.520-0	3.500-0	7.910-0	0.000-0	1.000-0	1.000-0	1.000-0	4.100-0	1.000-0	0.000-0	7.910-0	1.970-0	7.910-0	9.070-0	1.000-0	0.000-0	0.000-0	6.100-0	
HPW501BR	3270-0	1400-0	2.070-0	1.220-0	0.000-0	0.000-0	1.670-0	1.620-0	1.540-0	9.600-0	0.000-0	2.020-0	1.270-0	3.740-0	1.830-0	3.070-0	1.120-0	1.900-0	2.140-0	5.070-0	1.120-0	0.000-0	1.490-0	1.900-0	2.250-0	3.900-0	1.490-0	0.000-0	1.120-0	2.700-0	1.120-0	1.270-0	1.490-0	0.000-0	0.000-0	0.000-0	9.100-0
HPW632DE	3270-0	1400-0	2.070-0	1.220-0	0.000-0	0.000-0	1.670-0	1.620-0	1.540-0	9.600-0	0.000-0	2.020-0	1.270-0	3.740-0	1.830-0	3.070-0	1.120-0	1.900-0	2.140-0	5.070-0	1.120-0	0.000-0	1.490-0	1.900-0	2.250-0	3.900-0	1.490-0	0.000-0	1.120-0	2.700-0	1.120-0	1.270-0	1.490-0	0.000-0	0.000-0	0.000-0	9.100-0
HNT251DR	1410-0	2.000-0	2.000-0	2.000-0	0.000-0	0.000-0	4.000-0	4.000-0	4.000-0	2.000-0	0.000-0	7.400-0	3.000-0	7.800-0	3.000-0	7.140-0	0.000-0	0.000-0	4.700-0	4.000-0	6.400-0	0.000-0	1.100-0	1.100-0	2.200-0	3.070-0	1.100-0	0.000-0	6.400-0	8.700-0	6.400-0	7.970-0	1.100-0	0.000-0	0.000-0	0.000-0	2.040-0
CBF3F30R0D	9040-0	1.700-0	3.510-0	1.700-0	0.000-0	0.000-0	2.000-0	1.950-0	1.700-0	0.000-0	5.000-0	2.140-0	5.000-0	2.200-0	4.610-0	0.000-0	0.000-0	3.070-0	2.640-0	4.170-0	0.000-0	7.000-0	7.100-0	3.300-0	6.200-0	8.800-0	0.000-0	4.170-0	5.600-0	4.170-0	5.100-0	9.800-0	0.000-0	0.000-0	0.000-0	1.310-0	
CBF3F40R	9040-0	1.700-0	3.510-0	1.700-0	0.000-0	0.000-0	2.000-0	1.950-0	1.700-0	0.000-0	5.000-0	2.140-0	5.000-0	2.200-0	4.610-0	0.000-0	0.000-0	3.070-0	2.640-0	4.170-0	0.000-0	7.000-0	7.100-0	3.300-0	6.200-0	8.800-0	0.000-0	4.170-0	5.600-0	4.170-0	5.100-0	9.800-0	0.000-0	0.000-0	0.000-0	1.310-0	
CBF3F50R	9040-0	1.700-0	3.510-0	1.700-0	0.000-0	0.000-0	2.000-0	1.950-0	1.700-0	0.000-0	5.000-0	2.140-0	5.000-0	2.200-0	4.610-0	0.000-0	0.000-0	3.070-0	2.640-0	4.170-0	0.000-0	7.000-0	7.100-0	3.300-0	6.200-0	8.800-0	0.000-0	4.170-0	5.600-0	4.170-0	5.100-0	9.800-0	0.000-0	0.000-0	0.000-0	1.310-0	
CBF3E150Y0	9040-0	1.700-0	3.510-0	1.700-0	0.000-0	0.000-0	2.000-0	1.950-0	1.700-0	0.000-0	5.000-0	2.140-0	5.000-0	2.200-0	4.610-0	0.000-0	0.000-0	3.070-0	2.640-0	4.170-0	0.000-0	7.000-0	7.100-0	3.300-0	6.200-0	8.800-0	0.000-0	4.170-0	5.600-0	4.170-0	5.100-0	9.800-0	0.000-0	0.000-0	0.000-0	1.310-0	
CBUE20R00	9040-0	1.700-0	3.510-0	1.700-0	0.000-0	0.000-0	2.000-0	1.950-0	1.700-0	0.000-0	5.000-0	2.140-0	5.000-0	2.200-0	4.610-0	0.000-0	0.000-0	3.070-0	2.640-0	4.170-0	0.000-0	7.000-0	7.100-0	3.300-0	6.200-0	8.800-0	0.000-0	4.170-0	5.600-0	4.170-0	5.100-0	9.800-0	0.000-0	0.000-0	0.000-0	1.310-0	
CBUE20Y00	9040-0	1.700-0	3.510-0	1.700-0	0.000-0	0.000-0	2.000-0	1.950-0	1.700-0	0.000-0	5.000-0	2.140-0	5.000-0	2.200-0	4.610-0	0.000-0	0.000-0	3.070-0	2.640-0	4.170-0	0.000-0	7.000-0	7.100-0	3.300-0	6.200-0	8.800-0	0.000-0	4.170-0	5.600-0	4.170-0	5.100-0	9.800-0	0.000-0	0.000-0	0.000-0	1.310-0	
CBUE20R00	9040-0	1.700-0	3.510-0	1																																	









































CVU4F60R00	8492.00	1.18E+00	1.97E+01	1.06E+00	0.00E+00	0.00E+00	8.14E+00	1.02E+00	5.88E+00	9.81E+00	0.00E+00	-2.15E+02	1.55E+00	8.28E+00	4.17E+02	2.55E+00	3.01E+00	0.00E+00	5.58E+00	2.92E+01	1.18E+01	0.00E+00	7.98E+00	3.81E+00	2.73E+03	7.04E+00	1.07E+00	0.00E+00	1.10E+01	-7.91E+08	1.18E+01	1.18E+01	1.07E+00	0.00E+00	0.00E+00	2.05E+02
CVU4F63T00	8492.00	1.18E+00	1.97E+01	1.06E+00	0.00E+00	0.00E+00	8.14E+00	1.02E+00	5.88E+00	9.81E+00	0.00E+00	-2.15E+02	1.55E+00	8.28E+00	4.17E+02	2.55E+00	3.01E+00	0.00E+00	5.58E+00	2.92E+01	1.18E+01	0.00E+00	7.98E+00	3.81E+00	2.73E+03	7.04E+00	1.07E+00	0.00E+00	1.10E+01	-7.91E+08	1.18E+01	1.18E+01	1.07E+00	0.00E+00	0.00E+00	2.05E+02
CVU4F75R00	8492.00	1.12E+00	1.68E+01	8.83E+00	0.00E+00	0.00E+00	7.78E+00	1.38E+00	5.29E+00	8.70E+00	0.00E+00	-2.02E+02	1.55E+00	7.47E+00	4.17E+02	2.27E+00	2.82E+00	0.00E+00	5.58E+00	2.73E+01	9.71E+00	0.00E+00	6.78E+00	3.81E+00	2.51E+03	6.16E+00	1.02E+00	0.00E+00	9.71E+00	-3.17E+08	9.71E+00	1.05E+01	1.05E+00	0.00E+00	0.00E+00	2.05E+02
CVU4F80T00	8492.00	1.12E+00	1.68E+01	8.83E+00	0.00E+00	0.00E+00	7.78E+00	1.38E+00	5.29E+00	8.70E+00	0.00E+00	-2.02E+02	1.55E+00	7.47E+00	4.17E+02	2.27E+00	2.82E+00	0.00E+00	5.58E+00	2.73E+01	9.71E+00	0.00E+00	6.78E+00	3.81E+00	2.51E+03	6.16E+00	1.02E+00	0.00E+00	9.71E+00	-3.17E+08	9.71E+00	1.05E+01	1.05E+00	0.00E+00	0.00E+00	2.05E+02
CVU4FA0R00	8492.00	1.12E+00	1.68E+01	8.83E+00	0.00E+00	0.00E+00	7.78E+00	1.38E+00	5.29E+00	8.70E+00	0.00E+00	-2.02E+02	1.55E+00	7.47E+00	4.17E+02	2.27E+00	2.82E+00	0.00E+00	5.58E+00	2.73E+01	9.71E+00	0.00E+00	6.78E+00	3.81E+00	2.51E+03	6.16E+00	1.02E+00	0.00E+00	9.71E+00	-3.17E+08	9.71E+00	1.05E+01	1.05E+00	0.00E+00	0.00E+00	2.05E+02
CVU4FA0T00	8492.00	1.12E+00	1.68E+01	8.83E+00	0.00E+00	0.00E+00	7.78E+00	1.38E+00	5.29E+00	8.70E+00	0.00E+00	-2.02E+02	1.55E+00	7.47E+00	4.17E+02	2.27E+00	2.82E+00	0.00E+00	5.58E+00	2.73E+01	9.71E+00	0.00E+00	6.78E+00	3.81E+00	2.51E+03	6.16E+00	1.02E+00	0.00E+00	9.71E+00	-3.17E+08	9.71E+00	1.05E+01	1.05E+00	0.00E+00	0.00E+00	2.05E+02
CVU4FABR00	8728.00	1.12E+00	1.68E+01	8.84E+00	0.00E+00	0.00E+00	7.78E+00	1.38E+00	5.30E+00	8.72E+00	0.00E+00	-2.02E+02	1.55E+00	7.50E+00	4.18E+02	2.28E+00	2.83E+00	0.00E+00	5.61E+00	2.73E+01	9.72E+00	0.00E+00	6.79E+00	3.82E+00	2.52E+03	6.20E+00	1.02E+00	0.00E+00	9.72E+00	-3.48E+08	9.72E+00	1.05E+01	1.05E+00	0.00E+00	0.00E+00	2.06E+02
CVU4FABT00	8728.00	1.12E+00	1.68E+01	8.84E+00	0.00E+00	0.00E+00	7.78E+00	1.38E+00	5.30E+00	8.72E+00	0.00E+00	-2.02E+02	1.55E+00	7.50E+00	4.18E+02	2.28E+00	2.83E+00	0.00E+00	5.61E+00	2.73E+01	9.72E+00	0.00E+00	6.79E+00	3.82E+00	2.52E+03	6.20E+00	1.02E+00	0.00E+00	9.72E+00	-3.48E+08	9.72E+00	1.05E+01	1.05E+00	0.00E+00	0.00E+00	2.06E+02
CVU4FAFR00	8728.00	1.12E+00	1.68E+01	8.84E+00	0.00E+00	0.00E+00	7.78E+00	1.38E+00	5.31E+00	8.73E+00	0.00E+00	-2.02E+02	1.55E+00	7.53E+00	4.18E+02	2.28E+00	2.83E+00	0.00E+00	5.61E+00	2.73E+01	9.72E+00	0.00E+00	6.79E+00	3.82E+00	2.52E+03	6.20E+00	1.02E+00	0.00E+00	9.72E+00	-3.51E+08	9.72E+00	1.05E+01	1.05E+00	0.00E+00	0.00E+00	2.07E+02
CVU4FAFT00	8728.00	1.12E+00	1.68E+01	8.84E+00	0.00E+00	0.00E+00	7.78E+00	1.38E+00	5.31E+00	8.73E+00	0.00E+00	-2.02E+02	1.55E+00	7.53E+00	4.18E+02	2.28E+00	2.83E+00	0.00E+00	5.61E+00	2.73E+01	9.72E+00	0.00E+00	6.79E+00	3.82E+00	2.52E+03	6.20E+00	1.02E+00	0.00E+00	9.72E+00	-3.51E+08	9.72E+00	1.05E+01	1.05E+00	0.00E+00	0.00E+00	2.07E+02
CVV3F25TDF	1228.00	1.29E+00	1.80E+01	1.31E+00	0.00E+00	0.00E+00	1.03E+00	1.60E+00	1.00E+00	1.13E+00	0.00E+00	-2.08E+02	1.40E+00	8.03E+00	4.91E+02	3.25E+00	3.06E+00	0.00E+00	5.97E+00	2.80E+01	1.17E+01	0.00E+00	8.42E+00	4.91E+02	3.25E+03	7.04E+00	1.17E+00	0.00E+00	1.17E+01	-6.01E+08	1.17E+01	1.21E+01	1.17E+00	0.00E+00	0.00E+00	2.16E+02
CVV3F32TDF	1228.00	1.29E+00	1.80E+01	1.31E+00	0.00E+00	0.00E+00	1.03E+00	1.60E+00	1.00E+00	1.13E+00	0.00E+00	-2.08E+02	1.40E+00	8.03E+00	4.91E+02	3.25E+00	3.06E+00	0.00E+00	5.97E+00	2.80E+01	1.17E+01	0.00E+00	8.42E+00	4.91E+02	3.25E+03	7.04E+00	1.17E+00	0.00E+00	1.17E+01	-6.02E+08	1.17E+01	1.21E+01	1.17E+00	0.00E+00	0.00E+00	2.16E+02
CVV3F40TDF	1228.00	1.29E+00	1.80E+01	1.31E+00	0.00E+00	0.00E+00	1.03E+00	1.60E+00	1.00E+00	1.13E+00	0.00E+00	-2.08E+02	1.40E+00	8.03E+00	4.91E+02	3.25E+00	3.06E+00	0.00E+00	5.97E+00	2.80E+01	1.17E+01	0.00E+00	8.42E+00	4.91E+02	3.25E+03	7.04E+00	1.17E+00	0.00E+00	1.17E+01	-6.04E+08	1.17E+01	1.21E+01	1.17E+00	0.00E+00	0.00E+00	2.16E+02
CVV3F83TDF	1228.00	1.29E+00	1.81E+01	1.31E+00	0.00E+00	0.00E+00	1.03E+00	1.60E+00	1.00E+00	1.13E+00	0.00E+00	-2.08E+02	1.40E+00	8.03E+00	4.91E+02	3.25E+00	3.06E+00	0.00E+00	5.97E+00	2.80E+01	1.17E+01	0.00E+00	8.42E+00	4.91E+02	3.25E+03	7.04E+00	1.17E+00	0.00E+00	1.17E+01	-6.07E+08	1.17E+01	1.21E+01	1.17E+00	0.00E+00	0.00E+00	2.16E+02
CVV3F80TDF	1228.00	1.29E+00	1.81E+01	1.31E+00	0.00E+00	0.00E+00	1.03E+00	1.60E+00	1.00E+00	1.13E+00	0.00E+00	-2.08E+02	1.40E+00	8.03E+00	4.91E+02	3.25E+00	3.06E+00	0.00E+00	5.97E+00	2.80E+01	1.17E+01	0.00E+00	8.42E+00	4.91E+02	3.25E+03	7.04E+00	1.17E+00	0.00E+00	1.17E+01	-6.08E+08	1.17E+01	1.21E+01	1.17E+00	0.00E+00	0.00E+00	2.16E+02
CVV3FA0TDF	1192.00	1.29E+00	1.84E+01	1.31E+00	0.00E+00	0.00E+00	1.03E+00	1.47E+00	6.39E+00	1.00E+00	0.00E+00	-1.94E+02	1.40E+00	8.27E+00	4.91E+02	3.24E+00	2.97E+00	0.00E+00	5.95E+00	2.87E+01	1.04E+01	0.00E+00	8.22E+00	4.91E+02	3.23E+03	6.07E+00	1.12E+00	0.00E+00	1.04E+01	-4.38E+08	1.04E+01	1.12E+01	1.03E+00	0.00E+00	0.00E+00	2.16E+02
CVV3FABTDF	1192.00	1.29E+00	1.84E+01	1.31E+00	0.00E+00	0.00E+00	1.03E+00	1.47E+00	6.39E+00	1.00E+00	0.00E+00	-1.94E+02	1.40E+00	8.27E+00	4.91E+02	3.24E+00	2.97E+00	0.00E+00	5.95E+00	2.87E+01	1.04E+01	0.00E+00	8.22E+00	4.91E+02	3.23E+03	6.07E+00	1.12E+00	0.00E+00	1.04E+01	-4.44E+08	1.04E+01	1.12E+01	1.03E+00	0.00E+00	0.00E+00	2.17E+02
CVV3FATDF	1192.00	1.29E+00	1.84E+01	1.31E+00	0.00E+00	0.00E+00	1.03E+00	1.47E+00	6.39E+00	1.00E+00	0.00E+00	-1.94E+02	1.40E+00	8.27E+00	4.91E+02	3.24E+00	2.97E+00	0.00E+00	5.95E+00	2.87E+01	1.04E+01	0.00E+00	8.22E+00	4.91E+02	3.23E+03	6.07E+00	1.12E+00	0.00E+00	1.04E+01	-4.48E+08	1.04E+01	1.12E+01	1.03E+00	0.00E+00	0.00E+00	2.17E+02
HDA014Z	1718.00	8.01E+01	1.34E+01	1.72E+00	0.00E+00	0.00E+00	5.12E+00	1.26E+00	1.07E+02	6.37E+00	0.00E+00	-1.16E+02	8.80E+00	1.31E+01	1.83E+02	4.47E+00	3.05E+00	0.00E+00	3.48E+00	1.48E+01	8.53E+00	0.00E+00	1.33E+01	2.66E+02	3.73E+03	4.66E+00	7.68E+01	0.00E+00	8.55E+00	-6.52E+07	8.53E+00	8.78E+00	7.68E+01	0.00E+00	0.00E+00	1.27E+02
HDA016Z	1942.00	1.18E+00	1.42E+01	1.07E+00	0.00E+00	0.00E+00	1.19E+00	1.43E+00	5.24E+00	9.43E+00	0.00E+00	-2.23E+02	1.46E+00	6.71E+00	3.95E+02	2.28E+00	2.95E+00	0.00E+00	5.48E+00	2.88E+01	1.17E+01	0.00E+00	8.81E+00	3.47E+02	3.51E+03	7.37E+00	1.02E+00	0.00E+00	9.80E+00	-4.48E+07	9.80E+00	1.04E+01	1.03E+00	0.00E+00	0.00E+00	1.96E+02
HDA017Z	1942.00	1.29E+00	1.65E+01	1.31E+00	0.00E+00	0.00E+00	1.07E+00	1.60E+00	6.18E+00	1.03E+00	0.00E+00	-2.26E+02	1.72E+00	7.90E+00	3.93E+02	2.44E+00	2.67E+00	0.00E+00	6.47E+00	2.98E+01	1.18E+01	0.00E+00	8.71E+00	4.68E+02	3.04E+02	7.12E+00	1.26E+00	0.00E+00	1.16E+01	-3.51E+07	1.16E+01	1.21E+01	1.17E+00	0.00E+00	0.00E+00	2.38E+02
HDA018Z	1718.00	8.01E+01	1.34E+01	1.72E+00	0.00E+00	0.00E+00	5.12E+00	1.26E+00	1.07E+02	6.37E+00	0.00E+00	-1.16E+02	8.80E+00	1.31E+01	1.83E+02	4.47E+00	3.05E+00	0.00E+00	3.48E+00	1.48E+01	8.54E+00	0.00E+00	1.33E+01	2.66E+02	3.73E+03	4.66E+00	7.68E+01	0.00E+00	8.55E+00	-6.54E+07	8.54E+00	8.78E+00	7.68E+01	0.00E+00	0.00E+00	1.27E+02
HDA020Z	5014.00	6.24E+01	1.88E+01	2.44E+01	3.41E+00	0.00E+00	1.12E+00	9.71E+00	3.39E+00	6.55E+00	0.00E+00	1.98E+02	1.18E+01	4.51E+00	6.25E+02	1.34E+00	8.83E+00	8.45E+00	4.39E+00	1.02E+01	6.52E+00	0.00E+00	4.13E+01	2.09E+02	1.26E+03	3.05E+00	5.33E+01	0.00E+00	5.29E+00	9.53E+07	5.29E+00	5.75E+00	5.33E+01	0.00E+00	0.00E+00	1.65E+02
HDA023Z	1718.00	8.01E+01	1.34E+01	1.72E+00	0.00E+00	0.00E+00	5.12E+00	1.26E+00	1.07E+02	6.37E+00	0.00E+00	-1.16E+02	8.78E+00	1.31E+01	1.83E+02	4.47E+00	3.05E+00	0.00E+00	3.48E+00	1.48E+01	8.53E+00	0.00E+00	1.33E+01	2.66E+02	3.73E+03	4.66E+00	7.68E+01	0.00E+00	8.55E+00	-6.52E+07	8.53E+00	8.78E+00	7.68E+01	0.00E+00	0.00E+00	1.27E+02
HDA024P	6236.00	8.17E+01	1.36E+01	1.80E+00	0.00E+00	0.00E+00	1.48E+00	1.63E+00	6.97E+00	8.08E+00	0.00E+00	-1.64E+02	9.18E+00	1.73E+01	2.15E+02	4.85E+00	3.08E+00	0.00E+00	3.44E+00	1.22E+01	7.54E+00	0.00E+00	5.61E+00	2.39E+02	1.94E+03	7.84E+00	1.04E+00	0.00E+00	8.54E+00	-9.86E+07	8.54E+00	7.94E+00	9.86E+00	0.00E+00	0.00E+00	1.26E+02
HDA025U	7392.00	1.18E+00	1.95E+01	3.02E+00	0.00E+00	0.00E+00	7.18E+00	1.49E+00	4.48E+00	8.47E+00	0.00E+00	-2.02E+02	1.81E+00	3.45E+00	4.03E+02	1.96E+00	2.67E+00	0.00E+00																		

HEL064DR	1292	2100	3360	1320	4800	0.000	1.475	2310	7300	1620	0.000	5.710	4.000	8740	8.330	2.000	3.000	9.300	1260	1.200	1.700	0.000	1.070	7.200	4.400	8.000	2.100	0.000	1.700	-3.700	1.700	1.070	2.100	0.000	0.000	0.000	5.400
HEL080BR	1180	1420	3260	1230	4810	0.000	1.110	1.700	6240	1320	0.000	5.400	1.740	6900	7.410	2.300	3.010	9.300	7400	1160	1.300	0.000	1.000	6.070	3.400	8.270	1.400	0.000	1.300	-5.500	1.700	1.440	1.400	0.000	0.000	2.000	
HEL080DR	1110	1300	2960	1140	4330	0.000	1.120	1.710	6400	1000	0.000	5.600	1.840	7300	7.800	2.400	2.900	9.300	7300	1430	1.270	0.000	1.000	6.100	3.400	8.400	1.400	0.000	1.270	-4.200	1.270	1.360	1.400	0.000	0.000	2.000	
HEL081BR	1210	2140	3360	1340	4840	0.000	1.475	2300	7100	1630	0.000	5.340	4.070	8700	8.300	2.000	3.000	9.300	1260	1.200	1.700	0.000	1.100	7.300	4.400	8.000	2.100	0.000	1.700	-3.700	1.700	1.070	2.100	0.000	0.000	5.400	
HEL081DR	1200	2100	3360	1320	4800	0.000	1.475	2310	7300	1620	0.000	5.710	4.070	8740	8.330	2.040	3.020	9.300	1260	1.200	1.700	0.000	1.070	7.200	4.400	8.000	2.100	0.000	1.700	-3.700	1.700	1.070	2.100	0.000	0.000	5.400	
HEL100BR	1230	1420	3060	1200	4610	0.000	1.110	1.700	6300	1320	0.000	5.400	1.740	7000	7.410	2.300	3.010	9.300	7300	1160	1.300	0.000	1.000	6.070	3.400	8.270	1.400	0.000	1.300	-5.500	1.700	1.440	1.400	0.000	0.000	2.000	
HEL100DR	1220	1410	2940	1190	4500	0.000	1.110	1.710	6300	1120	0.000	5.600	1.740	6900	7.300	2.300	3.010	9.300	7300	1160	1.300	0.000	1.000	6.070	3.400	8.270	1.400	0.000	1.300	-5.500	1.700	1.440	1.400	0.000	0.000	2.000	
HEL101BR	1330	2100	3360	1340	4840	0.000	1.475	2300	7300	1630	0.000	5.340	4.000	8900	8.100	2.100	3.000	9.300	1260	1.200	1.700	0.000	1.100	7.300	4.400	8.000	2.100	0.000	1.700	-3.700	1.700	1.070	2.100	0.000	0.000	5.400	
HEL101DR	1320	2100	3360	1320	4840	0.000	1.475	2300	7300	1630	0.000	5.710	4.300	8340	8.340	2.000	3.000	9.300	1260	1.200	1.700	0.000	1.070	7.200	4.400	8.000	2.100	0.000	1.700	-3.700	1.700	1.070	2.100	0.000	0.000	5.400	
HEL126BR	1420	1420	3260	1230	4810	0.000	1.110	1.700	6300	1320	0.000	5.400	1.750	7110	7.410	2.340	3.010	9.300	7400	1160	1.300	0.000	1.000	6.050	3.400	8.270	1.400	0.000	1.300	-5.500	1.700	1.440	1.400	0.000	0.000	2.000	
HEL126DR	1180	1420	3260	1230	4810	0.000	1.110	1.700	6240	1320	0.000	5.400	1.640	7000	7.410	2.300	3.000	9.300	7400	1160	1.300	0.000	1.000	6.050	3.400	8.270	1.400	0.000	1.300	-5.500	1.700	1.440	1.400	0.000	0.000	2.000	
HEL126BR	1330	2110	3360	1340	4840	0.000	1.475	2300	7300	1630	0.000	5.340	4.000	8900	8.100	2.100	3.000	9.300	1260	1.200	1.700	0.000	1.100	7.300	4.400	8.000	2.100	0.000	1.700	-3.700	1.700	1.070	2.100	0.000	0.000	5.400	
HEL126DR	1320	2100	3360	1320	4840	0.000	1.475	2300	7300	1640	0.000	5.710	4.300	8340	8.340	2.000	3.000	9.300	1260	1.200	1.700	0.000	1.070	7.200	4.400	8.000	2.100	0.000	1.700	-3.700	1.700	1.070	2.100	0.000	0.000	5.400	
HEL160BR	1220	1420	3060	1200	4610	0.000	1.110	1.700	6300	1320	0.000	5.400	1.750	7110	7.410	2.340	3.010	9.300	7400	1160	1.300	0.000	1.000	6.070	3.400	8.270	1.400	0.000	1.300	-5.500	1.700	1.440	1.400	0.000	0.000	2.000	
HEL160DR	1230	1410	2940	1190	4500	0.000	1.110	1.710	6300	1120	0.000	5.600	1.750	7110	7.410	2.340	3.010	9.300	7400	1160	1.300	0.000	1.000	6.070	3.400	8.270	1.400	0.000	1.300	-5.500	1.700	1.440	1.400	0.000	0.000	2.000	
HEL161BR	1330	2100	3360	1340	4840	0.000	1.475	2300	7300	1630	0.000	5.340	4.300	8300	8.100	2.100	3.000	9.300	1260	1.200	1.700	0.000	1.100	7.300	4.400	8.000	2.100	0.000	1.700	-3.700	1.700	1.070	2.100	0.000	0.000	5.400	
HEL161DR	1340	2100	3360	1340	4800	0.000	1.475	2370	7310	1630	0.000	5.200	4.400	8200	8.100	2.110	3.000	9.300	1260	1.200	1.700	0.000	1.100	7.400	4.400	8.000	2.100	0.000	1.700	-3.700	1.700	1.070	2.100	0.000	0.000	5.400	
HEM050DR	2100	2100	3360	2350	8300	0.000	0.940	1.170	2140	0.000	0.000	6.000	6.000	1400	1.000	1.000	1.000	9.300	1260	2100	2100	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM051DR	2420	3200	3800	2850	8300	0.000	2.300	4.000	1200	2.000	0.000	8.300	6.010	1500	1.700	4.300	3.000	9.300	2100	2300	3100	0.000	2.000	1.310	7.340	3.900	3.000	0.000	3100	4370	3100	3200	3300	0.000	0.000	7100	
HEM063DR	2100	2100	3360	2350	8300	0.000	2.300	4.400	1170	2.510	0.000	6.940	6.000	1400	1.000	1.000	1.000	9.300	1260	2300	2300	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM064DR	2420	3200	3800	2850	8300	0.000	2.300	4.000	1200	2.000	0.000	8.300	6.010	1500	1.700	4.300	3.000	9.300	2100	2300	3100	0.000	2.000	1.310	7.340	3.900	3.000	0.000	3100	4370	3100	3200	3300	0.000	0.000	7100	
HEM100BR	2100	2100	3360	2350	8300	0.000	0.940	1.170	2140	0.000	0.000	6.000	6.000	1400	1.000	1.000	1.000	9.300	1260	2100	2100	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM100DR	2100	2100	3360	2350	8300	0.000	0.940	1.170	2140	0.000	0.000	6.000	6.000	1400	1.000	1.000	1.000	9.300	1260	2300	2300	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM101BR	2360	3120	3720	2840	8400	0.000	2.400	4.610	1200	2.710	0.000	8.000	6.200	1470	1.800	4.300	3.700	9.300	2070	2100	3100	0.000	1.900	1.240	7.100	3.070	3.000	0.000	3070	4210	3070	3200	3300	0.000	0.000	5.800	
HEM101DR	2420	3200	3800	2850	8300	0.000	0.940	1.170	2140	0.000	0.000	6.000	6.000	1400	1.000	1.000	1.000	9.300	1260	2300	2300	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM125BR	3100	3100	3900	2350	8300	0.000	2.400	4.000	1170	2.510	0.000	6.940	6.010	1400	1.000	1.000	1.000	9.300	1260	3100	3100	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM125DR	2100	2100	3360	2350	7900	0.000	2.200	4.200	1170	2.300	0.000	6.970	4.400	1300	1.000	1.000	1.000	9.300	1260	2100	2100	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM126BR	2420	3200	3800	2850	8300	0.000	2.300	4.000	1200	2.000	0.000	8.300	6.400	1500	1.700	4.300	3.000	9.300	2100	2300	3100	0.000	2.000	1.310	7.340	3.900	3.000	0.000	3100	4370	3100	3200	3300	0.000	0.000	7100	
HEM126DR	2100	2100	3360	2350	7900	0.000	2.200	4.200	1170	2.300	0.000	6.970	4.400	1300	1.000	1.000	1.000	9.300	1260	2100	2100	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM200BR	2100	2100	3360	2350	8300	0.000	2.300	4.400	1180	2.510	0.000	6.940	6.000	1400	1.000	1.000	1.000	9.300	1260	2300	2300	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM200DR	2100	2100	3360	2350	7900	0.000	2.200	4.200	1170	2.300	0.000	6.940	6.400	1300	1.000	1.000	1.000	9.300	1260	2100	2100	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100	2.300	3.000	0.000	0.000	1.000	
HEM201BR	2360	3120	3720	2840	8400	0.000	2.400	4.610	1200	2.710	0.000	8.000	6.400	1500	1.700	4.300	3.000	9.300	2100	2300	3100	0.000	1.900	1.310	7.340	3.900	3.000	0.000	3100	4370	3100	3200	3300	0.000	0.000	7100	
HEM201DR	2360	3120	3720	2840	8400	0.000	2.400	4.610	1200	2.710	0.000	8.000	6.400	1500	1.700	4.300	3.000	9.300	2100	2300	3100	0.000	1.900	1.310	7.340	3.900	3.000	0.000	3100	4370	3100	3200	3300	0.000	0.000	7100	
HEM250BR	2100	2100	3360	2350	8300	0.000	2.400	4.000	1170	2.510	0.000	6.940	6.000	1400	1.000	1.000	1.000	9.300	1260	2300	2300	0.000	1.000	6.000	3.000	8.000	1.000	0.000	2.100	-4.000	2.100						





HHS125DR-690	1.00E-02	1.48E-02	3.00E-01	1.27E-02	6.80E-02	0.00E+00	1.02E-01	1.26E-02	5.78E-02	1.00E-02	0.00E+00	4.71E-02	1.48E-02	6.80E-02	5.28E-02	2.03E-02	2.55E-02	1.87E-04	4.77E-02	1.07E-01	1.11E-01	0.00E+00	9.95E-02	5.91E-02	2.80E-02	8.64E-02	9.26E-01	0.00E+00	1.11E-01	3.36E-02	1.11E-01	1.38E-01	1.20E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02		
HHS126DR-690	1.14E-02	2.45E-02	3.58E-01	1.83E-02	7.93E-02	0.00E+00	1.59E-01	2.26E-02	6.93E-02	1.73E-02	0.00E+00	4.86E-02	1.42E-02	8.30E-02	6.97E-02	2.89E-02	2.95E-02	1.80E-04	1.23E-01	1.92E-01	1.87E-01	1.11E-01	0.00E+00	1.11E-01	8.80E-02	3.96E-02	8.70E-02	1.92E-01	0.00E+00	1.67E-01	3.94E-02	1.67E-01	1.96E-01	1.93E-01	0.00E+00	0.00E+00	0.00E+00	2.27E-02	
HHS127DR	1.00E-02	3.32E-02	3.03E-01	1.91E-02	7.93E-02	0.00E+00	1.57E-01	2.80E-02	1.16E-02	1.79E-02	0.00E+00	1.02E-01	2.12E-02	1.24E-02	6.70E-02	4.42E-02	3.02E-02	1.96E-04	1.00E-01	1.89E-01	1.91E-01	1.11E-01	0.00E+00	1.40E-01	6.03E-02	5.36E-02	7.91E-02	2.13E-02	0.00E+00	2.00E-01	1.06E-02	2.00E-01	2.71E-01	2.18E-01	0.00E+00	0.00E+00	0.00E+00	3.67E-02	
HHS160DR-690	1.00E-02	1.48E-02	3.00E-01	1.27E-02	6.80E-02	0.00E+00	1.02E-01	1.26E-02	5.78E-02	1.00E-02	0.00E+00	4.71E-02	1.48E-02	6.80E-02	5.28E-02	2.03E-02	2.55E-02	1.87E-04	4.77E-02	1.07E-01	1.11E-01	0.00E+00	9.95E-02	5.91E-02	2.80E-02	8.64E-02	9.26E-01	0.00E+00	1.11E-01	3.36E-02	1.11E-01	1.38E-01	1.20E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02		
HHS161BC	1.57E-02	2.00E-02	3.24E-01	1.77E-02	1.19E-02	0.00E+00	1.60E-01	2.34E-02	8.79E-02	1.60E-02	0.00E+00	1.40E-01	2.81E-02	3.05E-02	1.21E-01	3.91E-02	3.07E-02	2.80E-04	1.64E-01	2.00E-01	2.00E-01	1.11E-01	0.00E+00	1.20E-01	7.10E-02	4.44E-02	1.69E-02	0.00E+00	1.60E-01	3.04E-02	1.82E-01	2.00E-01	1.90E-01	0.00E+00	0.00E+00	0.00E+00	3.67E-02		
HHS161DC	1.62E-02	2.22E-02	3.51E-01	1.98E-02	1.22E-02	0.00E+00	1.66E-01	2.66E-02	8.70E-02	1.91E-02	0.00E+00	1.58E-01	3.06E-02	3.10E-02	1.26E-01	3.70E-02	3.07E-02	2.80E-04	1.33E-01	2.16E-01	2.16E-01	1.11E-01	0.00E+00	1.31E-01	7.47E-02	5.26E-02	9.10E-02	2.26E-02	0.00E+00	1.93E-01	4.24E-02	1.93E-01	2.16E-01	2.20E-01	0.00E+00	0.00E+00	0.00E+00	5.60E-02	
HHS161DR-690	1.12E-02	2.40E-02	3.06E-01	1.62E-02	7.60E-02	0.00E+00	1.25E-01	2.20E-02	6.93E-02	1.71E-02	0.00E+00	4.60E-02	1.42E-02	8.30E-02	6.97E-02	2.89E-02	2.95E-02	1.80E-04	1.23E-01	1.92E-01	1.87E-01	1.11E-01	0.00E+00	1.11E-01	8.80E-02	3.96E-02	8.70E-02	1.92E-01	0.00E+00	1.67E-01	3.94E-02	1.67E-01	1.96E-01	1.93E-01	0.00E+00	0.00E+00	0.00E+00	2.27E-02	
HHS162DR	1.91E-02	2.34E-02	4.11E-01	2.61E-02	1.57E-02	0.00E+00	1.93E-01	2.82E-02	1.11E-02	1.81E-02	0.00E+00	9.32E-02	2.18E-02	1.25E-02	7.44E-02	4.42E-02	3.06E-02	1.96E-04	1.06E-01	2.02E-01	2.02E-01	1.11E-01	0.00E+00	1.41E-01	6.10E-02	5.43E-02	7.15E-02	2.22E-02	0.00E+00	2.02E-01	9.70E-02	2.02E-01	2.74E-01	2.22E-01	0.00E+00	0.00E+00	0.00E+00	3.70E-02	
HHT050DR	1.85E-02	2.45E-02	3.36E-01	2.34E-02	1.27E-02	0.00E+00	1.83E-01	3.06E-02	9.93E-02	2.07E-02	0.00E+00	1.27E-01	4.96E-02	1.19E-02	1.33E-01	4.23E-02	3.07E-02	2.80E-04	1.58E-01	2.15E-01	2.15E-01	0.00E+00	1.46E-01	6.99E-02	5.83E-02	8.05E-02	9.65E-02	2.63E-02	0.00E+00	2.14E-01	5.38E-02	2.14E-01	2.41E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-02	
HHT051DR	2.42E-02	3.02E-02	4.23E-01	2.98E-02	1.58E-02	0.00E+00	2.32E-01	4.01E-02	1.31E-02	2.63E-02	0.00E+00	1.62E-01	6.97E-02	1.23E-01	1.81E-01	5.93E-02	3.06E-02	2.80E-04	2.00E-01	2.49E-02	2.49E-02	1.11E-01	0.00E+00	1.88E-01	1.18E-01	7.44E-02	1.02E-01	3.41E-02	0.00E+00	2.74E-01	6.94E-02	2.74E-01	3.18E-01	3.41E-01	0.00E+00	0.00E+00	0.00E+00	8.27E-02	
HHT063DR	1.80E-02	2.42E-02	3.06E-01	2.34E-02	1.27E-02	0.00E+00	1.83E-01	3.06E-02	9.93E-02	2.07E-02	0.00E+00	1.27E-01	4.96E-02	1.19E-02	1.33E-01	4.23E-02	3.07E-02	2.80E-04	1.58E-01	2.15E-01	2.15E-01	0.00E+00	1.46E-01	6.99E-02	5.83E-02	8.05E-02	9.65E-02	2.63E-02	0.00E+00	2.14E-01	5.38E-02	2.14E-01	2.41E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-02	
HHT100DR	1.68E-02	2.42E-02	3.06E-01	2.34E-02	1.27E-02	0.00E+00	1.83E-01	3.06E-02	9.93E-02	2.07E-02	0.00E+00	1.27E-01	4.96E-02	1.19E-02	1.33E-01	4.23E-02	3.07E-02	2.80E-04	1.58E-01	2.15E-01	2.15E-01	0.00E+00	1.46E-01	6.99E-02	5.83E-02	8.05E-02	9.65E-02	2.63E-02	0.00E+00	2.14E-01	5.38E-02	2.14E-01	2.41E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	6.20E-02	
HHT101DR	2.54E-02	3.18E-02	4.36E-01	2.72E-02	1.59E-02	0.00E+00	2.43E-01	4.44E-02	1.32E-02	2.73E-02	0.00E+00	1.82E-01	8.13E-02	1.59E-02	1.71E-01	5.91E-02	3.07E-02	2.80E-04	2.42E-01	2.49E-02	2.49E-02	1.11E-01	0.00E+00	1.95E-01	1.28E-01	7.83E-02	1.05E-01	3.76E-02	0.00E+00	2.91E-01	8.28E-02	2.91E-01	3.26E-01	3.76E-01	0.00E+00	0.00E+00	0.00E+00	9.51E-02	
HHT125DR	1.69E-02	2.50E-02	3.02E-01	2.14E-02	1.28E-02	0.00E+00	1.91E-01	3.28E-02	1.03E-02	2.17E-02	0.00E+00	1.37E-01	6.14E-02	1.20E-02	1.38E-01	4.32E-02	3.07E-02	2.80E-04	1.63E-01	2.18E-01	2.18E-01	0.00E+00	1.52E-01	7.27E-02	6.09E-02	8.17E-02	9.82E-02	2.82E-02	0.00E+00	2.27E-01	6.27E-02	2.27E-01	2.65E-01	2.82E-01	0.00E+00	0.00E+00	0.00E+00	7.18E-02	
HHT126BR	2.05E-02	3.02E-02	4.11E-01	2.61E-02	1.57E-02	0.00E+00	1.93E-01	2.82E-02	1.11E-02	1.81E-02	0.00E+00	9.32E-02	2.18E-02	1.25E-02	7.44E-02	4.42E-02	3.06E-02	1.96E-04	1.06E-01	2.02E-01	2.02E-01	1.11E-01	0.00E+00	1.41E-01	6.10E-02	5.43E-02	7.15E-02	2.22E-02	0.00E+00	2.02E-01	9.70E-02	2.02E-01	2.74E-01	2.22E-01	0.00E+00	0.00E+00	0.00E+00	3.70E-02	
HHT160DR	1.96E-02	2.42E-02	3.06E-01	2.34E-02	1.27E-02	0.00E+00	1.83E-01	3.06E-02	9.93E-02	2.07E-02	0.00E+00	1.27E-01	4.96E-02	1.19E-02	1.33E-01	4.23E-02	3.07E-02	2.80E-04	1.58E-01	2.15E-01	2.15E-01	0.00E+00	1.46E-01	6.99E-02	5.83E-02	8.05E-02	9.65E-02	2.63E-02	0.00E+00	2.14E-01	5.38E-02	2.14E-01	2.41E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-02	
HHT161BR	2.06E-02	2.42E-02	4.11E-01	2.61E-02	1.57E-02	0.00E+00	1.93E-01	2.82E-02	1.11E-02	1.81E-02	0.00E+00	9.32E-02	2.18E-02	1.25E-02	7.44E-02	4.42E-02	3.06E-02	1.96E-04	1.06E-01	2.02E-01	2.02E-01	1.11E-01	0.00E+00	1.41E-01	6.10E-02	5.43E-02	7.15E-02	2.22E-02	0.00E+00	2.02E-01	9.70E-02	2.02E-01	2.74E-01	2.22E-01	0.00E+00	0.00E+00	0.00E+00	3.70E-02	
HHT200DR	2.00E-02	3.02E-02	3.06E-01	2.34E-02	1.27E-02	0.00E+00	1.83E-01	3.06E-02	9.93E-02	2.07E-02	0.00E+00	1.27E-01	4.96E-02	1.19E-02	1.33E-01	4.23E-02	3.07E-02	2.80E-04	1.58E-01	2.15E-01	2.15E-01	0.00E+00	1.46E-01	6.99E-02	5.83E-02	8.05E-02	9.65E-02	2.63E-02	0.00E+00	2.14E-01	5.38E-02	2.14E-01	2.41E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-02	
HHT200DR-690	1.21E-02	2.72E-02	3.24E-01	1.91E-02	7.93E-02	0.00E+00	1.59E-01	3.45E-02	7.68E-02	1.23E-02	0.00E+00	4.85E-02	4.78E-02	3.74E-02	1.44E-01	3.34E-02	2.54E-02	1.80E-04	1.68E-01	1.93E-01	1.93E-01	1.11E-01	0.00E+00	1.23E-01	1.07E-02	4.48E-02	6.02E-02	2.62E-02	0.00E+00	2.19E-01	3.76E-02	2.19E-01	2.45E-01	2.62E-01	0.00E+00	0.00E+00	0.00E+00	6.41E-02	
HHT201BR	2.60E-02	3.24E-02	4.11E-01	2.61E-02	1.57E-02	0.00E+00	1.93E-01	2.82E-02	1.11E-02	1.81E-02	0.00E+00	9.32E-02	2.18E-02	1.25E-02	7.44E-02	4.42E-02	3.06E-02	1.96E-04	1.06E-01	2.02E-01	2.02E-01	1.11E-01	0.00E+00	1.41E-01	6.10E-02	5.43E-02	7.15E-02	2.22E-02	0.00E+00	2.02E-01	9.70E-02	2.02E-01	2.74E-01	2.22E-01	0.00E+00	0.00E+00	0.00E+00	3.70E-02	
HHT201DR	2.06E-02	3.02E-02	3.06E-01	2.34E-02	1.27E-02	0.00E+00	1.83E-01	3.06E-02	9.93E-02	2.07E-02	0.00E+00	1.27E-01	4.96E-02	1.19E-02	1.33E-01	4.23E-02	3.07E-02	2.80E-04	1.58E-01	2.15E-01	2.15E-01	0.00E+00	1.46E-01	6.99E-02	5.83E-02	8.05E-02	9.65E-02	2.63E-02	0.00E+00	2.14E-01	5.38E-02	2.14E-01	2.41E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-02	
HHT201DR-690	1.20E-02	2.68E-02	3.20E-01	1.91E-02	7.93E-02	0.00E+00	1.59E-01	3.45E-02	7.68E-02	1.23E-02	0.00E+00	4.85E-02	4.78E-02	3.74E-02	1.44E-01	3.34E-02	2.54E-02	1.80E-04	1.68E-01	1.93E-01	1.93E-01	1.11E-01	0.00E+00	1.23E-01	1.07E-02	4.48E-02	6.02E-02	2.62E-02	0.00E+00	2.19E-01	3.76E-02	2.19E-01	2.45E-01	2.62E-01	0.00E+00	0.00E+00	0.00E+00	6.41E-02	
HHT202DR	2.06E-02	3.02E-02	3.06E-01	2.34E-02	1.27E-02	0.00E+00	1.83E-01	3.06E-02	9.93E-02	2.07E-02	0.00E+00	1.27E-01	4.96E-02	1.19E-02	1.33E-01	4.23E-02	3.07E-02	2.80E-04	1.58E-01	2.15E-01	2.15E-01	0.00E+00	1.46E-01	6.99E-02	5.83E-02	8.05E-02	9.65E-02	2.63E-02	0.00E+00	2.14E-01	5.38E-02	2.14E-01	2.41E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-02	
HHT250DR	2.00E-02	2.48E-02	3.62E-01	2.18E-02	1.28E-02	0.00E+00	1.91E-01	3.13E-02	1.12E-02	2.16E-02	0.00E+00	1.37E-01	6.14E-02	1.20E-02	1.38E-01	4.32E-02	3.07E-02	2.80E-04	1.77E-01	2.19E-02	2.19E-02	1.11E-01	0.00E+00	1.52E-01	7.27E-02	6.09E-02	8.17E-02	9.82E-02	2.82E-02	0.00E+00	2.27E-01	6.27E-02	2.27E-01	2.65E-01	2.82E-01	0.00E+00	0.00E+00	0.00E+00	6.95E-02
HHT250DR-690	1.21E-02	2.72E-02	3.24E-01	1.91E-02	7.93E-02	0.00E+00	1.59E-01	3.45E-02	7.68E-02																														

HMM126BR	2475	3225	3480	2450	3100	3350	2425	3175	3430	2400	3225	3480	2375	3100	3350	2350	3150	3405	2325	3075	3330	2300	3050	3300	2275	3025	3275	2250	3000	3250	2225	2975	3225	2200	2950	3200	2175	2925	3175	2150	2900	3150	2125	2875	3125	2100	2850	3100	2075	2825	3075	2050	2800	3050	2025	2775	3025	2000	2750	3000	1975	2725	2975	1950	2700	2950	1925	2675	2925	1900	2650	2900	1875	2625	2875	1850	2600	2850	1825	2575	2825	1800	2550	2800	1775	2525	2775	1750	2500	2750	1725	2475	2725	1700	2450	2700	1675	2425	2675	1650	2400	2650	1625	2375	2625	1600	2350	2600	1575	2325	2575	1550	2300	2550	1525	2275	2525	1500	2250	2500	1475	2225	2475	1450	2200	2450	1425	2175	2425	1400	2150	2400	1375	2125	2375	1350	2100	2350	1325	2075	2325	1300	2050	2300	1275	2025	2275	1250	2000	2250	1225	1975	2225	1200	1950	2200	1175	1925	2175	1150	1900	2150	1125	1875	2125	1100	1850	2100	1075	1825	2075	1050	1800	2050	1025	1775	2025	1000	1750	2000	975	1725	1975	950	1700	1950	925	1675	1925	900	1650	1900	875	1625	1875	850	1600	1850	825	1575	1825	800	1550	1800	775	1525	1775	750	1500	1750	725	1475	1725	700	1450	1700	675	1425	1675	650	1400	1650	625	1375	1625	600	1350	1600	575	1325	1575	550	1300	1550	525	1275	1525	500	1250	1500	475	1225	1475	450	1200	1450	425	1175	1425	400	1150	1400	375	1125	1375	350	1100	1350	325	1075	1325	300	1050	1300	275	1025	1275	250	1000	1250	225	975	1225	200	950	1200	175	925	1175	150	900	1150	125	875	1125	100	850	1100	75	825	1075	50	800	1050	25	775	1025	0	750	1000	-25	725	975	-50	700	950	-75	675	925	-100	650	900	-125	625	875	-150	600	850	-175	575	825	-200	550	800	-225	525	775	-250	500	750	-275	475	725	-300	450	700	-325	425	675	-350	400	650	-375	375	625	-400	350	600	-425	325	575	-450	300	550	-475	275	525	-500	250	500	-525	225	475	-550	200	450	-575	175	425	-600	150	400	-625	125	375	-650	100	350	-675	75	325	-700	50	300	-725	25	275	-750	0	250	-775	-25	225	-800	-50	200	-825	-75	175	-850	-100	150	-875	-125	125	-900	-150	100	-925	-175	75	-950	-200	50	-975	-225	25	-1000	-250	0	-1025	-275	-25	-1050	-300	-50	-1075	-325	-75	-1100	-350	-100	-1125	-375	-105	-1150	-400	-110	-1175	-425	-115	-1200	-450	-120	-1225	-475	-125	-1250	-500	-130	-1275	-525	-135	-1300	-550	-140	-1325	-575	-145	-1350	-600	-150	-1375	-625	-155	-1400	-650	-160	-1425	-675	-165	-1450	-700	-170	-1475	-725	-175	-1500	-750	-180	-1525	-775	-185	-1550	-800	-190	-1575	-825	-195	-1600	-850	-200	-1625	-875	-205	-1650	-900	-210	-1675	-925	-215	-1700	-950	-220	-1725	-975	-225	-1750	-1000	-230	-1775	-1025	-235	-1800	-1050	-240	-1825	-1075	-245	-1850	-1100	-250	-1875	-1125	-255	-1900	-1150	-260	-1925	-1175	-265	-1950	-1200	-270	-1975	-1225	-275	-2000	-1250	-280	-2025	-1275	-285	-2050	-1300	-290	-2075	-1325	-295	-2100	-1350	-300	-2125	-1375	-305	-2150	-1400	-310	-2175	-1425	-315	-2200	-1450	-320	-2225	-1475	-325	-2250	-1500	-330	-2275	-1525	-335	-2300	-1550	-340	-2325	-1575	-345	-2350	-1600	-350	-2375	-1625	-355	-2400	-1650	-360	-2425	-1675	-365	-2450	-1700	-370	-2475	-1725	-375	-2500	-1750	-380	-2525	-1775	-385	-2550	-1800	-390	-2575	-1825	-395	-2600	-1850	-400	-2625	-1875	-405	-2650	-1900	-410	-2675	-1925	-415	-2700	-1950	-420	-2725	-1975	-425	-2750	-2000	-430	-2775	-2025	-435	-2800	-2050	-440	-2825	-2075	-445	-2850	-2100	-450	-2875	-2125	-455	-2900	-2150	-460	-2925	-2175	-465	-2950	-2200	-470	-2975	-2225	-475	-3000	-2250	-480	-3025	-2275	-485	-3050	-2300	-490	-3075	-2325	-495	-3100	-2350	-500	-3125	-2375	-505	-3150	-2400	-510	-3175	-2425	-515	-3200	-2450	-520	-3225	-2475	-525	-3250	-2500	-530	-3275	-2525	-535	-3300	-2550	-540	-3325	-2575	-545	-3350	-2600	-550	-3375	-2625	-555	-3400	-2650	-560	-3425	-2675	-565	-3450	-2700	-570	-3475	-2725	-575	-3500	-2750	-580	-3525	-2775	-585	-3550	-2800	-590	-3575	-2825	-595	-3600	-2850	-600	-3625	-2875	-605	-3650	-2900	-610	-3675	-2925	-615	-3700	-2950	-620	-3725	-2975	-625	-3750	-3000	-630	-3775	-3025	-635	-3800	-3050	-640	-3825	-3075	-645	-3850	-3100	-650	-3875	-3125	-655	-3900	-3150	-660	-3925	-3175	-665	-3950	-3200	-670	-3975	-3225	-675	-4000	-3250	-680	-4025	-3275	-685	-4050	-3300	-690	-4075	-3325	-695	-4100	-3350	-700	-4125	-3375	-705	-4150	-3400	-710	-4175	-3425	-715	-4200	-3450	-720	-4225	-3475	-725	-4250	-3500	-730	-4275	-3525	-735	-4300	-3550	-740	-4325	-3575	-745	-4350	-3600	-750	-4375	-3625	-755	-4400	-3650	-760	-4425	-3675	-765	-4450	-3700	-770	-4475	-3725	-775	-4500	-3750	-780	-4525	-3775	-785	-4550	-3800	-790	-4575	-3825	-795	-4600	-3850	-800	-4625	-3875	-805	-4650	-3900	-810	-4675	-3925	-815	-4700	-3950	-820	-4725	-3975	-825	-4750	-4000	-830	-4775	-4025	-835	-4800	-4050	-840	-4825	-4075	-845	-4850	-4100	-850	-4875	-4125	-855	-4900	-4150	-860	-4925	-4175	-865	-4950	-4200	-870	-4975	-4225	-875	-5000	-4250	-880	-5025	-4275	-885	-5050	-4300	-890	-5075	-4325	-895	-5100	-4350	-900	-5125	-4375	-905	-5150	-4400	-910	-5175	-4425	-915	-5200	-4450	-920	-5225	-4475	-925	-5250	-4500	-930	-5275	-4525	-935	-5300	-4550	-940	-5325	-4575	-945	-5350	-4600	-950	-5375	-4625	-955	-5400	-4650	-960	-5425	-4675	-965	-5450	-4700	-970	-5475	-4725	-975	-5500	-4750	-980	-55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Module D	HNS160DR	1.00E-02	1.48E-02	3.00E-01	1.27E-02	6.00E-02	0.00E+00	1.03E-01	1.30E-02	5.77E-02	1.00E-02	0.00E-00	4.70E-02	1.48E-02	6.19E-02	9.27E-02	2.04E-02	2.58E-02	1.89E-04	4.79E-02	1.07E-01	1.11E-01	0.00E-00	9.90E-02	5.91E-02	2.70E-02	8.64E-02	9.26E-01	0.00E+00	1.11E-01	3.38E-02	1.11E-01	1.38E-01	3.20E-01	0.00E+00	0.00E+00	0.00E+00	1.78E-02
	HNS161BC	1.57E-02	2.00E-02	3.24E-01	1.77E-02	1.19E-02	0.00E+00	1.00E-01	2.34E-02	8.79E-02	1.80E-02	0.00E-00	1.48E-01	2.41E-02	9.09E-02	1.21E-01	3.51E-02	3.07E-02	2.80E-04	1.04E-01	2.00E-02	1.82E-01	0.00E-00	1.20E-01	1.10E-02	4.90E-02	8.44E-02	1.98E-01	0.00E+00	1.80E-01	3.04E-02	1.80E-01	2.30E-01	1.90E-01	0.00E+00	0.00E+00	0.00E+00	9.37E-02
	HNS161BR	1.80E-02	2.38E-02	3.37E-01	1.93E-02	8.27E-02	0.00E+00	1.17E-01	2.80E-02	1.08E-02	1.80E-02	0.00E-00	1.01E-01	4.90E-02	1.25E-01	8.20E-02	4.37E-02	3.08E-02	1.88E-04	1.37E-01	8.89E-02	2.00E-01	0.00E-00	1.43E-01	6.33E-02	5.44E-02	8.32E-02	2.34E-01	0.00E+00	2.00E-01	1.08E-02	2.00E-01	2.20E-01	2.34E-01	0.00E+00	0.00E+00	0.00E+00	5.64E-02
	HNS161DC	1.80E-02	2.22E-02	3.40E-01	1.98E-02	1.27E-02	0.00E+00	1.08E-01	2.65E-02	8.70E-02	1.93E-02	0.00E-00	1.58E-01	3.80E-02	1.01E-01	1.30E-01	3.70E-02	3.00E-02	2.00E-04	1.30E-01	8.90E-02	1.93E-01	0.00E-00	1.31E-01	7.87E-02	5.20E-02	8.10E-02	2.00E-01	0.00E+00	2.00E-01	1.08E-02	2.00E-01	2.20E-01	2.34E-01	0.00E+00	0.00E+00	0.00E+00	5.64E-02
	HNS161DR	1.80E-02	2.42E-02	3.33E-01	1.93E-02	8.27E-02	0.00E+00	1.17E-01	2.80E-02	1.08E-02	1.80E-02	0.00E-00	1.01E-01	4.90E-02	1.25E-01	8.20E-02	4.37E-02	3.08E-02	1.88E-04	1.37E-01	8.89E-02	2.00E-01	0.00E-00	1.43E-01	6.33E-02	5.44E-02	8.32E-02	2.34E-01	0.00E+00	2.00E-01	1.08E-02	2.00E-01	2.20E-01	2.34E-01	0.00E+00	0.00E+00	0.00E+00	5.67E-02
	HNS161DR-690	1.15E-02	2.40E-02	3.00E-01	1.92E-02	7.80E-02	0.00E+00	1.15E-01	2.20E-02	6.93E-02	1.71E-02	0.00E-00	4.68E-01	4.10E-02	8.20E-02	9.97E-02	2.06E-02	2.26E-02	1.89E-04	1.27E-01	1.00E-01	1.80E-01	0.00E-00	1.11E-01	6.00E-02	5.06E-02	8.70E-02	1.96E-01	0.00E+00	1.60E-01	3.50E-02	1.60E-01	1.90E-01	0.00E+00	0.00E+00	0.00E+00	5.50E-02	
	HNS162DR	1.91E-02	2.46E-02	2.95E-01	1.97E-02	7.87E-02	0.00E+00	1.18E-01	2.28E-02	7.11E-02	1.81E-02	0.00E-00	3.20E-02	2.10E-02	1.04E-01	1.04E-01	4.20E-02	3.28E-02	2.00E-04	1.08E-01	1.02E-01	1.80E-01	0.00E-00	1.14E-01	6.10E-02	5.14E-02	8.70E-02	1.78E-01	0.00E+00	2.02E-01	3.50E-02	2.02E-01	2.20E-01	2.30E-01	0.00E+00	0.00E+00	0.00E+00	3.77E-02
	HNT050DR	1.80E-02	2.45E-02	3.36E-01	2.04E-02	1.17E-02	0.00E+00	1.03E-01	3.05E-02	9.00E-02	2.07E-02	0.00E-00	1.57E-01	4.90E-02	1.10E-01	1.35E-01	4.23E-02	3.07E-02	2.00E-04	1.58E-01	2.15E-02	2.15E-01	0.00E-00	1.46E-01	6.90E-02	5.93E-02	8.90E-02	2.00E-01	0.00E+00	2.15E-01	5.20E-02	2.15E-01	2.41E-01	2.32E-01	0.00E+00	0.00E+00	0.00E+00	6.10E-02
	HNT051DR	2.42E-02	3.02E-02	4.23E-01	2.38E-02	1.58E-02	0.00E+00	1.33E-01	4.01E-02	1.31E-02	2.63E-02	0.00E+00	1.82E-01	6.37E-02	1.53E-01	1.87E-01	5.53E-02	3.07E-02	2.80E-04	2.08E-01	2.45E-02	2.78E-01	0.00E-00	1.88E-01	1.16E-01	7.44E-02	1.00E-01	3.41E-01	0.00E+00	2.78E-01	6.94E-02	2.78E-01	3.10E-01	3.41E-01	0.00E+00	0.00E+00	0.00E+00	8.07E-02
	HNT063DR	1.80E-02	2.42E-02	3.36E-01	2.04E-02	1.17E-02	0.00E+00	1.03E-01	3.10E-02	1.08E-02	2.10E-02	0.00E+00	1.57E-01	5.00E-02	1.25E-01	1.34E-01	4.43E-02	3.07E-02	2.00E-04	1.61E-01	2.15E-02	2.15E-01	0.00E-00	1.46E-01	6.90E-02	5.93E-02	8.90E-02	2.00E-01	0.00E+00	2.15E-01	5.20E-02	2.15E-01	2.41E-01	2.32E-01	0.00E+00	0.00E+00	0.00E+00	6.20E-02
	HNT064DR	2.00E-02	2.58E-02	3.56E-01	2.09E-02	1.16E-02	0.00E+00	1.02E-01	3.15E-02	1.10E-02	2.68E-02	0.00E+00	1.82E-01	6.85E-02	1.63E-01	1.98E-01	5.70E-02	3.07E-02	2.80E-04	2.10E-01	2.49E-02	2.78E-01	0.00E-00	1.91E-01	1.18E-01	7.50E-02	1.01E-01	3.40E-01	0.00E+00	2.78E-01	6.84E-02	2.78E-01	3.14E-01	3.40E-01	0.00E+00	0.00E+00	0.00E+00	8.20E-02
	HNT100BR	1.80E-02	2.41E-02	3.48E-01	2.06E-02	1.20E-02	0.00E+00	1.04E-01	3.11E-02	1.09E-02	2.09E-02	0.00E+00	1.51E-01	5.00E-02	1.25E-01	1.34E-01	4.43E-02	3.07E-02	2.00E-04	1.62E-01	2.07E-02	2.17E-01	0.00E-00	1.48E-01	6.97E-02	5.95E-02	8.92E-02	2.00E-01	0.00E+00	2.17E-01	5.20E-02	2.17E-01	2.44E-01	2.30E-01	0.00E+00	0.00E+00	0.00E+00	6.27E-02
	HNT100DR	1.80E-02	2.42E-02	3.40E-01	2.06E-02	1.20E-02	0.00E+00	1.05E-01	3.11E-02	1.09E-02	2.09E-02	0.00E+00	1.51E-01	5.04E-02	1.18E-01	1.33E-01	4.33E-02	3.07E-02	2.00E-04	1.60E-01	2.12E-02	2.17E-01	0.00E-00	1.48E-01	6.90E-02	5.93E-02	8.90E-02	2.00E-01	0.00E+00	2.17E-01	5.20E-02	2.17E-01	2.44E-01	2.30E-01	0.00E+00	0.00E+00	0.00E+00	6.30E-02
	HNT101BR	2.00E-02	2.52E-02	4.15E-01	2.01E-02	1.07E-02	0.00E+00	1.24E-01	4.07E-02	1.43E-02	2.64E-02	0.00E+00	1.73E-01	6.05E-02	1.60E-01	1.88E-01	5.81E-02	3.07E-02	2.80E-04	2.12E-01	2.38E-02	2.78E-01	0.00E-00	1.91E-01	1.18E-01	7.50E-02	1.01E-01	3.40E-01	0.00E+00	2.78E-01	6.84E-02	2.78E-01	3.14E-01	3.40E-01	0.00E+00	0.00E+00	0.00E+00	8.20E-02
	HNT101DR	2.00E-02	2.51E-02	4.30E-01	2.01E-02	1.07E-02	0.00E+00	1.24E-01	4.07E-02	1.43E-02	2.64E-02	0.00E+00	1.82E-01	6.10E-02	1.60E-01	1.88E-01	5.81E-02	3.07E-02	2.80E-04	2.12E-01	2.40E-02	2.78E-01	0.00E-00	1.91E-01	1.18E-01	7.50E-02	1.01E-01	3.40E-01	0.00E+00	2.78E-01	6.84E-02	2.78E-01	3.14E-01	3.40E-01	0.00E+00	0.00E+00	0.00E+00	8.20E-02
	HNT102DR	2.15E-02	2.54E-02	4.23E-01	2.02E-02	1.06E-02	0.00E+00	1.26E-01	4.07E-02	1.37E-02	2.63E-02	0.00E+00	1.82E-01	6.03E-02	1.59E-01	1.88E-01	5.80E-02	3.07E-02	2.80E-04	2.11E-01	2.45E-02	2.78E-01	0.00E-00	1.91E-01	1.18E-01	7.50E-02	1.01E-01	3.40E-01	0.00E+00	2.78E-01	6.90E-02	2.78E-01	3.14E-01	3.47E-01	0.00E+00	0.00E+00	0.00E+00	1.60E-02
	HNT125BR	1.80E-02	2.41E-02	3.48E-01	2.06E-02	1.20E-02	0.00E+00	1.04E-01	3.11E-02	1.09E-02	2.09E-02	0.00E+00	1.51E-01	5.00E-02	1.25E-01	1.34E-01	4.43E-02	3.07E-02	2.00E-04	1.62E-01	2.07E-02	2.17E-01	0.00E-00	1.48E-01	6.97E-02	5.95E-02	8.92E-02	2.00E-01	0.00E+00	2.17E-01	5.20E-02	2.17E-01	2.44E-01	2.30E-01	0.00E+00	0.00E+00	0.00E+00	6.27E-02
	HNT125DR	1.80E-02	2.40E-02	3.65E-01	2.14E-02	1.30E-02	0.00E+00	1.03E-01	3.08E-02	1.09E-02	2.10E-02	0.00E+00	1.57E-01	6.14E-02	1.30E-01	1.38E-01	4.43E-02	3.07E-02	2.00E-04	1.61E-01	2.15E-02	2.17E-01	0.00E-00	1.46E-01	6.90E-02	5.93E-02	8.90E-02	2.00E-01	0.00E+00	2.17E-01	5.20E-02	2.17E-01	2.41E-01	2.30E-01	0.00E+00	0.00E+00	0.00E+00	6.10E-02
	HNT126BR	2.00E-02	2.52E-02	4.16E-01	2.01E-02	1.07E-02	0.00E+00	1.24E-01	4.07E-02	1.43E-02	2.64E-02	0.00E+00	1.73E-01	6.05E-02	1.60E-01	1.88E-01	5.81E-02	3.07E-02	2.80E-04	2.12E-01	2.38E-02	2.78E-01	0.00E-00	1.91E-01	1.18E-01	7.50E-02	1.01E-01	3.40E-01	0.00E+00	2.78E-01	6.84E-02	2.78E-01	3.14E-01	3.40E-01	0.00E+00	0.00E+00	0.00E+00	8.20E-02
	HNT126DR	2.00E-02	2.54E-02	4.20E-01	2.01E-02	1.06E-02	0.00E+00	1.25E-01	4.07E-02	1.35E-02	2.65E-02	0.00E+00	1.82E-01	6.05E-02	1.59E-01	1.88E-01	5.80E-02	3.07E-02	2.80E-04	2.10E-01	2.42E-02	2.78E-01	0.00E-00	1.91E-01	1.18E-01	7.50E-02	1.01E-01	3.40E-01	0.00E+00	2.78E-01	6.90E-02	2.78E-01	3.14E-01	3.47E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-02
	HNT127DR	2.15E-02	2.54E-02	4.25E-01	2.01E-02	1.06E-02	0.00E+00	1.25E-01	4.07E-02	1.37E-02	2.63E-02	0.00E+00	1.82E-01	6.03E-02	1.59E-01	1.88E-01	5.80E-02	3.07E-02	2.80E-04	2.11E-01	2.45E-02	2.78E-01	0.00E-00	1.91E-01	1.18E-01	7.50E-02	1.01E-01	3.40E-01	0.00E+00	2.78E-01	6.90E-02	2.78E-01	3.14E-01	3.47E-01	0.00E+00	0.00E+00	0.00E+00	1.60E-02
	HNT160BR	1.80E-02	2.41E-02	3.48E-01	2.06E-02	1.20E-02	0.00E+00	1.04E-01	3.11E-02	1.09E-02	2.09E-02	0.00E+00	1.51E-01	5.00E-02	1.25E-01	1.34E-01	4.43E-02	3.07E-02	2.00E-04	1.62E-01	2.07E-02	2.17E-01	0.00E-00	1.48E-01	6.97E-02	5.95E-02	8.92E-02	2.00E-01	0.00E+00	2.17E-01	5.20E-02	2.17E-01	2.44E-01	2.30E-01	0.00E+00	0.00E+00	0.00E+00	6.27E-02
	HNT160DR	1.80E-02	2.42E-02	3.36E-01	2.04E-02	1.17E-02	0.00E+00	1.03E-01	3.10E-02	1.08E-02	2.10E-02	0.00E+00	1.57E-01	5.05E-02	1.24E-01	1.33E-01	4.43E-02	3.07E-02	2.00E-04	1.61E-01	2.15E-02	2.17E-01	0.00E-00	1.46E-01	6.90E-02	5.93E-02	8.90E-02	2.00E-01	0.00E+00	2.18E-01	5.20E-02	2.18E-01	2.44E-01	2.30E-01	0.00E+00	0.00E+00	0.00E+00	6.24E-02
	HNT161BR	2.00E-02	2.52E-02	4.16E-01	2.01E-02	1.07E-02	0.00E+00	1.24E-01	4.07E-02	1.43E-02	2.64E-02	0.00E+00	1.73E-01	6.05E-02	1.60E-01	1.88E-01	5.81E-02	3.07E-02	2.80E-04	2.12E-01	2.38E-02	2.78E-01	0.00E-00	1.91E-01	1.18E-01	7.50E-02	1.01E-01	3.40E-01	0.00E+00	2.78E-01	6.84E-02	2.78E-01	3.14E-01	3.40E-01	0.00E+00	0.00E+00	0.00E+00	8.20E-02
	HNT161DR	2.00E-02	2.54E-02	4.20E-01	2.01E-02	1.06E-02	0.00E+00	1.25E-01	4.07E-02	1.35E-02	2.65E-02	0.00E+00	1.82E-01	6.05E-02	1.59E-01	1.88E-01	5.80E-02	3.07E-02	2.80E-04	2.10E-01	2.42E-02	2.78E-01	0.00E-00	1.91E-01	1.18E-01	7.50E-02	1.01E-01	3.40E-01	0.00E+00	2.78E-01	6.90E-02	2.78E-01	3.14E-01	3.47E-01				





















HJM251DR	-552E-01	4.40E-01	-8.80E-01	4.88E-01	0.00E+00	0.00E+00	1.25E-02	5.56E-02	2.58E-02	2.95E-01	0.00E+00	-1.50E-08	-6.11E-08	-6.41E-08	4.78E-02	4.28E-01	0.00E+00	0.00E+00	-1.04E-02	5.49E-04	4.03E-01	0.00E+00	-1.40E-07	-7.33E-07	-8.91E-02	3.36E-07	8.15E+00	0.00E+00	4.03E-01	-1.61E-03	4.03E-01	4.88E-01	-1.83E-03	0.00E+00	0.00E+00	0.00E+00	4.51E-03
HJM320DR	-4.40E-01	2.21E-02	-2.32E-02	2.38E-02	0.00E+00	0.00E+00	1.24E-03	5.55E-03	2.57E-03	2.94E-01	0.00E+00	-9.47E-07	-6.07E-07	-6.40E-07	2.18E-02	4.26E-01	0.00E+00	0.00E+00	-1.04E-02	5.47E-04	4.02E-01	0.00E+00	-1.39E-07	-7.26E-07	-8.89E-02	3.35E-07	8.14E+00	0.00E+00	4.02E-01	-1.61E-03	4.02E-01	4.87E-01	-1.82E-03	0.00E+00	0.00E+00	4.50E-03	
HJM321DR	-552E-01	4.40E-01	6.86E-03	4.88E-03	0.00E+00	0.00E+00	-1.25E-02	5.56E-02	2.58E-02	2.95E-01	0.00E+00	1.52E-08	6.11E-08	6.41E-08	4.78E-02	4.28E-01	0.00E+00	0.00E+00	-1.04E-02	5.52E-04	4.03E-01	0.00E+00	1.40E-07	7.33E-07	8.91E-02	3.36E-07	8.15E+00	0.00E+00	4.03E-01	-1.61E-03	4.03E-01	4.88E-01	-1.83E-03	0.00E+00	0.00E+00	4.51E-03	
HJM400DR	-4.86E-01	5.46E-01	-2.85E-03	3.75E-03	0.00E+00	0.00E+00	1.03E-02	4.60E-02	2.25E-02	2.50E-01	0.00E+00	-2.26E-08	-8.97E-08	-9.51E-08	3.20E-02	3.90E-01	0.00E+00	0.00E+00	-1.04E-02	5.78E-04	4.04E-01	0.00E+00	-1.41E-07	-7.57E-07	-9.01E-02	3.37E-07	8.16E+00	0.00E+00	4.04E-01	-1.61E-03	4.04E-01	4.89E-01	-1.84E-03	0.00E+00	0.00E+00	4.52E-03	
HJM401DR	-554E-01	5.02E-02	-2.31E-02	-3.84E-02	0.00E+00	0.00E+00	-1.25E-02	-5.57E-02	-2.58E-02	2.97E-01	0.00E+00	-1.86E-08	-6.85E-08	-6.47E-08	3.64E-02	4.66E-01	0.00E+00	0.00E+00	-1.04E-02	4.93E-04	4.04E-01	0.00E+00	-1.53E-07	-7.97E-07	-9.02E-02	3.37E-07	8.16E+00	0.00E+00	4.04E-01	-1.62E-03	4.04E-01	4.89E-01	-1.84E-03	0.00E+00	0.00E+00	4.52E-03	
HJM630DE	-5.06E-01	1.62E-01	-1.26E-01	1.86E-01	0.00E+00	0.00E+00	1.10E-03	5.17E-03	1.86E-03	2.92E-01	0.00E+00	-2.26E-08	-8.96E-08	-9.49E-08	3.20E-02	3.91E-01	0.00E+00	0.00E+00	-1.04E-02	4.77E-04	4.05E-01	0.00E+00	-1.41E-07	-7.57E-07	-9.01E-02	3.37E-07	8.16E+00	0.00E+00	4.05E-01	-1.62E-03	4.05E-01	4.90E-01	-1.84E-03	0.00E+00	0.00E+00	4.52E-03	
HJM631DE	-5.54E-01	4.57E-01	-2.89E-02	4.75E-02	0.00E+00	0.00E+00	-1.25E-02	5.56E-02	2.58E-02	2.97E-01	0.00E+00	2.02E-08	6.88E-08	6.47E-08	3.20E-02	3.90E-01	0.00E+00	0.00E+00	-1.04E-02	5.72E-04	4.05E-01	0.00E+00	1.40E-07	7.33E-07	8.91E-02	3.36E-07	8.15E+00	0.00E+00	4.05E-01	-1.62E-03	4.05E-01	4.89E-01	-1.84E-03	0.00E+00	0.00E+00	4.52E-03	
HJM025BR	-7.48E-02	-1.19E-02	-1.60E-02	-1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-03	4.78E-04	0.00E+00	-1.70E-08	-6.54E-08	-1.78E-08	1.20E-03	1.00E-01	0.00E+00	0.00E+00	-1.23E-02	0.00E+00	0.00E+00	0.00E+00	-1.24E-07	-4.78E-07	-1.40E-02	1.85E-02	1.85E-02	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HJM025DR	-7.48E-02	-1.19E-02	-1.60E-02	-1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-03	4.78E-04	0.00E+00	-1.70E-08	-6.54E-08	-1.78E-08	1.20E-03	1.00E-01	0.00E+00	0.00E+00	-1.23E-02	0.00E+00	0.00E+00	0.00E+00	-1.24E-07	-4.78E-07	-1.40E-02	1.85E-02	1.85E-02	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML026BR	-1.31E-01	-1.78E-02	2.20E-02	1.61E-02	0.00E+00	0.00E+00	-3.42E-01	-1.52E-01	5.66E-01	6.74E-02	0.00E+00	0.00E+00	-2.82E-08	-1.36E-08	-1.97E-08	1.37E-03	1.17E-01	0.00E+00	0.00E+00	-1.88E-01	1.88E-01	0.00E+00	0.00E+00	-1.89E-07	-6.92E-07	-2.32E-02	3.00E-02	3.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML026DR	-1.31E-01	-1.78E-02	2.20E-02	1.61E-02	0.00E+00	0.00E+00	-3.42E-01	-1.52E-01	5.66E-01	6.74E-02	0.00E+00	0.00E+00	-2.82E-08	-1.36E-08	-1.97E-08	1.37E-03	1.17E-01	0.00E+00	0.00E+00	-1.88E-01	1.88E-01	0.00E+00	0.00E+00	-1.89E-07	-6.92E-07	-2.32E-02	3.00E-02	3.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML040BR	-7.38E-02	-1.34E-02	-1.86E-02	-1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03	1.73E-03	5.22E-03	0.00E+00	-1.78E-08	-6.46E-08	-6.61E-08	1.00E-03	0.00E+00	0.00E+00	-1.27E-01	0.00E+00	0.00E+00	0.00E+00	-1.14E-07	-4.00E-07	-1.31E-02	2.74E-02	1.85E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML040DR	-7.38E-02	-1.34E-02	-1.86E-02	-1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03	1.73E-03	5.22E-03	0.00E+00	-1.78E-08	-6.46E-08	-6.61E-08	1.00E-03	0.00E+00	0.00E+00	-1.27E-01	0.00E+00	0.00E+00	0.00E+00	-1.14E-07	-4.00E-07	-1.31E-02	2.74E-02	1.85E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML041BR	-1.17E-01	-1.37E-01	-1.64E-01	-1.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-02	2.22E-02	7.73E-02	0.00E+00	2.88E-08	1.22E-08	1.71E-08	1.22E-03	0.00E+00	0.00E+00	-2.72E-01	0.00E+00	0.00E+00	0.00E+00	-2.72E-07	-1.22E-07	-3.88E-02	1.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HML041DR	-1.17E-01	-1.37E-01	-1.64E-01	-1.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-02	2.22E-02	7.73E-02	0.00E+00	2.88E-08	1.22E-08	1.71E-08	1.22E-03	0.00E+00	0.00E+00	-2.72E-01	0.00E+00	0.00E+00	0.00E+00	-2.72E-07	-1.22E-07	-3.88E-02	1.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HML050BR	-7.31E-02	-1.14E-02	-1.67E-02	-1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	1.74E-03	5.13E-03	0.00E+00	-1.85E-08	-6.33E-08	-1.64E-08	1.01E-03	0.00E+00	0.00E+00	-1.23E-01	0.00E+00	0.00E+00	0.00E+00	-1.15E-07	-3.98E-07	-1.40E-02	2.69E-02	1.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML051BR	-1.20E-01	-1.71E-02	2.16E-02	1.61E-02	0.00E+00	0.00E+00	-3.41E-01	-1.52E-01	5.70E-01	6.95E-02	0.00E+00	0.00E+00	-2.81E-08	-1.31E-08	-1.94E-08	1.37E-03	1.18E-01	0.00E+00	0.00E+00	-1.89E-01	1.89E-01	0.00E+00	0.00E+00	-1.90E-07	-6.92E-07	-2.32E-02	3.00E-02	3.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HML063BR	-7.77E-02	-1.40E-02	-1.97E-02	-1.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03	1.93E-03	5.68E-03	0.00E+00	-1.85E-08	-6.30E-08	-1.65E-08	1.02E-03	0.00E+00	0.00E+00	-1.23E-01	0.00E+00	0.00E+00	0.00E+00	-1.15E-07	-3.99E-07	-1.40E-02	2.70E-02	1.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML063DR	-8.41E-02	-1.38E-02	-1.86E-02	-1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	1.74E-03	5.44E-03	0.00E+00	-1.75E-08	-6.24E-08	-1.60E-08	1.00E-03	0.00E+00	0.00E+00	-1.22E-01	0.00E+00	0.00E+00	0.00E+00	-1.12E-07	-3.96E-07	-1.39E-02	2.77E-02	1.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML063DR31/21/0A	-1.00E-01	-1.44E-02	-1.94E-02	-1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	1.85E-03	5.64E-03	0.00E+00	-1.84E-08	-6.28E-08	-1.64E-08	1.01E-03	0.00E+00	0.00E+00	-1.24E-01	0.00E+00	0.00E+00	0.00E+00	-1.14E-07	-3.97E-07	-1.40E-02	2.72E-02	1.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML064BR	-1.15E-01	-1.22E-01	-1.49E-01	-1.07E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-02	2.03E-02	7.13E-02	0.00E+00	2.88E-08	1.22E-08	1.71E-08	1.22E-03	0.00E+00	0.00E+00	-2.72E-01	0.00E+00	0.00E+00	0.00E+00	-2.72E-07	-1.22E-07	-3.88E-02	1.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML064DR	-1.15E-01	-1.22E-01	-1.49E-01	-1.07E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-02	2.03E-02	7.13E-02	0.00E+00	2.88E-08	1.22E-08	1.71E-08	1.22E-03	0.00E+00	0.00E+00	-2.72E-01	0.00E+00	0.00E+00	0.00E+00	-2.72E-07	-1.22E-07	-3.88E-02	1.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML080BR	-7.36E-02	-1.14E-02	-1.67E-02	-1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	1.74E-03	5.13E-03	0.00E+00	-1.85E-08	-6.33E-08	-1.64E-08	1.01E-03	0.00E+00	0.00E+00	-1.23E-01	0.00E+00	0.00E+00	0.00E+00	-1.15E-07	-3.98E-07	-1.40E-02	2.69E-02	1.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML080DR	-7.41E-02	-1.16E-02	-1.69E-02	-1.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	1.75E-03	5.14E-03	0.00E+00	-1.85E-08	-6.33E-08	-1.64E-08	1.01E-03	0.00E+00	0.00E+00	-1.23E-01	0.00E+00	0.00E+00	0.00E+00	-1.15E-07	-3.98E-07	-1.40E-02	2.69E-02	1.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML080DR31/21/0A	-1.00E-01	-1.44E-02	-1.94E-02	-1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	1.85E-03	5.64E-03	0.00E+00	-1.84E-08	-6.28E-08	-1.64E-08	1.01E-03	0.00E+00	0.00E+00	-1.24E-01	0.00E+00	0.00E+00	0.00E+00	-1.14E-07	-3.97E-07	-1.40E-02	2.72E-02	1.81E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
HML081BR	-1.22E-01	-1.71E-02	2.16E-02	1.61E-02	0.00E+00	0.00E+00	-3.41E-01	-1.52E-01	5.70E-01	6.95E-02	0.00E+00	0.00E+00	-2.81E-08	-1.31E-08	-1.94E-08																						







HNT201DR	-2.03E-01	-3.69E-03	-4.63E-02	-3.37E-03	0.00E+00	0.00E+00	-5.31E-01	-1.95E-02	-1.02E-02	-1.38E-01	0.00E+00	0.00E+00	-4.93E-03	-2.26E-03	-7.54E-02	-2.81E-01	0.00E+00	0.00E+00	-4.27E-01	0.00E+00	-3.48E-01	0.00E+00	-1.67E-01	-5.17E-01	-3.87E-02	0.00E+00	-1.95E-01	0.00E+00	-3.48E-01	-5.95E-04	-3.45E-01	-4.98E-01	-1.99E-01	0.00E+00	0.00E+00	0.00E+00	-2.69E-03
HNT202DR	-2.02E-01	-3.39E-03	-4.32E-02	-3.28E-03	0.00E+00	0.00E+00	-5.28E-01	-1.92E-02	-1.02E-02	-1.27E-01	0.00E+00	0.00E+00	-4.86E-03	-2.28E-03	-7.23E-02	-2.82E-01	0.00E+00	0.00E+00	-4.23E-01	0.00E+00	-3.42E-01	0.00E+00	-1.62E-01	-5.02E-01	-3.82E-02	0.00E+00	-1.92E-01	0.00E+00	-3.42E-01	-5.93E-04	-3.42E-01	-4.22E-01	-1.92E-01	0.00E+00	0.00E+00	0.00E+00	-2.69E-03
HNT250BR	-1.53E-01	-2.98E-03	-4.45E-02	-2.46E-03	0.00E+00	0.00E+00	-4.80E-01	-1.47E-02	-7.62E-02	-9.99E-02	0.00E+00	0.00E+00	-3.39E-03	-1.73E-03	-5.97E-02	-2.31E-01	0.00E+00	0.00E+00	-4.71E-01	0.00E+00	-2.89E-01	0.00E+00	-1.22E-01	-3.93E-01	-2.91E-02	0.00E+00	-6.99E-02	0.00E+00	-2.69E-01	-4.49E-04	-2.62E-01	-3.21E-01	-4.98E-01	0.00E+00	0.00E+00	0.00E+00	-2.61E-03
HNT250DR	-1.56E-01	-2.98E-03	-7.97E-02	-2.98E-03	0.00E+00	0.00E+00	-4.98E-01	-1.50E-02	-7.89E-02	-9.82E-02	0.00E+00	0.00E+00	-3.39E-03	-1.79E-03	-6.89E-02	-2.39E-01	0.00E+00	0.00E+00	-5.08E-01	0.00E+00	-2.71E-01	0.00E+00	-1.28E-01	-3.94E-01	-2.97E-02	0.00E+00	-6.46E-02	0.00E+00	-2.71E-01	-4.62E-04	-2.71E-01	-3.95E-01	-4.49E-01	0.00E+00	0.00E+00	0.00E+00	-2.77E-03
HNT250DR-690	-1.57E-01	-2.99E-03	-3.86E-02	-2.97E-03	0.00E+00	0.00E+00	-4.94E-01	-1.19E-02	-6.22E-02	-1.07E-01	0.00E+00	2.26E-07	-3.98E-03	-1.57E-03	-6.19E-02	-2.91E-01	0.00E+00	0.00E+00	-4.37E-01	-7.87E-01	-2.97E-01	0.00E+00	-6.31E-02	-3.64E-01	-3.95E-02	-5.19E-02	-5.19E-02	0.00E+00	-2.07E-01	-4.43E-04	-2.97E-01	-2.99E-01	-3.23E-01	0.00E+00	0.00E+00	0.00E+00	-1.99E-03
HNT251BR	-2.64E-01	-3.32E-03	-4.33E-02	-3.37E-03	0.00E+00	0.00E+00	-5.31E-01	-1.96E-02	-1.01E-02	-1.27E-01	0.00E+00	0.00E+00	-4.47E-03	-2.30E-03	-7.34E-02	-3.03E-01	0.00E+00	0.00E+00	-4.25E-01	0.00E+00	-3.41E-01	0.00E+00	-1.62E-01	-5.06E-01	-3.85E-02	0.00E+00	-8.90E-02	0.00E+00	-3.41E-01	-5.97E-04	-3.41E-01	-4.21E-01	-4.99E-01	0.00E+00	0.00E+00	0.00E+00	-2.67E-03
HNT251DR-690	-1.69E-01	-2.19E-03	-3.59E-02	-2.91E-03	0.00E+00	0.00E+00	-4.46E-01	-1.79E-02	-7.31E-02	-1.24E-01	0.00E+00	2.26E-07	-3.19E-03	-2.29E-03	-6.31E-02	-2.46E-01	0.00E+00	0.00E+00	-4.54E-01	-7.97E-01	-2.24E-01	0.00E+00	-6.99E-02	-4.99E-01	-3.94E-02	-5.19E-02	-5.19E-02	0.00E+00	-2.24E-01	-4.14E-04	-2.24E-01	-3.19E-01	-3.23E-01	0.00E+00	0.00E+00	0.00E+00	-1.69E-03
HNT252DR	-2.91E-01	-3.39E-03	-4.96E-02	-3.37E-03	0.00E+00	0.00E+00	-5.25E-01	-1.95E-02	-1.02E-02	-1.35E-01	0.00E+00	0.00E+00	-4.46E-03	-2.27E-03	-7.31E-02	-3.04E-01	0.00E+00	0.00E+00	-4.21E-01	0.00E+00	-3.41E-01	0.00E+00	-1.62E-01	-5.02E-01	-3.81E-02	0.00E+00	-8.90E-02	0.00E+00	-3.41E-01	-5.96E-04	-3.41E-01	-4.21E-01	-4.99E-01	0.00E+00	0.00E+00	0.00E+00	-2.65E-03
HNW320BR	-5.39E-01	-2.19E-03	-1.69E-02	-2.26E-03	0.00E+00	0.00E+00	-1.17E-02	-4.42E-02	-2.39E-02	-2.82E-01	0.00E+00	-5.02E-07	-4.99E-03	-4.24E-03	-1.17E-02	-2.94E-01	0.00E+00	0.00E+00	-9.91E-01	-1.67E-04	-2.39E-01	0.00E+00	-3.71E-02	-6.02E-01	-6.37E-02	-1.24E-01	-4.79E-02	0.00E+00	-2.39E-01	-1.54E-02	-2.39E-01	-2.94E-01	-4.79E-01	0.00E+00	0.00E+00	0.00E+00	-4.19E-03
HNW321BR	-5.39E-01	-3.02E-03	-3.39E-03	-3.45E-03	0.00E+00	0.00E+00	-1.17E-02	-5.45E-02	-2.49E-02	-2.82E-01	0.00E+00	-7.29E-07	-4.99E-03	-4.24E-03	-3.92E-02	-2.99E-01	0.00E+00	0.00E+00	-9.91E-01	-2.64E-04	-2.92E-01	0.00E+00	-3.97E-02	-6.07E-01	-6.37E-02	-1.25E-01	-4.25E-02	0.00E+00	-2.92E-01	-1.54E-02	-2.92E-01	-4.25E-01	0.00E+00	0.00E+00	0.00E+00	-4.19E-03	
HNW500BR	-5.32E-01	-4.07E-03	-3.29E-02	-4.38E-03	0.00E+00	0.00E+00	-1.17E-02	-5.45E-02	-2.39E-02	-2.82E-01	0.00E+00	-1.34E-06	-5.48E-03	-4.29E-03	-4.19E-02	-4.44E-01	0.00E+00	0.00E+00	-9.99E-01	-4.79E-04	-3.78E-01	0.00E+00	-1.28E-01	-7.23E-01	-6.46E-02	-3.96E-01	-6.90E-02	0.00E+00	-3.78E-01	-1.54E-02	-3.78E-01	-4.78E-01	-4.91E-01	0.00E+00	0.00E+00	0.00E+00	-4.24E-03
HNW501BR	-5.32E-01	-4.29E-03	-1.86E-02	-4.97E-03	0.00E+00	0.00E+00	-1.17E-02	-5.45E-02	-2.49E-02	-2.82E-01	0.00E+00	-1.41E-06	-5.48E-03	-4.29E-03	-2.91E-02	-4.29E-01	0.00E+00	0.00E+00	-9.99E-01	-4.99E-04	-3.71E-01	0.00E+00	-1.09E-01	-7.31E-01	-6.46E-02	-3.27E-01	-6.32E-02	0.00E+00	-3.71E-01	-1.54E-02	-3.71E-01	-4.92E-01	-4.33E-01	0.00E+00	0.00E+00	0.00E+00	-4.24E-03
HPW320BR	-5.39E-01	-2.19E-03	-1.69E-02	-2.26E-03	0.00E+00	0.00E+00	-1.17E-02	-4.42E-02	-2.39E-02	-2.82E-01	0.00E+00	-5.02E-07	-4.99E-03	-4.24E-03	-1.17E-02	-2.94E-01	0.00E+00	0.00E+00	-9.91E-01	-1.67E-04	-2.39E-01	0.00E+00	-3.71E-02	-6.02E-01	-6.37E-02	-1.24E-01	-4.79E-02	0.00E+00	-2.39E-01	-1.54E-02	-2.39E-01	-2.94E-01	-4.79E-01	0.00E+00	0.00E+00	0.00E+00	-4.19E-03
HPW321BR	-5.39E-01	-3.02E-03	-3.39E-03	-3.45E-03	0.00E+00	0.00E+00	-1.17E-02	-5.45E-02	-2.49E-02	-2.82E-01	0.00E+00	-7.29E-07	-4.99E-03	-4.24E-03	-3.92E-02	-2.99E-01	0.00E+00	0.00E+00	-9.91E-01	-2.64E-04	-2.92E-01	0.00E+00	-3.97E-02	-6.07E-01	-6.37E-02	-1.25E-01	-4.25E-02	0.00E+00	-2.92E-01	-1.54E-02	-2.92E-01	-4.25E-01	0.00E+00	0.00E+00	0.00E+00	-4.19E-03	
HPW500BR	-5.32E-01	-4.07E-03	-3.29E-02	-4.38E-03	0.00E+00	0.00E+00	-1.17E-02	-5.45E-02	-2.39E-02	-2.82E-01	0.00E+00	-1.34E-06	-5.48E-03	-4.29E-03	-4.19E-02	-4.44E-01	0.00E+00	0.00E+00	-9.99E-01	-4.79E-04	-3.78E-01	0.00E+00	-1.28E-01	-7.23E-01	-6.46E-02	-3.96E-01	-6.90E-02	0.00E+00	-3.78E-01	-1.54E-02	-3.78E-01	-4.78E-01	-4.91E-01	0.00E+00	0.00E+00	0.00E+00	-4.24E-03
HPW501BR	-5.32E-01	-4.29E-03	-1.86E-02	-4.97E-03	0.00E+00	0.00E+00	-1.17E-02	-5.45E-02	-2.49E-02	-2.82E-01	0.00E+00	-1.41E-06	-5.48E-03	-4.29E-03	-2.91E-02	-4.29E-01	0.00E+00	0.00E+00	-9.99E-01	-4.99E-04	-3.71E-01	0.00E+00	-1.09E-01	-7.31E-01	-6.46E-02	-3.27E-01	-6.32E-02	0.00E+00	-3.71E-01	-1.54E-02	-3.71E-01	-4.92E-01	-4.33E-01	0.00E+00	0.00E+00	0.00E+00	-4.24E-03
HPW632DE	-5.94E-01	-4.99E-03	-2.39E-02	-4.72E-03	0.00E+00	0.00E+00	-1.25E-02	-5.97E-02	-2.99E-02	-3.97E-01	0.00E+00	-2.02E-06	-6.92E-03	-4.47E-03	-4.29E-02	-5.19E-01	0.00E+00	0.00E+00	-1.05E-02	-7.29E-04	-4.47E-01	0.00E+00	-1.48E-01	-9.72E-01	-9.02E-02	-4.78E-01	-9.90E-02	0.00E+00	-4.47E-01	-1.62E-02	-4.47E-01	-5.52E-01	-8.99E-01	0.00E+00	0.00E+00	0.00E+00	-4.99E-03