

Product Environmental Profile

Enclosures FWP, univers, IP44, SKII, 120PLE



Company information

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A question concerning the Product Environmental Profile: infopep@hager.com

References covered

Cabinet Ranges: FW*, FR*, FP*, FG*, FS*; casing parts; UniversN; empty enclosure meter board; meter panel; Accessories

For complete list of the covered references, see details in Annex I

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed4-2021 09 06 and PSR version No PSR issued by the PEP ecompassport program.
For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification

FWB52S

Use scenario based on :

PSR product Category : No PSR
0

Functional unit

Protect people from direct contact with live active parts and ensure the grouping of control, command and protection devices in a single enclosure or cabinet having the following dimensions 800x550x165mm, with rated current In 125A, while protecting them against mechanical impacts (IK09) and the penetration of solid objects and liquids (IP44), according to the appropriate use scenario, and for the reference service life of the product of 20 years.

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

Materials and substances

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

Plastics			Metals			Others		
	g	%		g	%		g	%
HI PS	1500.60	8.1%	Steel	12436.98	66.8%	Cardboard	1402.73	7.5%
PS	1034.00	5.6%	Copper	155.35	0.8%	Wood	435.91	2.3%
Silicon rubber	327.80	1.8%	Zinc	26.69	0.1%	Titanium dioxide	69.75	0.4%
PC	126.18	0.7%	Other	41.05	0.2%	Glass	41.34	0.2%
PA6	121.92	0.7%				Other	288.87	1.6%
Other	560.91	3.0%						
Total mass of reference product with raw material packaging :			##### g					
Total mass of reference product (Product + packaging)			17436.402 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 the packaging waste treatment is taken into account.

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
0	0%	0	100%

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	100%

For the reference product there is no Power loss in the Use-Phase. If there is an internal equipment with Power Loss the use phase is calculated based on PowerLoss (Pw) at 30% of the nominal current, 100% of time. The life span is 20 years.

Energy model of the use phase :

None

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: 76%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

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

All calculations are done with EIME software version 6.2.3 with the database version CODDE© 2024-04 .

Indicators set : Indicators for PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4
Europe	None	Europe	None	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	2.52E-01	2.01E-02	3.27E-03	0.00E+00	7.48E-02	3.51E-01	-4.62E-02
Climate change - Total (PEF-GWP)	kg CO2 eq.	7.61E+01	3.17E+00	1.46E+00	0.00E+00	1.67E+01	9.74E+01	-9.54E+00
Climate change-Biogenic (PEF-GWPb)	kg CO2 eq.	-1.93E+00	0.00E+00	2.72E-01	0.00E+00	9.29E-01	-7.29E-01	8.81E-02
Climate change-Fossil (PEF-GWPF)	kg CO2 eq.	7.80E+01	3.17E+00	1.18E+00	0.00E+00	1.58E+01	9.82E+01	-9.63E+00
Climate change-Land use and land use change (PEF-GWPlu)	kg CO2 eq.	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00
Ecotoxicity, freshwater (PEF-CTUe)	CTUe	4.86E+03	2.08E+00	1.69E+01	0.00E+00	1.73E+02	5.06E+03	1.88E+01
EF-particulate Matter (PEF-PM)	Incidence of diseases	1.33E-06	1.63E-07	1.95E-08	0.00E+00	7.42E-07	2.25E-06	-9.33E-07
Eutrophication, freshwater (PEF-Epf)	kg P eq.	2.40E-04	1.19E-06	1.61E-05	0.00E+00	3.47E-04	6.05E-04	-4.71E-03
Eutrophication marine (PEF-Epm)	kg N eq.	4.31E-02	9.41E-03	1.56E-03	0.00E+00	1.93E-02	7.34E-02	-2.50E-03
Eutrophication, terrestrial (PEF-Ept)	mole of N eq.	4.63E-01	1.03E-01	9.70E-03	0.00E+00	1.58E-01	7.33E-01	-9.68E-02
Human toxicity, cancer (PEF-CTUh-c)	CTUh	3.22E-07	5.57E-11	1.29E-07	0.00E+00	2.62E-08	4.78E-07	-1.28E-07
Human toxicity, non-cancer (PEF-CTUh-nc)	CTUh	1.12E-06	1.08E-09	3.79E-09	0.00E+00	4.27E-07	1.55E-06	-2.82E-07
Ionising radiation, human health (PEF-IR)	kg Bq U235 eq.	8.24E+01	7.72E-03	1.76E-01	0.00E+00	1.07E+00	8.36E+01	2.60E-01
Land use (PEF-LU)	No dimension	2.19E+00	0.00E+00	3.13E-03	0.00E+00	3.52E+01	3.74E+01	-2.80E+01
Ozone depletion (PEF-ODP)	kg CFC-11 eq.	2.84E-06	4.86E-09	1.51E-08	0.00E+00	1.69E-06	4.55E-06	7.87E-08
Photochemical ozone formation - human health (PEF-POCP)	kg of NMVOC eq.	1.67E-01	2.60E-02	2.27E-03	0.00E+00	4.33E-02	2.39E-01	-5.65E-02
Resource use, fossils (PEF-ADPF)	MJ	2.28E+04	4.42E+01	1.12E+01	0.00E+00	2.22E+02	2.31E+04	-5.60E+01
Resource use, minerals and metals (PEF-ADPe)	kg Sb eq	1.88E-02	1.25E-07	2.74E-08	0.00E+00	4.91E-05	1.89E-02	-2.37E-04
Water use (PEF-WU)	m3 eq.	2.38E+01	1.20E-02	8.83E-02	0.00E+00	4.23E+03	4.25E+03	-2.27E+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	5.54E-01	2.80E-04	2.06E-03	0.00E+00	1.22E+02	1.22E+02	-4.54E+01
Total use of primary energy	MJ	2.29E+04	4.43E+01	1.27E+01	0.00E+00	2.43E+02	2.32E+04	-6.06E+01
Total use of non renewable primary energy resources	MJ	2.28E+04	4.42E+01	1.12E+01	0.00E+00	2.22E+02	2.31E+04	-5.60E+01
Total use of renewable primary energy resources	MJ	4.15E+01	5.90E-02	1.49E+00	0.00E+00	2.12E+01	6.42E+01	-4.65E+00
Use of non-renewable primary energy, excluding non renewable primary energy resources used as raw materials	MJ	2.27E+04	4.42E+01	1.12E+01	0.00E+00	2.22E+02	2.30E+04	-5.60E+01
Use of non-renewable primary energy resources as raw materials	MJ	1.48E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E+02	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
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	kg	7.77E+00	5.90E-02	1.49E+00	0.00E+00	2.12E+01	3.05E+01	-4.65E+00
Use of renewable primary energy resources as raw materials	MJ	3.37E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E+01	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 materials	kg	7.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-02	0.00E+00

Waste category indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Hazardous waste disposed	kg	2.00E+01	0.00E+00	2.86E-02	0.00E+00	-3.68E-02	2.00E+01	3.06E-18
Non-hazardous waste disposed	kg	6.28E+00	1.11E-01	4.86E-01	0.00E+00	4.99E-01	7.37E+00	1.07E-17
Radioactive waste disposed	kg	2.47E-03	7.93E-05	5.80E-05	0.00E+00	1.46E-05	2.62E-03	0.00E+00

Output flow indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	MJ	1.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-01	0.00E+00
Materials for energy recovery	kg	1.99E-01	0.00E+00	9.88E-02	0.00E+00	1.25E-03	2.99E-01	0.00E+00
Materials for recycling	kg	2.30E+00	0.00E+00	2.54E-03	0.00E+00	0.00E+00	2.30E+00	0.00E+00

Biogenic carbon content


Packaging	Unit	Cardboard	Paper	Wood	Sum
Biogenic carbon content (ratio)	%	2.80E+01	3.78E+01	3.95E+01	
Mass	kg	1.40E+00	2.88E-02	4.36E-01	1.87E+00
Biogenic carbon content (declared unit)	kg of C	3.93E-01	1.09E-02	1.72E-01	5.76E-01
Biogenic carbon content (functional unit)	kg of C	3.93E-01	1.09E-02	1.72E-01	5.76E-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

Environmental impact values for each phases and indicators are based on a Life Cycle Assessment (LCA) conducted for specific references in this product family covered by this PEP, as detailed in Appendix.

Verification

Registration N°: HAGE-00933-V01.01-EN	Drafting Rules	PEP-PCR-ed4-2021 09 06
	Supplemented by	No PSR
Verifier accreditation N°: VH37	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 12-2024	Validity period:	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006		
Internal <input checked="" type="radio"/> External <input type="radio"/>		
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.

	Acidification (PEF-AP) - [mole of 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 reuse - [kg]	Ecotoxicity, freshwater (PEF-CTUe) - [CTUe]	Eutrophication, freshwater (PEF-Ep) - [kg P eq]	Eutrophication, marine (PEF-Epm) - [kg N eq]	Eutrophication, terrestrial (PEF-Ept) - [mole of N eq]	Exponent Energy - [MJ]	Hazardous waste disposed - [kg]	Human toxicity, cancer (PEF-CTUh-c) - [CTUh]	Human toxicity, non-cancer (PEF-CTUh-n) - [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-OD) - [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-ADPI) - [MJ]	Resource use, minerals and metals (PEF-ADPe) - [kg Sb eq]	Total non renewable primary energy - [MJ]	Total primary energy - [MJ]	Total renewable primary energy - [MJ]	Use of non renewable secondary fuels - [MJ]	Use of renewable secondary fuels - [MJ]	Use of secondary material [kg]	Water use (PEF-WU) - [m3 eq]	
FWB52S	2.62E+01	7.78E+01	1.92E+00	7.95E+01	1.85E+04	0.00E+00	5.08E+03	3.26E+04	4.40E+02	4.73E+01	1.50E+01	2.34E+01	3.27E+01	1.19E+00	8.00E+01	2.93E+00	2.03E+01	2.32E+00	5.76E+01	6.54E+00	2.27E+04	1.62E+02	2.89E+00	1.39E+00	1.71E+01	2.57E+03	8.00E+00	3.41E+01	2.29E+04	2.43E+02	2.29E+04	2.29E+04	4.21E+01	0.00E+00	0.00E+00	7.03E+02	2.47E+01	
FZ8960RMA	9.75E+03	2.93E+00	-1.52E+02	2.88E+00	0.00E+00	0.00E+00	1.79E+00	4.19E+06	1.63E+03	1.79E+02	4.38E+03	7.99E+03	3.26E+03	2.17E+00	8.47E+01	1.10E+01	5.93E+03	1.29E+01	2.98E+02	5.02E+02	3.65E+03	9.37E+01	1.14E+00	5.01E+06	6.29E+03	1.47E+00	6.84E+01	4.34E+01	3.61E+03	3.71E+00	3.65E+03	3.65E+03	3.65E+03	1.12E+00	0.00E+00	0.00E+00	0.00E+00	1.02E+00
FZ8985RMA	1.41E+02	4.01E+00	3.28E+02	4.03E+00	0.00E+00	0.00E+00	1.28E+01	7.29E+06	2.35E+03	2.53E+02	6.34E+03	1.06E+02	4.72E+03	3.18E+00	8.69E+01	1.56E+01	8.98E+03	1.67E+01	3.34E+02	8.04E+02	5.19E+03	1.41E+00	2.15E+00	7.16E+00	3.00E+03	1.81E+00	7.26E+01	6.29E+01	5.19E+03	5.38E+00	5.19E+03	1.35E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E+00	
FZ8911RMA	1.83E+02	9.21E+00	3.95E+02	5.24E+00	0.00E+00	0.00E+00	1.61E+01	9.10E+06	3.05E+03	3.29E+02	8.23E+03	1.13E+02	6.12E+03	4.11E+00	8.83E+01	2.01E+01	1.11E+02	2.20E+01	4.34E+02	9.73E+02	6.72E+03	1.74E+00	2.66E+00	9.24E+00	1.17E+02	2.14E+00	7.03E+01	6.16E+01	6.72E+03	6.99E+00	6.72E+03	6.72E+03	1.56E+00	0.00E+00	0.00E+00	0.00E+00	1.87E+00	
FZ8913RMA	2.22E+02	6.35E+00	3.67E+02	6.39E+00	0.00E+00	0.00E+00	1.95E+01	1.09E+07	3.71E+03	3.99E+02	1.01E+02	1.25E+02	7.52E+03	5.00E+00	8.98E+01	2.47E+01	1.37E+02	2.62E+01	5.29E+02	1.14E+01	8.29E+03	2.07E+00	3.21E+00	1.12E+01	1.40E+02	2.47E+00	8.06E+01	1.00E+00	8.29E+03	8.53E+00	8.29E+03	2.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+00	
FZ8916RMA	2.81E+02	7.49E+00	4.35E+02	7.54E+00	0.00E+00	0.00E+00	2.25E+01	1.27E+07	4.37E+03	4.70E+02	1.20E+02	1.38E+02	8.91E+03	6.89E+00	9.13E+01	2.92E+01	1.62E+02	3.04E+01	6.24E+02	1.31E+01	9.79E+03	2.45E+00	3.74E+00	1.32E+01	1.69E+02	2.69E+00	8.42E+01	1.19E+00	9.79E+03	1.01E+04	9.79E+03	9.90E+00	2.03E+00	0.00E+00	0.00E+00	0.00E+00	2.69E+00	
FZ8935ESA	6.78E+02	1.92E+00	-1.12E+02	1.93E+00	0.00E+00	0.00E+00	1.65E+00	3.72E+06	1.13E+03	1.23E+02	2.85E+03	7.37E+03	2.13E+03	1.54E+00	8.34E+01	7.48E+02	3.86E+03	9.33E+02	1.61E+02	3.65E+02	2.93E+03	6.26E+01	1.07E+00	3.52E+00	4.33E+03	5.67E+00	6.26E+01	2.83E+01	2.93E+03	2.55E+00	2.55E+00	2.93E+03	1.12E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E+01
FZ8960ESA	1.10E+02	3.13E+00	1.83E+02	3.15E+00	0.00E+00	0.00E+00	8.93E+00	5.54E+06	1.83E+03	1.97E+02	4.74E+03	8.80E+03	3.54E+03	2.47E+00	9.50E+01	1.20E+01	6.41E+03	1.44E+01	2.62E+02	5.32E+02	4.94E+03	9.95E+01	1.60E+00	5.80E+00	7.01E+03	8.97E+00	6.71E+01	4.70E+01	4.94E+03	4.15E+00	4.04E+03	4.04E+03	1.14E+00	0.00E+00	0.00E+00	0.00E+00	1.12E+00	
FZ8985ESA	1.64E+02	4.30E+00	2.69E+02	4.28E+00	0.00E+00	0.00E+00	9.95E+00	6.96E+06	2.49E+03	2.68E+02	6.61E+03	9.88E+03	3.94E+03	2.85E+00	1.08E+01	1.66E+01	8.95E+03	1.88E+01	3.66E+02	7.32E+02	5.97E+03	1.29E+00	1.75E+00	7.96E+00	3.64E+03	1.28E+00	7.19E+01	6.96E+01	5.97E+03	5.57E+00	5.57E+03	1.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E+00	
FZ8911ESA	1.88E+02	5.40E+00	3.29E+02	5.44E+00	0.00E+00	0.00E+00	1.64E+01	9.14E+06	3.15E+03	3.39E+02	8.50E+03	1.11E+02	6.32E+03	4.23E+00	8.79E+01	2.12E+01	1.15E+02	2.30E+01	4.51E+02	8.72E+02	7.19E+03	1.62E+00	2.66E+00	9.54E+00	1.21E+02	1.55E+00	7.44E+01	8.43E+01	7.19E+03	7.24E+00	7.19E+03	7.11E+00	1.59E+00	0.00E+00	0.00E+00	0.00E+00	1.94E+00	
FZ8913ESA	2.30E+02	6.81E+00	3.94E+02	6.89E+00	0.00E+00	0.00E+00	1.99E+01	1.10E+07	3.84E+03	4.14E+02	1.04E+02	1.23E+02	7.72E+03	5.16E+00	9.92E+01	2.57E+01	1.41E+02	2.82E+01	5.52E+02	1.04E+01	8.84E+03	1.99E+00	3.25E+00	1.16E+01	1.48E+02	1.88E+00	7.81E+01	1.03E+00	8.84E+03	8.85E+00	8.84E+03	8.84E+03	1.81E+00	0.00E+00	0.00E+00	0.00E+00	3.73E+00	
FZ8916ESA	2.70E+02	7.79E+00	4.64E+02	7.80E+00	0.00E+00	0.00E+00	2.33E+01	1.28E+07	4.50E+03	4.85E+02	1.23E+02	1.37E+02	9.12E+03	6.05E+00	9.10E+01	3.09E+01	1.69E+02	3.24E+01	6.47E+02	1.21E+01	1.04E+04	2.28E+00	3.72E+00	1.39E+01	1.73E+02	2.22E+00	8.29E+01	1.22E+00	1.04E+04	1.04E+04	1.04E+04	2.09E+00	0.00E+00	0.00E+00	0.00E+00	2.78E+00		
FZ8935RRA	6.40E+02	1.80E+00	9.69E+00	1.81E+00	0.00E+00	0.00E+00	9.95E+00	5.93E+06	3.71E+03	1.16E+02	2.73E+03	7.41E+03	2.94E+03	1.47E+00	8.37E+01	6.96E+02	3.70E+03	8.32E+02	1.59E+02	4.79E+02	5.21E+03	1.29E+00	1.75E+00	3.33E+00	4.98E+03	1.18E+00	6.47E+01	4.98E+01	5.21E+03	2.39E+00	2.31E+03	2.31E+03	1.11E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E+00
FZ8960RRA	1.06E+02	3.01E+00	1.81E+02	3.02E+00	0.00E+00	0.00E+00	9.45E+00	5.53E+06	1.77E+03	1.91E+02	4.62E+03	8.74E+03	3.44E+03	2.40E+00	8.54E+01	1.15E+01	6.25E+03	1.35E+01	2.51E+02	6.48E+02	3.84E+03	1.09E+00	1.62E+00	5.41E+00	6.76E+03	1.51E+00	6.49E+01	4.98E+01	3.84E+03	3.99E+00	3.84E+03	3.85E+03	1.14E+00	0.00E+00	0.00E+00	0.00E+00	1.08E+00	
FZ8985RRA	1.46E+02	4.14E+00	2.32E+02	4.17E+00	0.00E+00	0.00E+00	1.28E+01	7.34E+06	2.43E+03	2.61E+02	6.49E+03	1.01E+02	4.84E+03	3.29E+00	8.73E+01	1.61E+01	8.79E+02	1.79E+01	3.46E+02	8.17E+02	5.99E+03	1.42E+00	2.15E+00	7.32E+00	9.22E+03	1.84E+00	7.36E+01	6.44E+01	5.99E+03	5.44E+00	5.39E+03	5.39E+03	1.38E+00	0.00E+00	0.00E+00	0.00E+00	1.46E+00	
FZ8911RRA	1.87E+02	5.35E+00	3.02E+02	5.38E+00	0.00E+00	0.00E+00	1.63E+01	9.16E+06	3.12E+03	3.36E+02	8.38E+03	1.14E+02	6.24E+03	4.21E+00	8.88E+01	2.07E+01	1.13E+02	2.30E+01	4.46E+02	9.87E+02	6.92E+03	1.75E+00	2.69E+00	8.47E+00	1.20E+02	2.17E+00	7.89E+01	8.31E+01	6.92E+03	7.14E+00	6.92E+03	6.92E+03	1.61E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+00	
FZ8913RRA	2.28E+02	6.49E+00	3.73E+02	6.52E+00	0.00E+00	0.00E+00	1.97E+01	1.10E+07	3.79E+03	4.07E+02	1.03E+02	1.28E+02	7.83E+03	5.09E+00	9.21E+01	2.52E+01	1.39E+02	2.72E+01	5.41E+02	1.16E+01	8.49E+03	2.89E+00	3.22E+00	1.14E+01	1.40E+02	2.59E+00	8.27E+01	1.02E+00	8.49E+03	8.69E+00	8.49E+03	1.84E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E+00	
FZ8916RRA	2.88E+02	7.40E+00	4.43E+02	7.47E+00	0.00E+00	0.00E+00	2.31E+01	1.28E+07	4.44E+03	4.78E+02	1.21E+02	1.40E+02	9.03E+03	5.99E+00	9.16E+01	2.98E+01	1.64E+02	3.14E+01	6.36E+02	1.32E+01	9.99E+03	2.41E+00	3.75E+00	1.34E+01	1.70E+02	2.63E+00	8.69E+01	1.20E+00	9.99E+03	1.02E+04	9.99E+03	9.99E+03	2.07E+00	0.00E+00	0.00E+00	0.00E+00	3.73E+00	
FZ8935RRLA	6.40E+02	1.80E+00	9.69E+00	1.81E+00	0.00E+00	0.00E+00	9.95E+00	5.93E+06	3.71E+03	1.16E+02	2.73E+03	7.41E+03	2.94E+03	1.47E+00	8.37E+01	6.96E+02	3.70E+03	8.32E+02	1.59E+02	4.79E+02	5.21E+03	1.29E+00	1.75E+00	3.33E+00	4.98E+03	1.18E+00	6.47E+01	4.98E+01	5.21E+03	2.39E+00	2.31E+03	2.31E+03	1.11E+01	0.00E+00	0.00E+00	0.00E+00	1.53E+00	
FZ8960RRLA	1.06E+02	3.01E+00	1.81E+02	3.02E+00	0.00E+00	0.00E+00	9.45E+00	5.53E+06	1.77E+03	1.91E+02	4.62E+03	8.74E+03	3.44E+03	2.40E+00	8.54E+01	1.15E+01	6.25E+03	1.35E+01	2.51E+02	6.48E+02	3.84E+03	1.09E+00	1.62E+00	5.41E+00	6.76E+03	1.51E+00	6.49E+01	4.98E+01	3.84E+03	3.99E+00	3.84E+03	3.85E+03	1.14E+00	0.00E+00	0.00E+00	0.00E+00	1.08E+00	
FZ8985RRLA	1.46E+02	4.14E+00	2.32E+02	4.17E+00	0.00E+00	0.00E+00	1.28E+01	7.34E+06	2.43E+03	2.61E+02	6.49E+03	1.01E+02	4.84E+03	3.29E+00	8.73E+01	1.61E+01	8.79E+02	1.79E+01	3.46E+02	8.17E+02	5.99E+03	1.42E+00	2.15E+00	7.32E+00	9.22E+03	1.84E+00	7.36E+01	6.44E+01	5.99E+03	5.44E+00	5.39E+03	5.39E+03	1.38E+00	0.00E+00	0.00E+00	0.00E+00	1.46E+00	
FZ8911RRLA	1.87E+02	5.35E+00	3.02E+02	5.38E+00	0.00E+00	0.00E+00	1.63E+01	9.16E+06	3.12E+03	3.36E+02	8.38E+03	1.14E+02	6.24E+03	4.21E+00	8.88E+01	2.07E+01	1.13E+02	2.30E+01	4.46E+02	9.87E+02	6.92E+03	1.75E+00	2.69E+00	8.47E+00	1.20E+02	2.17E+00	7.89E+01	8.31E+01	6.92E+03	7.14E+00	6.92E+03	6.92E+03	1.61E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+00	
FZ8913RRLA	2.28E+02	6.49E+00	3.73E+02	6.52E+00	0.00E+00	0.00E+00	1.97E+01	1.10E+07	3.79E+03	4.07E+02	1.03E+02	1.28E+02	7.83E+03	5.09E+00	9.21E+01	2.52E+01	1.39E+02	2.72E+01	5.41E+02	1.16E+01	8.49E+03	2.89E+00	3.22E+00	1.14E+01	1.40E+02	2.59E+00	8.27E+01	1.02E+00	8.49E+03	8.69E+00	8.49E+03	1.84E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E+00	
FZ8916RRLA	2.88E+02	7.40E+00	4.43E+02	7.47E+00	0.00E+00	0.00E+00	2.31E+01	1.28E+07	4.44E+0																													

FP83TN2	3.44E-01	1.02E-02	3.45E-01	1.06E-02	4.08E-04	0.00E+00	5.79E-02	1.27E-04	6.10E-02	6.51E-01	2.12E-01	5.07E-01	5.07E-01	8.91E-01	3.85E-01	3.43E-00	2.87E-01	2.61E-01	1.02E-00	7.85E-00	3.31E-04	1.32E-02	4.24E-00	1.77E-00	2.36E-01	3.45E-01	3.20E-00	5.64E-01	3.32E-04	2.33E-02	3.32E-04	3.32E-04	5.96E-01	0.00E+00	0.00E+00	0.00E+00	4.37E-01	
FP84QT	4.14E-01	1.23E-02	4.26E-01	1.28E-02	4.88E-04	0.00E+00	6.72E-02	1.51E-04	7.38E-02	7.86E-01	2.61E-01	5.72E-01	6.22E-01	8.62E-01	3.96E-01	4.04E-00	3.34E-01	2.82E-01	1.21E-00	8.10E-00	4.17E-04	1.59E-02	5.44E-00	2.12E-00	2.84E-01	3.91E-01	2.23E-00	6.90E-01	4.77E-04	2.33E-02	4.76E-04	4.77E-04	7.22E-01	0.00E+00	0.00E+00	0.00E+00	5.16E-01	
FP84SN2	4.16E-01	1.28E-02	4.27E-01	1.32E-02	2.36E-04	0.00E+00	6.74E-02	1.56E-04	7.80E-02	8.11E-01	2.71E-01	1.74E-00	6.30E-01	8.76E-01	4.02E-01	3.61E-00	3.47E-01	2.89E-01	1.25E-00	9.34E-00	4.33E-04	2.06E-02	5.20E-00	2.16E-00	2.91E-01	4.14E-01	3.88E-00	7.08E-01	4.37E-04	4.86E-02	4.37E-04	4.37E-04	7.46E-01	0.00E+00	0.00E+00	0.00E+00	5.36E-01	
FP92QS	2.75E-01	8.89E-01	2.99E-01	8.86E-01	2.36E-04	0.00E+00	4.95E-02	1.54E-04	5.03E-02	5.37E-01	1.83E-01	9.34E-01	4.46E-01	6.39E-01	3.16E-01	2.47E-00	2.47E-01	1.87E-01	8.88E-01	5.62E-00	2.27E-04	1.49E-02	2.63E-00	1.42E-00	3.10E-01	2.79E-01	3.31E-00	4.89E-01	2.29E-04	3.91E-02	2.29E-04	2.30E-04	5.22E-01	0.00E+00	0.00E+00	0.00E+00	3.36E-01	
FP92SN2	2.75E-01	8.89E-01	2.99E-01	8.86E-01	2.36E-04	0.00E+00	4.95E-02	1.54E-04	5.03E-02	5.37E-01	1.83E-01	9.34E-01	4.46E-01	6.39E-01	3.16E-01	2.47E-00	2.47E-01	1.87E-01	8.88E-01	5.62E-00	2.27E-04	1.49E-02	2.63E-00	1.42E-00	3.10E-01	2.79E-01	3.31E-00	4.89E-01	2.29E-04	3.91E-02	2.29E-04	2.30E-04	5.22E-01	0.00E+00	0.00E+00	0.00E+00	3.36E-01	
FP93QS	3.87E-01	1.13E-02	3.89E-01	1.17E-02	2.36E-04	0.00E+00	6.12E-02	1.83E-04	6.88E-02	7.13E-01	2.40E-01	1.33E-00	5.80E-01	8.52E-01	3.81E-01	3.17E-00	3.25E-01	2.46E-01	1.10E-00	7.62E-00	3.34E-04	1.85E-02	4.12E-00	1.83E-00	2.56E-01	3.81E-01	3.97E-00	6.27E-01	3.32E-04	5.00E-02	3.32E-04	3.32E-04	5.67E-01	0.00E+00	0.00E+00	0.00E+00	4.72E-01	
FP93SN2	3.87E-01	1.13E-02	3.89E-01	1.17E-02	2.36E-04	0.00E+00	6.12E-02	1.83E-04	6.88E-02	7.13E-01	2.40E-01	1.33E-00	5.80E-01	8.52E-01	3.81E-01	3.17E-00	3.25E-01	2.46E-01	1.10E-00	7.62E-00	3.34E-04	1.85E-02	4.12E-00	1.83E-00	2.56E-01	3.81E-01	3.97E-00	6.27E-01	3.32E-04	5.00E-02	3.32E-04	3.32E-04	5.67E-01	0.00E+00	0.00E+00	0.00E+00	4.72E-01	
FP94QS	4.54E-01	1.33E-02	4.53E-01	1.44E-02	2.36E-04	0.00E+00	7.24E-02	2.15E-04	8.25E-02	8.79E-01	2.86E-01	1.79E-00	7.05E-01	1.05E-00	4.38E-01	3.81E-00	4.03E-01	2.92E-01	1.33E-00	9.20E-00	4.43E-04	2.20E-02	5.42E-00	2.34E-00	3.18E-01	4.37E-01	3.06E-00	7.93E-01	4.41E-04	5.99E-02	4.41E-04	4.42E-04	6.23E-01	0.00E+00	0.00E+00	0.00E+00	5.94E-01	
FP94SN2	4.54E-01	1.33E-02	4.53E-01	1.44E-02	2.36E-04	0.00E+00	7.24E-02	2.15E-04	8.25E-02	8.79E-01	2.86E-01	1.79E-00	7.05E-01	1.05E-00	4.38E-01	3.81E-00	4.03E-01	2.92E-01	1.33E-00	9.20E-00	4.43E-04	2.20E-02	5.42E-00	2.34E-00	3.18E-01	4.37E-01	3.06E-00	7.93E-01	4.41E-04	5.99E-02	4.41E-04	4.42E-04	6.23E-01	0.00E+00	0.00E+00	0.00E+00	5.94E-01	
FP95SN2	5.44E-01	1.66E-02	5.75E-01	1.72E-02	2.36E-04	0.00E+00	8.35E-02	2.45E-04	9.39E-02	1.05E-00	3.57E-01	2.20E-00	8.38E-01	1.27E-00	4.95E-01	4.44E-00	4.83E-01	3.51E-01	1.68E-00	1.16E-00	5.49E-04	2.54E-02	6.68E-00	2.81E-00	3.79E-01	5.22E-01	4.58E-00	9.45E-01	5.48E-04	6.99E-02	5.48E-04	5.48E-04	9.70E-01	0.00E+00	0.00E+00	0.00E+00	7.22E-01	
FR22E1	8.93E-01	2.33E-02	7.98E-00	2.42E-02	1.13E-03	0.00E+00	5.07E-03	5.37E-04	1.43E-01	1.32E-00	4.83E-01	2.96E-01	1.14E-00	1.88E-00	6.55E-01	4.05E-00	6.53E-01	4.96E-01	2.74E-00	2.02E-00	6.09E-04	1.48E-02	2.97E-00	4.38E-00	5.46E-01	9.23E-01	1.95E-01	1.21E-02	6.11E-04	4.83E-04	6.11E-04	6.12E-04	6.12E-04	1.40E-02	0.00E+00	0.00E+00	0.00E+00	1.18E-02
FR22E2	8.93E-01	2.33E-02	7.98E-00	2.42E-02	1.13E-03	0.00E+00	5.07E-03	5.37E-04	1.43E-01	1.32E-00	4.83E-01	2.96E-01	1.14E-00	1.88E-00	6.55E-01	4.05E-00	6.53E-01	4.96E-01	2.74E-00	2.02E-00	6.09E-04	1.48E-02	2.97E-00	4.38E-00	5.46E-01	9.23E-01	1.95E-01	1.21E-02	6.11E-04	4.83E-04	6.11E-04	6.12E-04	1.40E-02	0.00E+00	0.00E+00	0.00E+00	1.18E-02	
FR22G1	9.03E-01	2.72E-02	1.01E-01	2.82E-02	1.98E-03	0.00E+00	3.38E-03	6.29E-04	1.87E-01	1.77E-00	5.74E-01	3.12E-01	1.95E-00	2.12E-00	8.73E-01	6.61E-00	7.76E-01	6.16E-01	3.11E-00	2.86E-01	6.22E-04	1.80E-02	3.26E-00	5.61E-00	6.31E-01	1.32E-01	1.76E-01	1.98E-02	6.22E-04	5.10E-04	6.22E-04	6.37E-04	1.84E-02	0.00E+00	0.00E+00	0.00E+00	1.34E-02	
FR22H2	1.05E-01	3.91E-02	1.02E-01	3.11E-02	2.32E-03	0.00E+00	5.43E-03	6.82E-04	1.85E-01	1.93E-00	6.17E-01	2.64E-01	1.96E-00	2.16E-00	9.62E-01	7.84E-00	8.35E-01	3.174E-00	3.88E-01	3.21E-01	6.32E-04	3.02E-02	3.72E-00	6.11E-00	6.82E-01	1.63E-01	2.42E-01	1.79E-02	6.32E-04	4.35E-04	6.32E-04	6.37E-04	2.00E-02	0.00E+00	0.00E+00	0.00E+00	1.71E-02	
FR22S1	1.10E-00	2.47E-02	6.77E-00	2.54E-02	1.34E-03	0.00E+00	4.99E-03	5.22E-04	1.46E-01	1.56E-00	4.94E-01	2.42E-01	1.07E-00	1.81E-00	1.39E-02	4.86E-00	6.88E-01	4.96E-01	3.29E-00	2.32E-01	6.11E-04	2.45E-02	3.27E-00	5.02E-00	5.85E-01	1.14E-02	2.44E-01	1.22E-02	6.12E-04	4.07E-04	6.12E-04	6.14E-04	1.46E-02	0.00E+00	0.00E+00	0.00E+00	1.41E-02	
FR22S2	1.02E-01	2.61E-02	1.42E-00	2.68E-02	1.34E-03	0.00E+00	5.05E-03	7.45E-04	1.58E-01	1.88E-00	5.19E-01	2.42E-01	1.16E-00	1.91E-00	1.40E-02	4.86E-00	7.02E-01	5.54E-01	3.44E-00	2.37E-01	6.17E-04	2.45E-02	3.32E-00	5.26E-00	5.99E-01	1.16E-02	2.32E-01	1.31E-02	6.19E-04	4.08E-04	6.14E-04	6.16E-04	1.54E-02	0.00E+00	0.00E+00	0.00E+00	1.48E-02	
FR23E1	9.02E-01	3.02E-02	8.91E-00	3.11E-02	2.08E-03	0.00E+00	5.88E-03	7.59E-04	1.81E-01	1.93E-00	6.05E-01	2.92E-01	1.43E-00	2.33E-00	7.71E-01	7.08E-00	8.22E-01	6.41E-01	3.46E-00	2.72E-01	6.92E-04	1.98E-02	3.72E-00	6.02E-00	6.90E-01	1.33E-02	2.44E-01	1.53E-02	6.94E-04	4.89E-04	6.16E-04	6.16E-04	1.76E-02	0.00E+00	0.00E+00	0.00E+00	1.49E-02	
FR23E2	1.10E-01	3.15E-02	9.71E-00	3.26E-02	1.89E-03	0.00E+00	5.55E-03	6.55E-04	1.80E-01	2.02E-00	6.41E-01	3.28E-01	1.51E-00	2.43E-00	6.16E-01	6.17E-00	8.15E-01	6.48E-01	3.75E-00	2.58E-01	6.89E-04	1.78E-02	6.24E-00	6.73E-00	7.23E-01	1.24E-02	1.94E-01	1.64E-02	7.01E-04	4.89E-04	7.01E-04	7.02E-04	1.93E-02	0.00E+00	0.00E+00	0.00E+00	1.53E-02	
FR23G1	1.81E-00	3.43E-02	1.25E-01	3.52E-02	3.46E-03	0.00E+00	6.31E-03	8.96E-04	2.09E-01	2.21E-00	7.12E-01	3.28E-01	1.93E-00	2.62E-00	7.97E-01	1.13E-01	9.64E-01	6.87E-01	3.87E-00	3.72E-01	7.08E-04	2.47E-02	4.13E-00	6.87E-00	7.88E-01	1.87E-02	3.22E-01	2.08E-02	7.10E-04	5.35E-04	7.10E-04	7.13E-04	2.31E-02	0.00E+00	0.00E+00	0.00E+00	1.66E-02	
FR23G2	1.23E-01	3.61E-02	1.32E-01	3.74E-02	3.46E-03	0.00E+00	6.38E-03	9.12E-04	2.21E-01	2.34E-00	7.48E-01	3.26E-01	2.02E-00	2.73E-00	7.99E-01	1.15E-01	1.01E-01	7.16E-01	4.08E-00	3.76E-01	7.16E-04	2.49E-02	4.26E-00	7.20E-00	8.32E-01	1.89E-02	2.22E-01	2.18E-02	7.18E-04	5.35E-04	7.18E-04	7.21E-04	2.40E-02	0.00E+00	0.00E+00	0.00E+00	1.74E-02	
FR23H1	1.21E-01	3.48E-02	1.24E-01	3.61E-02	2.94E-03	0.00E+00	5.56E-03	7.36E-04	2.13E-01	2.26E-00	7.32E-01	2.92E-01	1.98E-00	2.54E-00	1.67E-02	9.86E-00	9.92E-01	6.70E-01	4.47E-00	3.52E-01	7.09E-04	3.27E-02	4.46E-00	7.01E-00	8.01E-01	1.80E-02	2.36E-01	2.10E-02	7.12E-04	4.78E-04	7.12E-04	7.14E-04	2.33E-02	0.00E+00	0.00E+00	0.00E+00	1.92E-02	
FR23H2	1.29E-01	3.74E-02	1.29E-01	3.84E-02	3.00E-03	0.00E+00	5.43E-03	8.04E-04	2.28E-01	2.38E-00	7.88E-01	3.26E-01	1.95E-00	2.70E-00	1.82E-02	1.16E-01	1.04E-01	7.20E-01	4.08E-00	4.05E-01	7.94E-04	3.27E-02	4.46E-00	7.01E-00	8.01E-01	1.80E-02	2.36E-01	2.10E-02	7.12E-04	4.78E-04	7.14E-04	7.14E-04	2.33E-02	0.00E+00	0.00E+00	0.00E+00	1.92E-02	
FR23S1	1.09E-01	3.02E-02	8.76E-00	3.14E-02	1.89E-03	0.00E+00	5.13E-03	6.18E-04	1.84E-01	1.95E-00	6.23E-01	2.42E-01	1.25E-00	2.24E-00	1.53E-02	6.10E-00	8.43E-01	6.45E-01	3.91E-00	2.56E-01	6.93E-04	2.64E-02	3.96E-00	6.09E-00	7.02E-01	1.28E-02	2.36E-01	1.54E-02	6.92E-04	4.14E-04	6.92E-04	6.97E-04	1.78E-02	0.00E+00	0.00E+00	0.00E+00	1.86E-02	
FR23S2	1.11E-01	3.21E-02	9.47E-00	3.31E-02	1.89E-03	0.00E+00	5.20E-03	6.32E-04	1.94E-01	2.09E-00	6.59E-01	2.44E-01	1.45E-00	2.32E-00	1.53E-02	6.11E-00	8.47E-01	6.31E-01	4.09E-00	2.61E-01	7.02E-04	2.69E-02	4.02E-00	6.32E-00	7.20E-01	1.33E-02	2.38E-01	1.60E-02	7.02E-04	4.15E-04	7.02E-04	7.02E-04	1.87E-02	0.00E+00	0.00E+00	0.00E+00	1.79E-02	
FR24E1	1.30E-01	3.80E-02	1.14E-01	3.92E-02	2.26E-03	0.00E+00	5.98E-03	8.45E-04	2.27E-01	2.42E-00	7.59E-01	3.34E-01	1.84E-00	3.33E-00	6.13E-01	7.88E-00	1.02E-00	3.86E-00	4.24E-00	3.12E-01	1.18E-00	2.11E-02	4.64E-00	7.42E-00	8.87E-01	1.55E-02	2.53E-01	1.50E-02	1.19E-00	5.51E-04	1.19E-00	1.19E-00	2.18E-					

Manufacturing A1 - A3	FWB41S	1.47E+01	4.18E+01	1.12E+02	4.29E+02	1.64E+03	6.00E+03	2.79E+03	1.53E+04	2.45E+02	2.85E+01	6.23E+02	1.14E+01	1.87E+01	6.00E+01	4.72E+01	1.51E+02	1.11E+01	1.13E+02	3.41E+01	4.27E+02	1.13E+04	9.07E+01	1.48E+02	7.88E+01	3.43E+02	1.60E+03	6.28E+02	1.96E+01	1.14E+04	1.52E+02	1.14E+04	1.15E+04	2.59E+01	0.00E+00	0.00E+00	3.52E+02	1.46E+01
	FWB42D1	9.93E+02	3.27E+01	1.47E+02	3.59E+01	1.14E+04	0.00E+00	1.13E+02	5.84E+02	1.94E+02	2.07E+01	8.26E+02	7.97E+01	2.02E+01	2.79E+01	2.51E+01	1.63E+02	8.46E+02	1.41E+03	2.48E+01	3.72E+02	2.09E+04	2.71E+01	2.47E+02	5.34E+02	7.40E+02	1.56E+03	2.81E+02	2.27E+02	2.09E+04	1.39E+02	2.06E+04	2.07E+04	2.55E+01	0.00E+00	0.00E+00	0.00E+00	1.07E+01
	FWB42K1	2.77E+01	6.37E+01	1.55E+02	6.53E+01	6.99E+04	0.00E+00	3.42E+03	2.15E+04	3.75E+02	4.04E+01	1.18E+01	1.22E+01	2.81E+01	8.70E+01	5.58E+01	3.67E+02	1.80E+01	3.76E+02	5.60E+01	6.72E+02	2.18E+04	1.38E+02	2.80E+02	1.15E+02	1.44E+01	2.80E+03	9.73E+02	2.02E+01	2.20E+04	2.40E+02	2.20E+04	2.20E+04	3.80E+01	0.00E+00	0.00E+00	3.52E+02	2.41E+01
	FWB42K5	1.79E+01	6.90E+01	1.96E+02	5.96E+01	6.99E+04	0.00E+00	2.73E+03	1.69E+04	3.30E+02	3.76E+01	1.16E+01	5.93E+02	2.74E+01	7.34E+01	4.08E+01	3.57E+02	1.57E+01	1.81E+02	4.37E+01	6.90E+02	2.17E+04	1.34E+02	2.72E+02	9.50E+02	1.28E+01	2.83E+03	8.74E+02	2.80E+01	2.18E+04	1.39E+02	2.18E+04	2.20E+04	3.68E+01	0.00E+00	0.00E+00	3.52E+02	1.86E+01
	FWB42M2	1.99E+01	6.11E+01	1.65E+02	6.27E+01	1.85E+04	0.00E+00	3.45E+03	2.15E+04	3.75E+02	4.04E+01	1.18E+01	1.22E+01	2.81E+01	8.70E+01	5.58E+01	3.67E+02	1.80E+01	3.76E+02	5.60E+01	6.72E+02	2.18E+04	1.38E+02	2.80E+02	1.15E+02	1.44E+01	2.80E+03	9.73E+02	2.02E+01	2.20E+04	2.40E+02	2.20E+04	2.20E+04	3.80E+01	0.00E+00	0.00E+00	3.52E+02	2.41E+01
	FWB42P2	1.87E+01	5.28E+01	1.55E+02	5.44E+01	1.84E+04	0.00E+00	1.81E+03	1.43E+04	3.05E+02	3.26E+01	1.05E+01	6.21E+02	2.80E+01	5.93E+01	3.85E+01	2.01E+02	1.42E+01	1.85E+02	3.92E+01	5.15E+02	2.15E+04	1.85E+02	2.65E+02	8.88E+01	1.17E+01	1.22E+01	6.10E+02	2.70E+01	2.18E+04	1.82E+02	2.18E+04	2.18E+04	3.31E+01	0.00E+00	0.00E+00	3.52E+02	1.75E+01
	FWB42S	2.17E+01	6.19E+01	1.62E+02	6.36E+01	1.85E+04	0.00E+00	3.06E+03	2.56E+04	3.80E+02	3.97E+01	1.22E+01	2.25E+02	2.81E+01	1.04E+02	7.58E+01	2.27E+02	1.84E+01	1.85E+02	4.56E+01	6.91E+02	2.19E+04	1.43E+02	2.81E+02	1.19E+02	1.33E+01	2.36E+03	7.96E+02	2.86E+01	2.20E+04	1.84E+02	2.25E+04	2.21E+04	3.85E+01	0.00E+00	0.00E+00	7.03E+02	1.95E+01
	FWB43S	3.47E+01	9.34E+01	2.73E+02	9.56E+01	2.05E+04	0.00E+00	7.44E+03	4.95E+04	6.52E+02	5.95E+01	1.81E+01	3.36E+02	3.95E+01	1.52E+02	1.06E+02	3.38E+02	2.45E+01	2.30E+02	7.26E+01	8.80E+02	2.30E+04	2.86E+02	4.22E+02	1.81E+02	2.10E+01	3.36E+03	1.20E+01	3.97E+01	3.27E+04	2.72E+02	3.27E+04	4.38E+01	0.00E+00	0.00E+00	1.06E+01	3.12E+01	
	FWB44S	4.11E+01	1.17E+02	2.25E+04	4.77E+02	6.00E+03	0.00E+00	4.77E+04	3.75E+04	5.75E+02	5.95E+01	2.35E+01	4.46E+02	4.97E+01	2.01E+02	1.34E+02	3.86E+02	3.04E+01	3.86E+02	9.26E+01	9.84E+02	4.32E+04	2.65E+02	4.22E+02	1.81E+02	2.10E+01	3.36E+03	1.20E+01	3.97E+01	3.27E+04	2.72E+02	3.27E+04	4.38E+01	0.00E+00	0.00E+00	1.06E+01	3.12E+01	
	FWB51D1	7.95E+02	2.80E+01	1.20E+02	2.72E+01	1.14E+04	0.00E+00	8.91E+01	5.86E+02	1.55E+02	1.66E+01	5.80E+02	4.88E+01	1.87E+02	2.08E+01	2.21E+01	1.24E+02	7.85E+02	6.15E+01	1.34E+01	3.31E+04	1.07E+04	8.43E+01	4.28E+01	1.92E+02	3.50E+02	1.60E+01	1.89E+01	1.08E+04	1.95E+02	4.38E+04	1.08E+04	1.08E+04	2.17E+01	0.00E+00	0.00E+00	0.00E+00	8.33E+00
	FWB51S	1.51E+01	4.49E+01	1.29E+02	4.82E+01	1.64E+04	0.00E+00	2.79E+03	1.87E+04	2.59E+02	2.79E+01	9.44E+02	1.16E+01	2.13E+01	4.43E+01	4.95E+01	1.87E+02	1.28E+01	8.52E+01	3.29E+01	4.97E+02	1.18E+04	1.00E+02	1.54E+02	8.99E+01	9.99E+01	1.78E+03	6.27E+02	2.28E+01	1.17E+04	1.97E+02	1.17E+04	1.17E+04	2.89E+01	0.00E+00	0.00E+00	3.52E+02	1.41E+01
	FWB51T1S	1.28E+01	3.65E+01	1.25E+02	3.76E+01	1.35E+04	0.00E+00	2.59E+03	1.57E+04	2.18E+02	2.32E+01	7.74E+02	1.14E+01	1.95E+01	5.70E+01	4.69E+01	1.49E+02	1.05E+01	7.54E+01	2.76E+01	4.09E+02	1.11E+04	9.77E+01	1.50E+02	8.68E+01	8.28E+02	1.53E+03	4.70E+02	2.09E+01	1.12E+04	1.97E+02	1.12E+04	1.12E+04	2.56E+01	0.00E+00	0.00E+00	3.52E+02	1.18E+01
	FWB52D1	2.63E+01	3.66E+01	1.72E+02	3.75E+01	1.14E+04	0.00E+00	1.23E+03	7.33E+02	2.15E+02	2.26E+01	7.62E+02	8.24E+01	2.35E+01	2.97E+01	2.66E+01	1.83E+02	1.07E+01	9.49E+01	2.77E+01	4.26E+02	2.07E+04	9.65E+01	2.32E+02	5.86E+02	8.16E+02	1.82E+03	2.44E+02	2.70E+01	2.07E+04	2.48E+02	2.07E+04	2.98E+01	0.00E+00	0.00E+00	0.00E+00	1.19E+01	
	FWB52K1	1.93E+01	7.95E+01	1.96E+02	8.12E+01	9.67E+04	0.00E+00	3.46E+03	2.15E+04	3.75E+02	4.04E+01	1.18E+01	1.22E+01	2.81E+01	8.70E+01	5.58E+01	3.67E+02	1.80E+01	3.76E+02	5.60E+01	6.72E+02	2.18E+04	1.38E+02	2.80E+02	1.15E+02	1.44E+01	2.80E+03	9.73E+02	2.02E+01	2.20E+04	2.40E+02	2.20E+04	2.20E+04	3.80E+01	0.00E+00	0.00E+00	3.52E+02	2.41E+01
	FWB52K5	2.22E+01	7.37E+01	1.83E+02	7.55E+01	9.67E+04	0.00E+00	2.79E+03	1.52E+04	4.12E+02	4.42E+01	1.44E+01	5.98E+02	3.29E+01	8.72E+01	4.93E+01	4.44E+02	1.95E+01	2.24E+02	5.55E+01	7.88E+02	2.29E+04	1.55E+02	2.81E+02	1.17E+02	1.80E+01	3.39E+03	9.86E+02	3.92E+01	2.29E+04	3.17E+02	2.25E+04	2.27E+04	4.34E+01	0.00E+00	0.00E+00	3.52E+02	2.36E+01
	FWB52M2	2.43E+01	7.87E+01	1.92E+02	7.87E+01	1.85E+04	0.00E+00	3.38E+03	2.25E+04	4.29E+02	4.62E+01	1.50E+01	1.27E+01	3.18E+01	9.75E+01	5.54E+01	2.45E+02	2.03E+01	2.27E+02	5.32E+01	7.09E+02	2.29E+04	1.66E+02	2.83E+02	1.28E+02	1.66E+01	3.06E+03	9.95E+02	3.41E+01	2.27E+04	2.42E+02	2.27E+04	2.28E+04	4.40E+01	0.00E+00	0.00E+00	7.03E+02	2.25E+01
	FWB52N	2.45E+01	8.18E+01	1.96E+02	8.37E+01	1.97E+04	0.00E+00	4.49E+03	2.23E+04	4.54E+02	4.91E+01	1.55E+01	5.12E+02	3.18E+01	7.84E+01	2.86E+01	2.23E+02	2.10E+01	2.34E+02	5.53E+01	7.18E+02	2.31E+04	1.60E+02	2.75E+02	1.28E+02	1.76E+01	3.21E+03	1.19E+01	3.45E+01	2.32E+04	2.41E+02	2.32E+04	2.32E+04	4.69E+01	0.00E+00	0.00E+00	2.21E+02	2.37E+01
	FWB52N3	2.45E+01	8.18E+01	1.96E+02	8.37E+01	1.97E+04	0.00E+00	4.49E+03	2.23E+04	4.54E+02	4.91E+01	1.55E+01	5.12E+02	3.22E+01	7.84E+01	2.86E+01	2.23E+02	2.10E+01	2.34E+02	5.53E+01	7.18E+02	2.31E+04	1.60E+02	2.75E+02	1.28E+02	1.76E+01	3.21E+03	1.19E+01	3.45E+01	2.32E+04	2.41E+02	2.32E+04	2.32E+04	4.69E+01	0.00E+00	0.00E+00	2.21E+02	2.37E+01
	FWB52P2	2.05E+01	6.89E+01	1.88E+02	6.87E+01	1.84E+04	0.00E+00	1.83E+03	1.81E+04	3.77E+02	4.04E+01	1.31E+01	6.25E+02	3.04E+01	7.64E+01	4.07E+01	2.11E+02	1.77E+01	2.15E+02	5.01E+01	5.87E+02	2.22E+04	1.33E+02	2.72E+02	1.08E+02	1.46E+01	2.35E+03	6.06E+02	3.21E+01	2.24E+04	2.41E+02	2.24E+04	2.24E+04	3.82E+01	0.00E+00	0.00E+00	3.52E+02	2.15E+01
	FWB53K1	5.05E+01	1.14E+02	4.24E+02	1.16E+02	9.97E+04	0.00E+00	6.86E+03	3.81E+04	6.85E+02	7.18E+01	1.98E+01	2.36E+02	4.45E+01	1.57E+02	8.89E+01	5.45E+02	2.68E+01	4.54E+02	1.03E+02	1.06E+02	3.39E+04	2.21E+02	4.36E+02	2.97E+02	2.37E+01	4.24E+03	1.58E+01	4.47E+01	3.39E+04	3.64E+02	3.39E+04	3.39E+04	6.06E+01	0.00E+00	0.00E+00	7.03E+02	4.45E+01
	FWB53N	3.83E+01	1.23E+02	2.55E+02	1.22E+02	1.70E+04	0.00E+00	1.04E+04	3.89E+04	6.86E+02	7.24E+01	2.14E+01	7.89E+01	4.95E+01	1.20E+02	3.06E+02	3.08E+02	2.89E+01	4.25E+02	8.16E+01	9.32E+02	3.46E+04	2.33E+02	4.10E+02	1.93E+02	2.97E+01	4.44E+01	4.63E+01	3.44E+04	2.87E+02	3.48E+04	3.48E+04	6.82E+01	0.00E+00	0.00E+00	4.42E+02	3.51E+01	
	FWB53N3	3.83E+01	1.23E+02	2.55E+02	1.22E+02	1.70E+04	0.00E+00	1.04E+04	3.89E+04	6.86E+02	7.24E+01	2.14E+01	7.89E+01	4.95E+01	1.20E+02	3.06E+02	3.08E+02	2.89E+01	4.25E+02	8.16E+01	9.32E+02	3.46E+04	2.33E+02	4.10E+02	1.93E+02	2.97E+01	4.44E+01	4.63E+01	3.44E+04	2.87E+02	3.48E+04	3.48E+04	6.82E+01	0.00E+00	0.00E+00	4.42E+02	3.51E+01	
	FWB53S	3.83E+01	1.23E+02	2.55E+02	1.22E+02	1.70E+04	0.00E+00	1.04E+04	3.89E+04	6.86E+02	7.24E+01	2.14E+01	7.89E+01	4.95E+01	1.20E+02	3.06E+02	3.08E+02	2.89E+01	4.25E+02	8.16E+01	9.32E+02	3.46E+04	2.33E+02	4.10E+02	1.93E+02	2.97E+01	4.44E+01	4.63E+01	3.44E+04	2.87E+02	3.48E+04	3.48E+04	6.82E+01	0.00E+00	0.00E+00	4.42E+02	3.51E+01	
	FWB54S	4.87E+01	1.40E+02	3.14E+02	1.48E+02	2.25E+04	0.00E+00	9.74E+03	5.17E+04	8.02E+02	8.63E+01	2.95E+01	4.59E+01	5.50E+01	2.24E+02	1.38E+02	3.97E+02	3.45E+01	3.96E+02	1.11E+04	1.94E+03	4.46E+04	2.79E+02	5.59E+02	2.96E+02	3.12E+01	4.24E+02	1.22E+01	5.02E+01	4.41E+04	3.39E+02	4.48E+04	4.50E+04	6.82E+01	0.00E+00	0.00E+00	1.41E+01	4.79E+01
	FWB61D	1.23E+01	4.02E+01	1.41E+02	4.16E+01	1.44E+04	0.00E+00	3.99E+02	7.29E+02	2.33E+02	2.50E+01	8.23E+02	5.26E+01	2.04E+01	3.16E+01	2.38E+01	1.44E+02	1.11E+01	1.20E+02	3.12E+01	4.16E+02	1.14E+04	1.87E+01	1.42E+02	6.49E+01	9.00E+02	1.70E+03	4.14E+02	2.32E+01	1.15E+04	2.49E+02	1.15E+04	1.15E+04	2.73E+01	0.00E+00	0.00E+00	0.00E+00	1.34E+01

FWU42K1	4.38E-01	1.03E-02	2.71E-04	1.08E-02	8.51E-04	0.00E+00	3.47E-03	2.49E-04	8.02E-02	7.31E-01	1.27E-01	1.10E-02	5.02E-07	9.37E-07	6.02E-01	3.18E-04	1.71E-01	4.99E-06	8.79E-01	2.05E-01	3.11E-03	1.13E-02	3.54E-08	4.39E-08	2.46E-01	5.99E-03	1.02E-01	4.40E-01	3.22E-03	2.81E-02	3.22E-03	3.37E-03	5.42E-01	0.00E+00	0.00E+00	3.52E-02	3.78E-01	
FWU42K2	4.13E-01	9.80E-01	2.71E-04	1.01E-02	8.51E-04	0.00E+00	3.42E-03	2.49E-04	8.46E-02	8.91E-01	1.25E-01	1.10E-02	5.09E-07	9.30E-07	6.01E-01	3.18E-04	1.70E-01	4.45E-06	7.80E-01	2.02E-01	2.99E-03	1.12E-02	3.50E-08	4.20E-08	2.32E-01	5.93E-03	1.03E-01	4.30E-01	3.11E-03	2.81E-02	3.12E-03	3.16E-03	5.35E-01	0.00E+00	0.00E+00	3.52E-02	3.35E-01	
FWU42K3	4.16E-01	1.07E-02	2.58E-04	1.16E-02	1.08E-03	0.00E+00	3.48E-03	2.70E-04	7.03E-02	7.54E-01	1.32E-01	1.10E-02	5.07E-07	9.56E-07	6.39E-01	6.01E-04	1.79E-01	4.80E-06	1.06E-02	2.33E-01	3.18E-03	1.36E-02	3.67E-08	4.47E-08	2.53E-01	7.08E-03	1.06E-01	4.46E-01	3.29E-03	2.81E-02	3.28E-03	3.36E-03	6.11E-01	0.00E+00	0.00E+00	3.52E-02	4.86E-01	
FWU42L	1.89E-01	4.93E-01	2.62E-05	5.20E-01	2.98E-04	0.00E+00	1.19E-03	8.42E-05	3.10E-02	3.70E-01	6.70E-02	2.60E-01	1.11E-02	2.06E-07	2.06E-07	1.23E-04	1.16E-02	3.76E-05	4.21E-01	4.88E-03	1.79E-03	8.26E-01	3.40E-07	8.32E-07	1.15E-01	2.50E-06	7.71E-01	4.05E-01	1.18E-03	2.27E-02	1.86E-03	3.16E-03	4.00E-01	0.00E+00	0.00E+00	3.00E-04	1.81E-01	
FWU42M2	4.20E-01	1.00E-02	2.76E-04	1.05E-02	3.38E-04	0.00E+00	3.48E-03	2.88E-04	6.53E-02	7.01E-01	1.10E-01	1.11E-02	4.72E-07	9.22E-07	6.57E-01	1.83E-04	1.74E-01	4.74E-06	7.06E-01	2.00E-01	3.08E-03	1.35E-02	3.47E-08	4.20E-08	2.36E-01	5.93E-03	1.04E-01	4.44E-01	3.18E-03	2.82E-02	3.28E-03	3.34E-03	5.44E-01	0.00E+00	0.00E+00	7.03E-02	3.28E-01	
FWU42S1	4.20E-01	9.89E-01	2.77E-04	1.03E-02	3.07E-04	0.00E+00	3.25E-03	2.82E-04	6.56E-02	7.02E-01	1.28E-01	1.08E-02	4.87E-07	9.02E-07	6.20E-01	1.83E-04	1.74E-01	4.49E-06	7.71E-01	1.95E-01	3.19E-03	1.36E-02	3.47E-08	4.20E-08	2.36E-01	5.93E-03	1.04E-01	4.42E-01	3.22E-03	2.42E-02	3.28E-03	3.28E-03	5.19E-01	0.00E+00	0.00E+00	7.03E-02	3.31E-01	
FWU43K	5.59E-01	1.23E-02	3.23E-04	1.26E-02	8.42E-04	0.00E+00	3.88E-03	3.30E-04	8.29E-02	8.82E-01	1.77E-01	1.36E-02	6.10E-07	1.04E-06	8.83E-01	3.38E-04	2.40E-01	3.52E-06	9.71E-01	2.71E-01	3.42E-03	1.59E-02	4.27E-08	5.31E-08	2.92E-01	8.69E-03	1.27E-01	5.37E-01	3.93E-03	3.40E-02	3.58E-03	3.88E-03	6.93E-01	0.00E+00	0.00E+00	7.03E-02	4.17E-01	
FWU43S	8.79E-01	1.23E-02	3.27E-04	1.31E-02	3.57E-04	0.00E+00	7.45E-03	4.41E-04	8.02E-02	9.21E-01	1.85E-01	1.52E-02	6.08E-07	1.47E-06	1.21E-02	2.25E-04	2.50E-01	3.59E-06	1.01E-02	2.82E-01	3.42E-03	1.71E-02	4.27E-08	5.31E-08	2.92E-01	8.69E-03	1.27E-01	5.47E-01	3.93E-03	3.40E-02	3.58E-03	3.88E-03	6.93E-01	0.00E+00	0.00E+00	7.03E-02	4.19E-01	
FWU51L	8.40E-02	3.23E-01	3.61E-04	6.18E-01	3.18E-04	0.00E+00	2.83E-03	2.08E-04	4.12E-02	4.38E-01	1.02E-01	1.01E-02	4.20E-07	6.51E-07	8.33E-01	1.59E-04	1.38E-01	9.30E-01	5.16E-01	1.53E-01	1.98E-03	8.48E-01	3.16E-08	3.39E-08	1.45E-01	4.99E-03	5.46E-01	4.10E-01	1.84E-03	2.54E-02	1.89E-03	4.69E-01	0.00E+00	0.00E+00	3.52E-02	2.22E-01		
FWU51S1	2.71E-01	5.92E-01	2.84E-04	6.18E-01	3.18E-04	0.00E+00	2.83E-03	2.08E-04	4.12E-02	4.38E-01	1.02E-01	1.01E-02	4.20E-07	6.51E-07	8.33E-01	1.59E-04	1.38E-01	9.30E-01	5.16E-01	1.53E-01	1.98E-03	8.48E-01	3.16E-08	3.39E-08	1.45E-01	4.99E-03	5.46E-01	4.10E-01	1.84E-03	2.54E-02	1.89E-03	4.69E-01	0.00E+00	0.00E+00	3.52E-02	2.22E-01		
FWU51K	2.60E-01	5.84E-01	2.80E-04	6.16E-01	2.98E-04	0.00E+00	2.80E-03	1.79E-04	4.06E-02	4.32E-01	1.01E-01	9.54E-01	4.12E-07	6.36E-07	8.03E-01	1.48E-04	1.37E-01	9.26E-01	5.04E-01	1.51E-01	1.54E-03	8.36E-01	3.17E-08	3.30E-08	1.43E-01	4.90E-03	5.07E-01	4.08E-01	1.82E-03	2.53E-02	1.82E-03	4.67E-01	0.00E+00	0.00E+00	3.52E-02	2.16E-01		
FWU52K	4.13E-01	1.08E-02	3.47E-04	1.04E-02	1.13E-03	0.00E+00	2.48E-03	2.51E-04	8.83E-02	7.26E-01	1.53E-01	1.16E-02	5.93E-07	8.84E-07	6.83E-01	4.04E-04	2.07E-01	2.72E-06	8.26E-01	2.45E-01	2.87E-03	1.32E-02	3.95E-08	4.82E-08	2.41E-01	8.09E-03	9.21E-01	5.58E-01	3.00E-03	3.81E-02	3.00E-03	3.06E-03	6.50E-01	0.00E+00	0.00E+00	3.52E-02	3.54E-01	
FWU52K1	4.73E-01	1.07E-02	3.48E-04	1.10E-02	1.18E-03	0.00E+00	3.31E-03	2.80E-04	7.31E-02	7.80E-01	1.58E-01	1.22E-02	6.02E-07	8.81E-07	7.14E-01	4.17E-04	2.09E-01	3.31E-06	8.88E-01	2.47E-01	2.99E-03	1.34E-02	4.02E-08	4.82E-08	2.41E-01	8.09E-03	9.21E-01	5.61E-01	3.00E-03	3.82E-02	3.08E-03	3.16E-03	6.72E-01	0.00E+00	0.00E+00	3.52E-02	4.16E-01	
FWU52K2	4.41E-01	1.01E-02	3.47E-04	1.05E-02	1.16E-03	0.00E+00	3.45E-03	2.78E-04	8.99E-02	7.34E-01	1.54E-01	1.22E-02	6.01E-07	8.17E-07	7.13E-01	4.17E-04	2.08E-01	2.73E-06	8.37E-01	2.47E-01	2.99E-03	1.33E-02	4.00E-08	4.80E-08	2.43E-01	8.07E-03	9.58E-01	5.60E-01	3.02E-03	3.82E-02	3.05E-03	3.09E-03	6.93E-01	0.00E+00	0.00E+00	3.52E-02	3.26E-01	
FWU52K3	4.41E-01	9.72E-01	3.35E-04	1.01E-02	1.79E-03	0.00E+00	3.50E-03	2.80E-04	8.79E-02	7.24E-01	1.47E-01	1.22E-02	5.99E-07	8.83E-07	8.29E-01	5.92E-04	1.99E-01	2.33E-06	9.88E-01	2.30E-01	2.42E-03	1.48E-02	4.10E-08	4.71E-08	2.37E-01	7.62E-03	1.48E-01	5.52E-01	2.97E-03	3.82E-02	2.97E-03	2.94E-02	7.00E-01	0.00E+00	0.00E+00	3.52E-02	4.16E-01	
FWU52L	1.24E-01	3.50E-01	3.24E-04	3.82E-01	2.98E-04	0.00E+00	1.23E-02	1.00E-04	2.42E-02	2.52E-01	7.00E-02	3.02E-01	4.24E-07	1.02E-07	4.12E-01	1.01E-04	1.07E-01	9.08E-01	3.57E-01	5.32E-01	5.99E-02	7.03E-01	4.10E-07	6.31E-07	8.60E-02	2.73E-03	3.26E-02	4.08E-01	1.07E-03	1.31E-02	1.12E-03	1.46E-01	0.00E+00	0.00E+00	0.00E+00	1.54E-01		
FWU52M2	4.48E-01	1.03E-02	3.37E-04	1.07E-02	3.36E-04	0.00E+00	4.03E-03	3.19E-04	6.99E-02	7.42E-01	1.58E-01	1.22E-02	5.91E-07	9.32E-07	7.01E-01	2.01E-04	2.14E-01	2.75E-06	8.46E-01	2.36E-01	2.79E-03	1.45E-02	4.07E-08	4.72E-08	2.46E-01	8.61E-03	9.92E-01	6.84E-01	3.11E-03	3.33E-02	3.10E-03	3.17E-03	6.99E-01	0.00E+00	0.00E+00	7.03E-02	3.46E-01	
FWU52S	4.68E-01	1.04E-02	3.37E-04	1.08E-02	3.37E-04	0.00E+00	4.03E-03	3.47E-04	7.11E-02	7.58E-01	1.58E-01	1.22E-02	6.02E-07	9.13E-07	7.00E-01	2.00E-04	2.14E-01	2.75E-06	8.46E-01	2.34E-01	2.97E-03	1.45E-02	4.08E-08	4.83E-08	2.52E-01	8.17E-03	9.96E-01	6.81E-01	3.12E-03	3.33E-02	3.17E-03	3.27E-03	3.27E-03	6.93E-01	0.00E+00	0.00E+00	7.03E-02	3.49E-01
FWU52S1	4.49E-01	1.03E-02	3.38E-04	1.07E-02	3.37E-04	0.00E+00	4.03E-03	3.34E-04	6.99E-02	7.44E-01	1.56E-01	1.22E-02	5.97E-07	9.03E-07	6.83E-01	1.81E-04	2.11E-01	2.77E-06	8.24E-01	2.31E-01	3.02E-03	1.36E-02	3.95E-08	4.71E-08	2.47E-01	8.05E-03	9.64E-01	6.82E-01	3.16E-03	3.33E-02	3.16E-03	3.22E-03	6.29E-01	0.00E+00	0.00E+00	7.03E-02	3.54E-01	
FWU53D	3.91E-01	1.01E-02	4.12E-04	1.05E-02	2.98E-04	0.00E+00	4.30E-02	1.95E-04	8.02E-02	8.43E-01	1.72E-01	1.32E-02	5.73E-07	8.17E-07	5.18E-01	1.73E-04	2.33E-01	4.38E-06	8.54E-01	1.34E-01	3.89E-03	9.90E-01	4.52E-08	4.83E-08	2.30E-01	7.72E-03	5.34E-01	6.38E-01	3.78E-03	4.11E-02	3.78E-03	3.83E-03	6.91E-01	0.00E+00	0.00E+00	0.00E+00	3.87E-01	
FWU53K	5.96E-01	1.91E-02	4.14E-04	1.55E-02	1.19E-03	0.00E+00	3.91E-03	3.84E-04	1.01E-01	1.07E-01	2.15E-01	1.43E-02	7.40E-07	1.20E-06	7.45E-01	4.41E-04	2.91E-01	8.82E-06	1.18E-02	3.28E-01	4.49E-03	1.88E-02	4.79E-08	6.13E-08	3.97E-01	8.13E-03	1.24E-01	6.81E-01	3.97E-03	4.82E-02	4.87E-03	4.79E-03	6.90E-01	0.00E+00	0.00E+00	7.03E-02	5.00E-01	
FWU53L	1.86E-01	5.91E-01	2.74E-04	6.18E-01	2.98E-04	0.00E+00	2.80E-03	1.79E-04	4.12E-02	4.38E-01	1.02E-01	1.01E-02	4.20E-07	6.51E-07	8.33E-01	1.59E-04	1.38E-01	9.30E-01	5.16E-01	1.53E-01	1.98E-03	8.48E-01	3.16E-08	3.39E-08	1.45E-01	4.99E-03	5.46E-01	4.10E-01	1.84E-03	2.54E-02	1.89E-03	4.69E-01	0.00E+00	0.00E+00	3.52E-02	2.22E-01		
FWU61L	9.81E-02	2.88E-01	3.92E-04	2.98E-04	0.00E+00	1.08E-02	7.77E-05	1.91E-02	1.98E-01	6.69E-02	2.59E-01	3.82E-07	1.46E-07	4.05E-01	1.23E-04	9.08E-02	3.42E-01	3.03E-01	4.89E-04	7.09E-02	8.41E-01	3.58E-07	5.19E-07	1.91E-06	3.97E-06	1.50E-01	3.05E-01	5.60E-01	1.92E-03	3.00E-02	1.47E-03	4.95E-01	0.00E+00	0.00E+00	0.00E+00	1.39E-01		
FWU61S	3.17E-01	6.98E-01	2.88E-04	7.27E-01	3.16E-04	0.00E+00	2.80E-03	2.29E-04	4.84E-02	5.16E-01	1.17E-01	1.14E-02	4.81E-07	7.14E-07	6.05E-01	1.68E-04	1.58E-01	1.16E-06	8.16E-01	1.77E-01	1.83E-03	9.78E-01	3.82E-08	3.87E-08	1.71E-01	5.45E-03	5.81E-01	4.68E-01	1.32E-03	2.23E-02	1.93E-03	1.98E-03	5.09E-01	0.00E+00	0.00E+00	3.52E-02	2.84E-01	
FWU62K	5.98E-01	1.19E-02	3.37E-04	1.22E-02	1.41E-03	0.00E+00	2.51E-03	2.75E-04	8.02E-02	8.58E-01	1.77E-01	1.26E-02	6.11E-07	8.99E-07	6.33E-01	4.97E-04	2.39E-01	3.29E-06	9.80E-01	2.36E-01	3.33E-03	1.54E-02	4.43E-08	5.30E-08	2.83E-01	7.72E-03	1.24E-01	5.64E-01	3.49E-03	4.81E-02	3.48E-03	3.58E-03	6.88E-01	0.00E+00	0.00E+00	3.52E-02	4.21E-01	

UC21ST0	1.87E-02	4.91E-00	3.80E-01	5.29E-00	0.00E+00	0.00E+00	1.85E-03	4.98E-02	3.35E-03	3.83E-02	9.63E-03	8.62E-02	5.37E-04	3.62E-08	5.99E-00	8.37E-02	1.30E-02	1.26E-01	2.64E-02	7.09E-01	2.19E-02	2.00E-01	6.24E-08	1.03E-01	1.14E-02	3.55E-04	1.61E-00	5.27E-08	2.33E-02	2.31E-05	2.35E-02	2.42E-08	6.87E-00	0.00E+00	0.00E+00	0.00E+00	1.13E-00
UC21TR2	2.09E-02	5.50E-00	3.37E-01	5.63E-00	0.00E+00	0.00E+00	1.86E-03	4.61E-08	3.88E-03	3.90E-02	8.80E-03	2.10E-01	5.33E-08	4.43E-08	5.99E-00	5.15E-02	1.19E-02	1.50E-01	5.70E-02	4.97E-08	1.49E-02	1.86E-01	6.65E-08	1.59E-01	1.26E-02	4.63E-04	1.89E-00	4.71E-08	1.65E-02	4.83E-05	1.65E-02	1.71E-02	6.93E-00	0.00E+00	0.00E+00	0.00E+00	2.45E-00
UC22BA	3.27E-02	3.12E-00	3.99E-01	3.52E-00	0.00E+00	0.00E+00	1.85E-03	5.94E-02	2.48E-03	2.61E-02	8.08E-03	7.02E-02	5.95E-04	2.04E-08	5.00E-00	6.05E-02	1.09E-02	8.40E-03	1.01E-02	4.82E-01	4.43E-01	8.00E-01	6.31E-08	7.11E-08	7.56E-03	1.90E-04	4.54E-01	5.40E-08	7.23E-01	5.94E-07	7.23E-01	7.02E-02	5.91E-00	0.00E+00	0.00E+00	0.00E+00	3.62E-01
UC22PEN	1.27E-02	6.53E-00	4.11E-01	6.94E-00	0.00E+00	0.00E+00	1.22E-04	1.83E-04	4.19E-03	5.29E-02	1.16E-02	1.26E-01	1.21E-07	1.05E-07	6.10E-00	9.10E-02	1.36E-02	1.54E-02	6.81E-01	9.40E-01	4.26E-01	1.29E-07	1.39E-07	1.41E-02	5.27E-04	2.99E-00	5.81E-08	1.34E-02	1.39E-05	1.34E-02	1.37E-02	4.80E-00	0.00E+00	0.00E+00	0.00E+00	6.61E-01	
UC22RK	2.34E-02	6.25E-00	4.64E-01	6.74E-00	0.00E+00	0.00E+00	1.45E-03	5.83E-02	4.92E-03	5.29E-02	1.73E-02	1.73E-02	6.79E-05	6.32E-08	6.10E-00	1.26E-01	1.60E-02	3.99E-02	1.13E-02	2.81E-02	2.81E-02	4.76E-01	6.91E-08	1.30E-07	1.41E-02	5.27E-04	1.63E-00	6.72E-08	3.00E-02	1.39E-05	1.37E-02	4.80E-00	0.00E+00	0.00E+00	0.00E+00	1.61E-01	
UC31LE3	3.54E-02	9.40E-00	6.42E-01	9.94E-00	0.00E+00	0.00E+00	1.87E-03	6.87E-08	6.33E-03	6.99E-02	2.08E-02	4.05E-01	8.24E-08	6.31E-08	6.69E-00	2.91E-01	2.81E-02	2.64E-01	9.98E-02	9.28E-08	1.57E-02	4.00E-01	1.59E-07	2.81E-07	2.22E-01	1.03E-03	5.64E-00	8.05E-08	1.97E-02	1.72E-02	3.09E-02	2.71E-02	1.37E-01	0.00E+00	0.00E+00	0.00E+00	4.11E-00
UC32RK	2.84E-02	7.45E-00	4.97E-01	8.16E-00	0.00E+00	0.00E+00	1.86E-03	7.95E-08	5.23E-03	5.52E-02	1.68E-02	1.59E-01	9.99E-08	4.45E-08	6.20E-00	1.66E-01	2.94E-02	1.94E-01	3.47E-02	1.46E-08	2.99E-02	3.90E-01	9.36E-08	1.97E-07	1.73E-03	6.93E-04	9.76E-01	9.97E-08	3.37E-02	3.02E-05	3.37E-02	3.48E-02	1.08E-01	0.00E+00	0.00E+00	0.00E+00	1.45E-00
UC34BA	3.87E-02	1.03E-01	6.69E-01	1.13E-01	0.00E+00	0.00E+00	1.89E-03	8.07E-08	8.20E-03	8.75E-02	2.66E-02	2.41E-01	1.41E-07	6.54E-08	7.62E-00	1.28E-00	3.97E-02	3.33E-02	6.89E-02	3.13E-02	1.19E-02	4.14E-01	2.92E-08	6.07E-08	7.13E-03	9.56E-05	5.20E-01	2.54E-08	1.28E-02	2.89E-00	2.26E-02	2.76E-02	1.73E-01	0.00E+00	0.00E+00	0.00E+00	2.84E-00
UC44BA	4.94E-02	1.03E-01	4.73E-02	1.36E-01	0.00E+00	0.00E+00	1.89E-03	8.12E-08	8.79E-03	9.75E-02	2.76E-02	1.71E-01	1.41E-07	6.54E-08	7.62E-00	1.28E-00	3.97E-02	3.33E-02	6.89E-02	3.13E-02	1.19E-02	4.14E-01	2.92E-08	6.07E-08	7.13E-03	9.56E-05	5.20E-01	2.54E-08	1.28E-02	2.89E-00	2.26E-02	2.76E-02	1.73E-01	0.00E+00	0.00E+00	0.00E+00	2.84E-00
UD01F1	1.15E-02	3.13E-00	1.77E-01	3.30E-00	0.00E+00	0.00E+00	1.18E-02	1.65E-02	2.02E-03	2.16E-02	6.07E-03	3.09E-02	2.41E-03	4.26E-08	5.90E-00	4.14E-02	8.21E-03	8.78E-02	2.21E-02	3.43E-01	1.19E-02	1.04E-01	2.92E-08	6.07E-08	7.13E-03	9.56E-05	5.20E-01	2.54E-08	1.28E-02	2.89E-00	2.26E-02	1.29E-02	3.08E-00	0.00E+00	0.00E+00	0.00E+00	8.47E-01
UD01F2	5.57E-02	8.93E-00	1.78E-01	6.02E-00	7.09E-04	0.00E+00	9.35E-04	1.80E-04	4.06E-03	4.44E-02	1.07E-02	2.76E-01	4.19E-08	8.86E-07	6.46E-01	5.11E-01	1.44E-02	1.47E-01	8.11E-02	7.65E-01	2.07E-02	1.21E-01	2.46E-07	3.48E-07	1.85E-03	3.16E-04	3.04E-00	3.47E-08	2.23E-02	3.10E-04	2.26E-02	2.36E-02	6.51E-00	0.00E+00	0.00E+00	0.00E+00	3.48E-00
UD02F1	1.43E-02	3.70E-00	3.07E-01	4.01E-00	0.00E+00	0.00E+00	1.22E-02	2.58E-02	2.96E-03	2.71E-02	8.08E-03	4.47E-02	4.05E-04	4.40E-08	6.02E-00	5.93E-02	1.09E-02	9.02E-02	2.43E-02	4.64E-01	1.24E-02	1.65E-01	4.14E-08	7.96E-08	8.74E-03	1.43E-04	3.69E-01	4.31E-08	1.41E-02	2.99E-00	1.41E-02	1.45E-02	4.68E-00	0.00E+00	0.00E+00	0.00E+00	1.04E-00
UD02F2	1.07E-01	7.62E-00	4.23E-01	8.04E-00	1.66E-07	0.00E+00	8.60E-04	3.54E-04	5.96E-02	6.69E-02	1.57E-02	6.05E-01	8.97E-08	1.19E-08	3.81E-01	1.62E-00	2.12E-02	1.79E-01	1.41E-01	1.07E-00	2.40E-02	3.82E-01	4.86E-07	6.51E-07	2.02E-02	4.09E-04	5.20E-00	7.98E-08	2.93E-02	6.74E-04	2.95E-02	1.91E-02	1.26E-01	0.00E+00	0.00E+00	0.00E+00	6.02E-00
UD11A1	1.65E-04	4.20E-00	2.67E-01	4.76E-00	0.00E+00	0.00E+00	3.49E-03	6.04E-02	3.08E-03	3.32E-02	7.34E-03	4.91E-02	5.13E-08	5.55E-08	6.10E-01	5.46E-02	9.94E-03	1.36E-01	2.36E-02	6.23E-01	1.71E-02	1.37E-01	6.30E-08	9.33E-08	1.04E-04	1.63E-00	3.14E-08	1.85E-04	1.64E-05	1.65E-02	1.90E-02	4.77E-00	0.00E+00	0.00E+00	0.00E+00	1.02E-00	
UD11B1	1.67E-02	4.81E-00	2.87E-01	4.88E-00	2.29E-02	0.00E+00	1.63E-03	3.39E-08	3.01E-03	3.24E-02	7.30E-03	3.91E-02	4.81E-08	5.37E-08	6.47E-00	1.07E-01	1.07E-02	1.79E-01	2.64E-02	6.80E-01	2.02E-02	3.86E-00	4.19E-08	9.94E-08	1.04E-02	2.20E-04	1.06E-00	3.02E-08	2.12E-02	1.19E-05	2.12E-02	2.17E-02	4.89E-00	0.00E+00	0.00E+00	0.00E+00	4.99E-02
UD11C1	2.27E-02	6.30E-00	2.88E-01	6.52E-00	0.00E+00	0.00E+00	3.07E-03	3.47E-04	3.99E-03	4.33E-02	9.50E-03	3.86E-01	4.84E-08	7.01E-08	6.01E-00	3.47E-02	1.29E-02	2.56E-01	4.30E-02	5.15E-01	2.84E-02	1.20E-01	5.87E-08	1.28E-07	1.40E-03	1.13E-04	1.20E-00	3.36E-08	2.99E-02	3.77E-05	2.86E-02	3.00E-02	4.55E-00	0.00E+00	0.00E+00	0.00E+00	1.85E-00
UD11F1	9.03E-02	2.37E-00	1.71E-01	2.54E-00	0.00E+00	0.00E+00	1.63E-03	3.22E-08	1.68E-03	1.81E-02	4.69E-03	3.19E-02	3.12E-04	2.84E-08	6.07E-00	3.16E-02	3.62E-03	1.747E-02	1.11E-02	3.16E-01	6.99E-01	1.02E-01	3.26E-08	5.01E-08	5.46E-03	8.00E-05	7.28E-01	2.34E-08	7.94E-02	1.65E-06	7.96E-01	4.07E-02	3.07E-00	0.00E+00	0.00E+00	0.00E+00	4.76E-01
UD12A1	1.62E-02	6.10E-00	3.61E-01	6.14E-00	0.00E+00	0.00E+00	1.63E-03	5.81E-08	4.28E-02	4.76E-02	1.30E-02	6.30E-02	8.20E-08	5.14E-08	6.01E-01	7.96E-02	1.52E-02	1.41E-02	1.36E-02	1.50E-02	2.34E-02	1.60E-01	1.31E-07	1.31E-07	1.40E-02	4.00E-04	1.00E-00	7.14E-08	2.94E-02	2.08E-06	2.62E-01	8.27E-02	3.14E-00	0.00E+00	0.00E+00	0.00E+00	3.00E-00
UD12B1	2.21E-02	6.17E-00	2.96E-01	6.47E-00	2.25E-05	0.00E+00	1.63E-03	4.25E-08	3.91E-03	4.21E-02	1.08E-02	4.89E-02	5.81E-08	6.09E-08	6.11E-00	1.36E-01	1.47E-02	2.08E-01	3.43E-02	9.35E-01	2.77E-02	1.65E-01	5.36E-08	1.19E-07	1.37E-03	3.59E-04	1.19E-00	4.40E-08	2.93E-02	2.25E-05	2.93E-02	2.99E-02	5.60E-00	0.00E+00	0.00E+00	0.00E+00	4.06E-02
UD12B2	2.27E-02	6.45E-00	3.09E-01	6.71E-00	2.25E-05	0.00E+00	1.63E-03	4.46E-08	4.04E-03	4.34E-02	1.12E-02	5.26E-02	5.89E-08	6.14E-08	6.13E-00	1.46E-01	1.51E-02	2.08E-01	3.48E-02	9.73E-01	2.79E-02	1.90E-01	5.72E-08	1.23E-07	1.41E-03	3.71E-04	1.23E-00	4.60E-08	2.93E-02	2.24E-05	2.99E-02	3.94E-02	5.82E-00	0.00E+00	0.00E+00	0.00E+00	4.06E-02
UD12BA	4.86E-02	8.99E-00	4.13E-01	9.36E-00	4.10E-05	0.00E+00	2.83E-01	4.18E-08	5.79E-03	6.23E-02	1.61E-02	1.15E-01	6.02E-08	2.91E-07	3.20E-01	3.95E-01	2.19E-02	3.70E-01	9.27E-02	1.43E-00	3.92E-02	2.22E-01	1.86E-07	2.69E-07	2.23E-02	6.21E-04	2.29E-00	6.53E-08	4.15E-02	1.46E-02	1.42E-02	4.87E-00	0.00E+00	0.00E+00	0.00E+00	7.08E-02	
UD12F1	1.29E-02	3.96E-00	3.40E-01	3.86E-00	0.00E+00	0.00E+00	3.49E-03	6.15E-02	3.79E-02	4.06E-02	5.36E-02	5.91E-02	4.13E-08	4.13E-08	6.01E-01	1.17E-01	1.77E-02	3.14E-01	4.51E-02	1.29E-00	3.92E-02	2.50E-01	1.93E-07	1.79E-02	1.79E-02	1.82E-04	1.56E-00	5.81E-08	4.07E-02	4.53E-05	4.07E-02	4.14E-02	7.47E-00	0.00E+00	0.00E+00	0.00E+00	1.94E-00
UD13A1	2.90E-02	7.98E-00	4.42E-01	8.47E-00	0.00E+00	0.00E+00	2.47E-03	6.32E-08	5.14E-03	5.51E-02	1.31E-02	6.83E-02	6.74E-08	6.51E-08	6.02E-01	1.17E-01	1.77E-02	3.14E-01	4.51E-02	1.29E-00	3.92E-02	2.50E-01	1.93E-07	1.79E-02	1.79E-02	1.82E-04	1.56E-00	5.81E-08	4.07E-02	4.53E-05	4.07E-02	4.14E-02	7.47E-00	0.00E+00	0.00E+00	0.00E+00	1.94E-00
UD13B1	3.23E-02	9.37E-00	4.09E-01	9.71E-00	3.63E-04	0.00E+00	3.07E-04	7.19E-04	5.70E-03	6.21E-02	1.60E-02	7.33E-02	8.20E-08	8.90E-08	6.25E-00	2.20E-01	2.03E-02	3.93E-01	5.11E-02	1.38E-00	4.40E-02	3.62E-01	8.23E-08	1.76E-07	2.04E-02	6.29E-04	1.98E-00	6.08E-08	4.66E-02	4.18E-00	4.68E-02	4.74E-02	7.50E-00	0.00E+00	0.00E+00	0.00E+00	6.27E-02
UD13B2	3.94E-02	8.65E-00	3.98E-01	9.06E-00	2.25E-05	0.00E+00	1.64E-03	5.20E-08	5.35E-03	5.74E-02	1.34E-02	6.44E-02	7.37E-08	7.81E-08	6.22E-00	1.77E-01	1.81E-02	3.91E-01	4.99E-02	1.37E-00	4.31E-02	3.18E-01	6.81E-08	1.64E-07	1.91E-03	5.99E-04	1.30E-00	5.92E-08	4.53E-02	4.18E-05	4.53E-02	4.60E-02	7.28E-00	0.00E+00	0.00E+00	0.00E+00	4.06E-02
UD13C																																					

UN09A	1.88E-02	7.07E-04	6.71E-02	7.13E-04	0.00E+00	0.00E+00	1.06E-03	1.73E-04	3.45E-03	3.72E-02	1.49E-02	1.54E-02	1.74E-04	1.72E-07	6.94E-01	1.97E-01	2.02E-02	5.93E-02	4.79E-02	1.56E-01	3.67E-02	1.78E-04	6.05E-08	9.57E-08	1.40E-02	2.88E-05	4.14E-01	1.48E-04	3.88E-02	1.27E-05	3.68E-02	3.70E-02	1.90E-04	0.00E+00	0.00E+00	0.00E+00	2.06E-04	
UN10A	2.39E-02	8.73E-04	8.63E-02	8.79E-04	0.00E+00	0.00E+00	1.08E-03	1.81E-04	4.27E-03	4.41E-02	1.64E-02	1.80E-02	1.98E-04	2.07E-07	8.96E-01	2.17E-01	2.21E-02	2.23E-02	6.98E-02	1.75E-01	4.09E-02	1.82E-04	6.97E-08	1.19E-07	1.74E-02	3.21E-05	4.29E-01	1.88E-04	4.73E-02	1.51E-05	4.70E-02	4.72E-02	2.09E-04	0.00E+00	0.00E+00	0.00E+00	2.81E-04	
UN11A	2.96E-02	9.51E-04	7.28E-02	9.54E-04	0.00E+00	0.00E+00	1.06E-03	1.86E-04	4.44E-03	5.00E-02	1.81E-02	1.87E-02	2.00E-04	2.26E-07	7.01E-01	2.20E-01	2.40E-02	2.27E-02	6.62E-02	1.90E-01	5.10E-02	1.87E-04	7.52E-08	1.39E-07	1.89E-02	3.42E-05	4.64E-01	1.80E-04	5.12E-02	1.66E-05	5.14E-02	5.14E-02	2.30E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-04	
UN12A	2.53E-02	9.16E-04	7.78E-02	8.49E-04	0.00E+00	0.00E+00	1.06E-03	1.88E-04	4.57E-03	4.93E-02	1.94E-02	1.93E-02	2.09E-04	2.26E-07	7.56E-01	2.35E-01	2.12E-02	1.10E-01	6.48E-02	2.00E-01	4.97E-02	1.91E-04	7.88E-08	1.37E-07	1.87E-02	3.59E-05	5.11E-01	1.96E-04	4.99E-02	1.66E-05	4.99E-02	4.99E-02	2.47E-04	0.00E+00	0.00E+00	0.00E+00	2.76E-04	
UN13A	2.93E-02	1.00E-03	7.98E-02	1.07E-03	0.00E+00	0.00E+00	1.08E-03	1.90E-04	5.03E-03	5.23E-02	2.00E-02	1.95E-02	2.02E-04	2.26E-07	7.15E-01	2.59E-01	2.31E-02	2.16E-02	6.92E-02	2.27E-01	5.37E-02	1.94E-04	8.66E-08	1.42E-07	2.10E-02	4.00E-05	5.88E-01	2.20E-04	5.99E-02	1.96E-05	5.99E-02	5.99E-02	2.91E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-04	
UN31TN	8.70E-02	1.11E-01	7.98E-01	1.14E-01	0.00E+00	0.00E+00	5.55E-02	2.38E-01	9.20E-03	9.80E-02	8.69E-03	2.67E-01	8.11E-04	1.20E-07	9.41E-04	3.10E-02	1.18E-02	2.28E-01	8.22E-02	4.92E-04	1.80E-02	1.45E-04	8.22E-07	9.22E-07	2.95E-03	7.50E-04	2.08E-01	4.08E-04	1.62E-02	3.88E-04	1.62E-02	1.86E-02	4.29E-04	0.00E+00	0.00E+00	0.00E+00	3.53E-04	
UN41B1	2.99E-02	8.23E-04	4.28E-01	8.66E-04	5.49E-04	0.00E+00	3.57E-03	8.26E-05	5.97E-03	5.53E-02	1.78E-02	3.79E-04	8.97E-08	4.54E-07	1.51E-01	1.61E-04	2.38E-02	1.20E-01	5.47E-02	2.96E-04	3.09E-02	2.71E-01	1.37E-07	1.80E-07	1.94E-03	1.01E-03	2.87E-04	7.32E-04	3.34E-03	4.77E-05	3.34E-02	3.44E-03	1.02E-01	0.00E+00	0.00E+00	2.34E-02	2.35E-04	
UN41U1	4.09E-02	8.32E-04	5.92E-01	8.91E-04	5.46E-04	0.00E+00	2.89E-03	7.01E-05	6.80E-03	7.29E-02	1.52E-02	8.26E-04	1.00E-07	2.29E-07	1.51E-01	1.81E-04	2.17E-02	1.23E-01	7.00E-02	2.17E-04	2.97E-02	2.51E-01	1.70E-07	3.33E-07	2.29E-03	9.97E-04	3.36E-04	9.29E-04	2.02E-02	1.11E-04	2.32E-02	3.08E-02	1.26E-01	0.00E+00	0.00E+00	1.92E-02	3.00E-04	
UN51TN	1.29E-01	2.07E-01	8.91E-01	2.22E-01	0.00E+00	0.00E+00	4.59E-02	2.58E-01	1.71E-02	1.91E-02	1.97E-02	7.92E-01	1.10E-07	3.61E-06	8.41E-04	4.00E-02	2.59E-02	4.45E-01	1.79E-02	2.22E-04	4.84E-02	4.36E-01	1.77E-07	2.52E-07	2.77E-03	8.05E-04	2.43E-01	1.18E-01	5.27E-02	9.29E-05	5.27E-02	5.41E-02	1.42E-01	0.00E+00	0.00E+00	3.32E-02	3.48E-04	
UN61B3	4.42E-02	1.23E-01	7.44E-01	1.30E-01	5.95E-04	0.00E+00	3.70E-03	1.05E-04	7.91E-03	8.29E-02	2.69E-02	3.95E-04	1.28E-07	2.99E-07	1.56E-01	1.64E-04	3.84E-02	1.91E-01	6.91E-02	2.22E-04	4.84E-02	4.36E-01	1.77E-07	2.52E-07	2.77E-03	8.05E-04	2.43E-01	1.18E-01	5.27E-02	9.29E-05	5.27E-02	5.41E-02	1.42E-01	0.00E+00	0.00E+00	3.32E-02	3.48E-04	
UN61U3	5.42E-02	1.19E-01	7.94E-01	1.26E-01	5.93E-04	0.00E+00	3.70E-03	8.79E-05	9.60E-03	1.02E-01	2.33E-02	3.98E-04	1.27E-07	3.09E-07	1.55E-01	1.63E-04	3.15E-02	3.64E-01	1.03E-01	2.36E-04	4.29E-02	4.12E-01	1.84E-07	3.03E-07	3.32E-03	1.01E-03	2.19E-04	1.02E-01	4.69E-02	9.69E-05	4.69E-02	4.36E-02	1.43E-01	0.00E+00	0.00E+00	3.19E-02	4.42E-04	
UN71B3	4.48E-02	1.27E-01	8.79E-01	1.34E-01	5.95E-04	0.00E+00	3.70E-03	1.04E-04	7.99E-03	8.41E-02	2.81E-02	3.95E-04	1.20E-07	3.11E-07	1.55E-01	1.64E-04	3.81E-02	1.44E-01	8.22E-02	2.17E-04	5.03E-02	4.36E-01	1.79E-07	2.50E-07	2.83E-03	9.64E-04	2.66E-01	1.10E-01	5.44E-02	9.39E-05	5.44E-02	1.36E-01	0.00E+00	0.00E+00	3.32E-02	3.53E-04		
UN71B4	4.98E-02	1.31E-01	8.77E-01	1.38E-01	5.95E-04	0.00E+00	3.82E-03	1.16E-04	8.20E-03	8.73E-02	2.93E-02	5.64E-04	1.22E-07	3.47E-07	1.63E-01	1.67E-04	3.96E-02	1.54E-01	8.93E-02	2.19E-04	5.03E-02	4.31E-01	1.91E-07	2.70E-07	3.26E-03	9.86E-04	2.83E-01	1.11E-01	5.79E-02	7.28E-05	5.79E-02	5.92E-02	1.37E-01	0.00E+00	0.00E+00	3.32E-02	3.82E-04	
UN81B3	4.91E-02	1.44E-01	7.36E-01	1.51E-01	8.23E-04	0.00E+00	3.71E-03	1.18E-04	8.92E-03	9.36E-02	2.71E-02	1.32E-04	9.34E-08	4.94E-07	1.62E-01	2.38E-04	3.26E-02	2.01E-01	9.25E-02	2.81E-04	5.98E-02	4.97E-01	2.07E-07	2.89E-07	3.51E-02	1.28E-03	9.56E-04	1.23E-01	6.17E-02	1.55E-05	6.18E-02	6.34E-02	1.97E-01	0.00E+00	0.00E+00	3.32E-02	3.97E-04	
UN81B4	5.01E-02	1.39E-01	7.94E-01	1.42E-01	5.95E-04	0.00E+00	3.83E-03	1.17E-04	8.81E-03	9.04E-02	3.14E-02	5.65E-04	1.33E-07	3.60E-07	1.63E-01	1.67E-04	4.25E-02	1.08E-01	9.21E-02	2.21E-04	5.07E-02	4.32E-01	1.97E-07	2.83E-07	3.07E-03	9.79E-04	2.42E-01	1.02E-01	6.03E-02	7.39E-05	6.03E-02	6.15E-02	1.47E-01	0.00E+00	0.00E+00	3.32E-02	3.95E-04	
US31A3R1	9.05E-02	2.22E-04	2.78E-01	2.56E-04	0.00E+00	0.00E+00	8.20E-04	3.22E-04	1.69E-03	1.76E-02	5.79E-03	4.49E-02	3.47E-08	4.69E-09	5.77E-04	1.67E-02	7.84E-03	8.74E-03	7.50E-03	3.33E-01	2.99E-01	2.27E-01	3.99E-08	4.94E-08	5.29E-03	1.48E-04	7.32E-02	3.06E-02	5.27E-01	3.45E-07	5.27E-01	5.64E-01	3.72E-04	0.00E+00	0.00E+00	0.00E+00	3.22E-01	
UT12PN	7.86E-02	1.99E-04	1.30E-01	2.11E-04	0.00E+00	0.00E+00	6.77E-04	3.23E-04	1.58E-03	1.54E-02	4.86E-03	8.74E-02	1.60E-04	1.39E-09	4.95E-04	1.76E-02	6.57E-03	8.62E-03	2.42E-02	2.20E-04	6.39E-01	2.21E-01	1.77E-08	8.62E-08	4.82E-03	2.00E-04	9.40E-01	1.88E-04	6.41E-01	2.82E-05	6.41E-01	6.90E-01	4.27E-04	0.00E+00	0.00E+00	1.04E-04		
UW31V	3.91E-02	7.79E-04	3.49E-01	8.14E-04	2.04E-04	0.00E+00	3.17E-03	8.28E-05	5.41E-03	5.10E-02	9.49E-02	6.47E-08	2.91E-07	1.56E-01	1.82E-01	2.10E-02	1.16E-01	6.01E-02	8.98E-03	3.09E-02	2.66E-01	2.26E-01	2.17E-07	1.19E-07	1.80E-03	3.00E-04	8.61E-01	5.40E-03	3.33E-02	1.06E-05	3.33E-02	3.83E-03	4.90E-04	0.00E+00	0.00E+00	3.32E-02	3.59E-04	
UW41U	9.81E-02	1.50E-01	4.42E-01	1.55E-01	2.04E-05	0.00E+00	2.51E-03	9.95E-05	1.27E-02	1.34E-01	1.65E-02	1.12E-01	1.03E-07	2.70E-07	3.27E-01	2.18E-01	2.24E-02	1.02E-01	1.03E-01	5.25E-04	2.92E-02	2.74E-01	1.40E-07	5.12E-07	3.99E-03	3.22E-04	6.12E-01	6.73E-04	3.09E-02	1.43E-04	3.09E-02	3.71E-02	7.34E-04	0.00E+00	0.00E+00	3.32E-02	4.44E-04	
UW51U	1.18E-01	1.88E-01	5.44E-01	1.94E-01	2.04E-05	0.00E+00	2.51E-03	1.06E-04	1.95E-02	1.68E-01	2.01E-02	1.15E-01	1.26E-07	2.78E-07	3.21E-01	2.32E-01	2.79E-02	1.32E-01	1.28E-01	6.74E-04	3.44E-02	3.23E-01	1.56E-07	6.39E-07	4.99E-03	3.68E-04	4.36E-01	8.35E-04	3.79E-02	1.50E-04	3.79E-02	3.97E-02	8.79E-04	0.00E+00	0.00E+00	3.32E-02	5.41E-04	
UW51UA	1.04E-01	1.80E-01	5.62E-01	1.86E-01	2.04E-05	0.00E+00	1.51E-03	8.04E-05	1.93E-02	1.62E-01	1.92E-02	5.36E-04	1.19E-07	1.62E-07	1.92E-01	1.82E-01	3.00E-02	1.23E-01	1.13E-01	6.57E-04	3.29E-02	3.11E-01	1.06E-07	5.83E-07	4.75E-03	3.22E-04	1.16E-01	8.25E-04	3.99E-02	1.84E-05	3.99E-02	3.56E-02	4.90E-04	8.37E-04	0.00E+00	0.00E+00	3.32E-02	4.87E-04
UW51V	5.98E-02	1.75E-01	4.12E-01	1.95E-01	2.04E-05	0.00E+00	3.17E-03	1.13E-04	9.34E-08	4.94E-07	2.02E-02	3.17E-02	9.34E-08	4.94E-07	1.62E-01	2.53E-01	2.80E-02	1.45E-01	8.21E-02	1.06E-04	4.99E-02	4.97E-01	2.07E-07	2.77E-07	2.91E-03	1.21E-03	9.66E-04	8.50E-04	4.80E-04	1.84E-05	4.80E-04	4.80E-04	0.00E+00	0.00E+00	3.32E-02	3.97E-04		
UW61U	1.38E-01	2.23E-01	6.67E-01	2.29E-01	2.04E-05	0.00E+00	2.52E-03	1.18E-04	1.88E-02	1.98E-01	2.33E-02	1.12E-01	1.35E-07	2.81E-07	3.22E-01	2.53E-01	3.15E-02	1.60E-01	1.45E-01	7.94E-04	4.06E-02	3.97E-01	1.61E-07	7.24E-07	5.98E-03	3.98E-04	5.97E-01	6.88E-04	4.48E-02	1.55E-04	4.48E-02	4.59E-02	9.23E-04	0.00E+00	0.00E+00	3.32E-02	6.28E-04	
UW61UA	1.27E-01	2.19E-01	6.73E-01	2.21E-01	2.04E-05	0.00E+00	1.52E-03	9.07E-05	1.81E-02	1.91E-01	2.23E-02	5.49E-04	1.27E-07	1.67E-07	1.92E-01	2.03E-01	3.02E-02	1.50E-01	1.33E-01	7.77E-04	3.86E-02	3.89E-01	1.17E-07	6.61E-07	5.62E-03	3.52E-04	2.39E-01	6.97E-04	4.24E-02	8.99E-05	4.24E-02	4.33E-02	8.80E-04	0.00E+00	0.00E+00	3.32E-02	3.72E-04	
UW61V	5.97E-02	1.23E-01	6.74E-01	1.27E-01	2.04E-05	0.00E+00	2.51E-03	1.16E-04	7.77E-03	8.24E-02	2.62E-02	1.13E-01	9.64E-08	8.09E-07	2.93E-01	2.59E-01	3.55E-02	1.08E-01	9.16E-02	1.16E-04	5.18E-02	3.97E-01	1.88E-07	3.04E-07	2.86E-03	4.00E-04	5.76E-01	6.99E-04	5.56E-02	1.33E-04	5.56E-02	5.69E-02	9.33E-04	0.00E+00	0.00E+00	3.32E-02</		

FP23TN2	5.16E-02	8.14E-00	0.00E+00	8.14E-00	0.00E+00	0.00E+00	5.34E-00	3.06E-02	2.42E-02	2.85E-01	0.00E+00	0.00E+00	1.43E-10	2.77E-09	1.99E-02	0.00E+00	0.00E+00	0.00E+00	7.21E-04	2.88E-01	1.14E-02	0.00E+00	1.25E-08	4.33E-01	6.70E-02	2.04E-04	1.52E-01	0.00E+00	1.14E-02	3.21E-07	1.14E-02	1.14E-02	1.32E-01	0.00E+00	0.00E+00	0.00E+00	3.10E-02
FP2451N	3.87E-02	8.11E-00	0.00E+00	8.11E-00	0.00E+00	0.00E+00	4.01E-00	2.22E-08	1.82E-02	1.96E-01	0.00E+00	0.00E+00	1.07E-10	2.08E-09	1.49E-02	0.00E+00	0.00E+00	0.00E+00	5.41E-04	2.15E-01	8.53E-01	0.00E+00	9.36E-09	3.15E-07	5.02E-02	1.53E-04	1.14E-01	0.00E+00	8.53E-01	2.41E-07	8.53E-01	8.54E-01	1.14E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-02
FP245N2	5.98E-02	9.44E-00	0.00E+00	9.44E-00	0.00E+00	0.00E+00	6.19E-00	3.54E-00	2.81E-02	3.08E-01	0.00E+00	0.00E+00	1.86E-10	3.21E-09	2.30E-02	0.00E+00	0.00E+00	0.00E+00	8.36E-04	3.32E-01	1.32E-02	0.00E+00	1.45E-08	4.97E-07	7.76E-02	2.36E-04	1.76E-01	0.00E+00	1.32E-02	3.72E-07	1.32E-02	1.32E-02	1.76E-01	0.00E+00	0.00E+00	0.00E+00	3.93E-02
FP24TN2	6.14E-02	9.68E-00	0.00E+00	9.68E-00	0.00E+00	0.00E+00	6.75E-00	3.64E-00	2.82E-02	3.16E-01	0.00E+00	0.00E+00	1.79E-10	3.30E-09	2.36E-02	0.00E+00	0.00E+00	0.00E+00	8.57E-04	3.40E-01	1.39E-02	0.00E+00	1.45E-08	4.99E-07	7.97E-02	2.42E-04	1.81E-01	0.00E+00	1.39E-02	3.82E-07	1.39E-02	1.39E-02	1.81E-01	0.00E+00	0.00E+00	0.00E+00	3.98E-02
FP25TN2	8.68E-02	1.05E-01	0.00E+00	1.05E-01	0.00E+00	0.00E+00	8.19E-00	4.08E-00	3.29E-02	3.54E-01	0.00E+00	0.00E+00	1.91E-10	3.70E-09	2.65E-02	0.00E+00	0.00E+00	0.00E+00	9.37E-04	3.62E-01	1.52E-02	0.00E+00	1.58E-08	5.50E-07	8.39E-02	2.52E-04	2.02E-01	0.00E+00	1.52E-02	4.28E-07	1.52E-02	1.52E-02	2.02E-01	0.00E+00	0.00E+00	0.00E+00	4.58E-02
FP42Q7	1.28E-02	2.01E-00	0.00E+00	2.01E-00	0.00E+00	0.00E+00	1.32E-00	7.56E-07	5.99E-03	6.57E-02	0.00E+00	0.00E+00	3.54E-11	6.86E-10	4.91E-03	0.00E+00	0.00E+00	0.00E+00	1.78E-04	7.08E-02	2.81E-01	0.00E+00	3.00E-09	1.04E-07	1.66E-02	5.94E-05	3.75E-02	0.00E+00	2.81E-01	7.94E-08	2.81E-01	2.82E-01	3.75E-02	0.00E+00	0.00E+00	0.00E+00	7.66E-03
FP62Q3	1.82E-02	2.89E-00	0.00E+00	2.89E-00	0.00E+00	0.00E+00	1.88E-00	1.06E-08	8.51E-03	9.33E-02	0.00E+00	0.00E+00	5.94E-11	9.74E-10	6.98E-03	0.00E+00	0.00E+00	0.00E+00	2.53E-04	1.01E-01	4.05E-01	0.00E+00	4.34E-09	1.48E-07	2.35E-02	7.17E-05	5.34E-02	0.00E+00	4.05E-01	1.13E-07	4.05E-01	4.05E-01	5.34E-02	0.00E+00	0.00E+00	0.00E+00	1.05E-02
FP63Q3	2.41E-02	3.80E-00	0.00E+00	3.80E-00	0.00E+00	0.00E+00	2.49E-00	1.42E-08	1.13E-02	1.24E-01	0.00E+00	0.00E+00	6.89E-11	1.29E-09	9.28E-03	0.00E+00	0.00E+00	0.00E+00	3.37E-04	1.34E-01	5.13E-01	0.00E+00	4.54E-09	1.96E-07	3.13E-02	9.52E-05	7.09E-02	0.00E+00	5.13E-01	1.55E-07	5.13E-01	5.13E-01	7.09E-02	0.00E+00	0.00E+00	0.00E+00	1.45E-02
FP64Q3	3.00E-02	4.70E-00	0.00E+00	4.70E-00	0.00E+00	0.00E+00	3.09E-00	1.78E-08	1.41E-02	1.54E-01	0.00E+00	0.00E+00	8.23E-11	1.61E-09	1.10E-02	0.00E+00	0.00E+00	0.00E+00	4.06E-04	1.68E-01	6.61E-01	0.00E+00	5.24E-09	2.44E-07	4.18E-02	1.18E-04	8.82E-02	0.00E+00	6.61E-01	1.97E-07	6.61E-01	6.61E-01	8.82E-02	0.00E+00	0.00E+00	0.00E+00	1.80E-02
FP72Q3	2.05E-02	3.23E-00	0.00E+00	3.23E-00	0.00E+00	0.00E+00	2.12E-00	1.21E-08	9.81E-03	1.05E-01	0.00E+00	0.00E+00	5.89E-11	1.10E-09	7.88E-03	0.00E+00	0.00E+00	0.00E+00	2.86E-04	1.14E-01	4.51E-01	0.00E+00	4.96E-09	1.67E-07	2.66E-02	8.09E-05	6.02E-02	0.00E+00	4.51E-01	1.27E-07	4.51E-01	4.52E-01	6.02E-02	0.00E+00	0.00E+00	0.00E+00	1.23E-02
FP72SN2	2.11E-02	3.32E-00	0.00E+00	3.32E-00	0.00E+00	0.00E+00	2.18E-00	1.25E-08	9.98E-03	1.08E-01	0.00E+00	0.00E+00	5.93E-11	1.13E-09	8.00E-03	0.00E+00	0.00E+00	0.00E+00	2.94E-04	1.17E-01	4.64E-01	0.00E+00	5.10E-09	1.71E-07	2.73E-02	8.23E-05	6.16E-02	0.00E+00	4.64E-01	1.31E-07	4.64E-01	4.64E-01	6.16E-02	0.00E+00	0.00E+00	0.00E+00	1.26E-02
FP73Q3	2.27E-02	4.29E-00	0.00E+00	4.29E-00	0.00E+00	0.00E+00	2.82E-00	1.61E-08	1.28E-02	1.40E-01	0.00E+00	0.00E+00	7.56E-11	1.48E-09	1.05E-02	0.00E+00	0.00E+00	0.00E+00	3.80E-04	1.51E-01	6.00E-01	0.00E+00	6.59E-09	2.21E-07	3.53E-02	1.07E-04	8.00E-02	0.00E+00	6.00E-01	1.69E-07	6.00E-01	6.00E-01	8.00E-02	0.00E+00	0.00E+00	0.00E+00	1.83E-02
FP74Q3	3.28E-02	5.95E-00	0.00E+00	5.95E-00	0.00E+00	0.00E+00	3.49E-00	2.30E-08	1.58E-02	1.74E-01	0.00E+00	0.00E+00	9.37E-11	1.81E-09	1.26E-02	0.00E+00	0.00E+00	0.00E+00	4.71E-04	1.87E-01	7.44E-01	0.00E+00	8.17E-09	2.73E-07	4.28E-02	1.33E-04	9.92E-02	0.00E+00	7.44E-01	2.10E-07	7.44E-01	7.44E-01	9.92E-02	0.00E+00	0.00E+00	0.00E+00	2.02E-02
FP74Q7	3.28E-02	5.95E-00	0.00E+00	5.95E-00	0.00E+00	0.00E+00	3.49E-00	1.95E-08	1.54E-02	1.69E-01	0.00E+00	0.00E+00	9.11E-11	1.78E-09	1.25E-02	0.00E+00	0.00E+00	0.00E+00	4.59E-04	1.82E-01	7.24E-01	0.00E+00	7.95E-09	2.67E-07	4.25E-02	1.30E-04	9.85E-02	0.00E+00	7.24E-01	2.04E-07	7.24E-01	7.24E-01	9.85E-02	0.00E+00	0.00E+00	0.00E+00	1.97E-02
FP82Q3	2.29E-02	3.81E-00	0.00E+00	3.81E-00	0.00E+00	0.00E+00	2.37E-00	1.30E-08	1.07E-02	1.18E-01	0.00E+00	0.00E+00	6.36E-11	1.23E-09	8.82E-03	0.00E+00	0.00E+00	0.00E+00	3.20E-04	1.27E-01	5.09E-01	0.00E+00	5.56E-09	1.89E-07	2.97E-02	9.05E-05	6.74E-02	0.00E+00	5.09E-01	1.42E-07	5.09E-01	5.09E-01	6.74E-02	0.00E+00	0.00E+00	0.00E+00	1.37E-02
FP82SN2	2.33E-02	3.85E-00	0.00E+00	3.85E-00	0.00E+00	0.00E+00	2.40E-00	1.37E-08	1.09E-02	1.19E-01	0.00E+00	0.00E+00	6.43E-11	1.24E-09	8.91E-03	0.00E+00	0.00E+00	0.00E+00	3.23E-04	1.28E-01	5.18E-01	0.00E+00	5.61E-09	1.89E-07	3.00E-02	9.14E-05	6.81E-02	0.00E+00	5.18E-01	1.44E-07	5.18E-01	5.18E-01	6.81E-02	0.00E+00	0.00E+00	0.00E+00	1.39E-02
FP83Q7	3.03E-02	4.81E-00	0.00E+00	4.81E-00	0.00E+00	0.00E+00	3.02E-00	1.73E-08	1.37E-02	1.55E-01	0.00E+00	0.00E+00	8.10E-11	1.57E-09	1.12E-02	0.00E+00	0.00E+00	0.00E+00	4.98E-04	1.62E-01	6.43E-01	0.00E+00	7.07E-09	2.38E-07	3.79E-02	1.15E-04	8.96E-02	0.00E+00	6.43E-01	1.82E-07	6.43E-01	6.43E-01	8.96E-02	0.00E+00	0.00E+00	0.00E+00	1.75E-02
FP83SN2	3.03E-02	4.81E-00	0.00E+00	4.81E-00	0.00E+00	0.00E+00	3.02E-00	1.78E-08	1.41E-02	1.58E-01	0.00E+00	0.00E+00	8.26E-11	1.62E-09	1.16E-02	0.00E+00	0.00E+00	0.00E+00	5.06E-04	1.67E-01	6.64E-01	0.00E+00	7.29E-09	2.45E-07	3.91E-02	1.17E-04	9.08E-02	0.00E+00	6.64E-01	1.85E-07	6.64E-01	6.64E-01	9.08E-02	0.00E+00	0.00E+00	0.00E+00	1.81E-02
FP83TN2	2.96E-02	4.69E-00	0.00E+00	4.69E-00	0.00E+00	0.00E+00	2.98E-00	1.75E-08	1.36E-02	1.52E-01	0.00E+00	0.00E+00	8.20E-11	1.59E-09	1.14E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-04	1.64E-01	6.51E-01	0.00E+00	7.16E-09	2.42E-07	3.83E-02	1.17E-04	8.99E-02	0.00E+00	6.51E-01	1.84E-07	6.51E-01	6.52E-01	8.99E-02	0.00E+00	0.00E+00	0.00E+00	1.77E-02
FP84Q7	3.85E-02	5.75E-00	0.00E+00	5.75E-00	0.00E+00	0.00E+00	3.77E-00	2.16E-08	1.71E-02	1.88E-01	0.00E+00	0.00E+00	1.07E-10	1.99E-09	1.40E-02	0.00E+00	0.00E+00	0.00E+00	5.08E-04	2.02E-01	8.04E-01	0.00E+00	8.83E-09	2.97E-07	4.73E-02	1.44E-04	1.07E-01	0.00E+00	8.04E-01	2.27E-07	8.04E-01	8.05E-01	1.07E-01	0.00E+00	0.00E+00	0.00E+00	2.19E-02
FP84SN2	3.78E-02	5.69E-00	0.00E+00	5.69E-00	0.00E+00	0.00E+00	3.71E-00	2.24E-08	1.77E-02	1.94E-01	0.00E+00	0.00E+00	1.07E-10	2.03E-09	1.43E-02	0.00E+00	0.00E+00	0.00E+00	5.26E-04	2.05E-01	8.23E-01	0.00E+00	9.15E-09	3.07E-07	4.90E-02	1.45E-04	1.11E-01	0.00E+00	8.23E-01	2.35E-07	8.23E-01	8.24E-01	1.11E-01	0.00E+00	0.00E+00	0.00E+00	2.27E-02
FP92Q3	2.95E-02	4.02E-00	0.00E+00	4.02E-00	0.00E+00	0.00E+00	2.94E-00	1.51E-08	1.19E-02	1.31E-01	0.00E+00	0.00E+00	7.07E-11	1.37E-09	9.80E-03	0.00E+00	0.00E+00	0.00E+00	3.94E-04	1.41E-01	5.61E-01	0.00E+00	4.94E-09	1.67E-07	2.97E-02	9.31E-05	7.14E-02	0.00E+00	5.61E-01	1.58E-07	5.61E-01	5.62E-01	7.14E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-02
FP92SN2	2.94E-02	4.00E-00	0.00E+00	4.00E-00	0.00E+00	0.00E+00	2.92E-00	1.50E-08	1.19E-02	1.30E-01	0.00E+00	0.00E+00	7.04E-11	1.36E-09	9.78E-03	0.00E+00	0.00E+00	0.00E+00	3.94E-04	1.41E-01	5.59E-01	0.00E+00	4.94E-09	1.67E-07	2.96E-02	9.30E-05	7.14E-02	0.00E+00	5.59E-01	1.58E-07	5.59E-01	5.60E-01	7.14E-02	0.00E+00	0.00E+00	0.00E+00	1.52E-02
FP93Q3	3.34E-02	5.29E-00	0.00E+00	5.29E-00	0.00E+00	0.00E+00	3.43E-00	1.98E-08	1.56E-02	1.72E-01	0.00E+00	0.00E+00	9.26E-11	1.79E-09	1.28E-02	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.85E-01	7.33E-01	0.00E+00	8.96E-09	2.71E-07	4.32E-02	1.32E-04	9.81E-02	0.00E+00	7.33E-01	2.07E-07	7.33E-01	7.34E-01	9.81E-02	0.00E+00	0.00E+00	0.00E+00	2.06E-02
FP93SN2	3.29E-02	5.19E-00	0.00E+00	5.19E-00	0.00E+00	0.00E+00	3.40E-00	1.95E-08	1.54E-02	1.69E-01	0.00E+00	0.00E+00	9.13E-11	1.77E-09	1.27E-02	0.00E+00	0.00E+00	0.00E+00	4.59E-04	1.82E-01	7.23E-01	0.00E+00	8.97E-09	2.68E-07	4.27E-02	1.30E-04	9.67E-02	0.00E+00	7.23E-01	2.05E-07	7.23E-01	7.24E-01	9.67E-02	0			

FW324FT	1.82E-02	2.87E-05	0.00E+00	2.87E-04	0.00E+00	0.00E+00	1.89E-03	1.08E-06	8.54E-03	9.37E-02	0.00E+00	0.00E+00	5.06E-11	8.79E-10	7.01E-03	0.00E+00	0.00E+00	0.00E+00	2.54E-04	1.01E-01	4.02E-41	0.00E+00	4.41E-09	1.48E-07	2.36E-02	7.20E-05	9.36E-02	0.00E+00	4.02E-01	1.13E-07	4.02E-01	4.02E-01	5.36E-02	0.00E+00	0.00E+00	0.00E+00	1.00E-02
FW324WT	1.86E-02	2.93E-05	0.00E+00	2.93E-04	0.00E+00	0.00E+00	1.92E-03	1.10E-06	8.70E-03	9.54E-02	0.00E+00	0.00E+00	5.15E-11	8.96E-10	7.14E-03	0.00E+00	0.00E+00	0.00E+00	2.59E-04	1.03E-01	4.09E-41	0.00E+00	4.46E-09	1.51E-07	2.41E-02	7.33E-05	9.46E-02	0.00E+00	4.09E-01	1.15E-07	4.09E-01	4.09E-01	5.46E-02	0.00E+00	0.00E+00	0.00E+00	1.11E-02
FW424FT	2.33E-02	3.87E-05	0.00E+00	3.87E-04	0.00E+00	0.00E+00	2.41E-03	1.38E-06	1.09E-02	1.20E-01	0.00E+00	0.00E+00	6.46E-11	1.25E-09	8.69E-03	0.00E+00	0.00E+00	0.00E+00	3.25E-04	1.29E-01	5.13E-41	0.00E+00	5.63E-09	1.99E-07	3.02E-02	9.18E-05	6.84E-02	0.00E+00	5.13E-01	1.45E-07	5.13E-01	5.13E-01	6.84E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-02
FW424WT	2.39E-02	3.97E-05	0.00E+00	3.97E-04	0.00E+00	0.00E+00	2.47E-03	1.41E-06	1.12E-02	1.23E-01	0.00E+00	0.00E+00	6.63E-11	1.28E-09	8.82E-03	0.00E+00	0.00E+00	0.00E+00	3.32E-04	1.32E-01	5.20E-41	0.00E+00	5.78E-09	1.94E-07	3.10E-02	9.34E-05	7.02E-02	0.00E+00	5.20E-01	1.48E-07	5.20E-01	5.20E-01	7.02E-02	0.00E+00	0.00E+00	0.00E+00	1.45E-02
FW436WT	2.97E-02	4.89E-05	0.00E+00	4.89E-04	0.00E+00	0.00E+00	3.07E-03	1.78E-06	1.39E-02	1.56E-01	0.00E+00	0.00E+00	8.23E-11	1.66E-09	1.14E-02	0.00E+00	0.00E+00	0.00E+00	4.00E-04	1.60E-01	6.35E-41	0.00E+00	7.15E-09	2.42E-07	3.85E-02	1.17E-04	8.74E-02	0.00E+00	6.35E-01	1.65E-07	6.35E-01	6.35E-01	8.74E-02	0.00E+00	0.00E+00	0.00E+00	1.74E-02
FW524FT	2.86E-02	4.19E-05	0.00E+00	4.19E-04	0.00E+00	0.00E+00	2.75E-03	1.58E-06	1.25E-02	1.37E-01	0.00E+00	0.00E+00	7.38E-11	1.43E-09	1.02E-02	0.00E+00	0.00E+00	0.00E+00	3.71E-04	1.47E-01	5.86E-41	0.00E+00	6.44E-09	2.16E-07	3.45E-02	1.05E-04	8.82E-02	0.00E+00	5.86E-01	1.65E-07	5.86E-01	5.86E-01	8.74E-02	0.00E+00	0.00E+00	0.00E+00	1.59E-02
FW524WT	2.97E-02	4.48E-05	0.00E+00	4.48E-04	0.00E+00	0.00E+00	3.07E-03	1.76E-06	1.39E-02	1.53E-01	0.00E+00	0.00E+00	8.23E-11	1.59E-09	1.14E-02	0.00E+00	0.00E+00	0.00E+00	4.14E-04	1.64E-01	6.94E-41	0.00E+00	7.15E-09	2.41E-07	3.85E-02	1.17E-04	8.72E-02	0.00E+00	6.94E-01	1.64E-07	6.94E-01	6.94E-01	8.72E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-02
FW536FT	3.18E-02	5.02E-05	0.00E+00	5.02E-04	0.00E+00	0.00E+00	3.29E-03	1.89E-06	1.49E-02	1.64E-01	0.00E+00	0.00E+00	8.84E-11	1.71E-09	1.22E-02	0.00E+00	0.00E+00	0.00E+00	4.46E-04	1.77E-01	7.04E-41	0.00E+00	7.71E-09	2.59E-07	4.13E-02	1.26E-04	9.36E-02	0.00E+00	7.04E-01	1.94E-07	7.04E-01	7.04E-01	9.36E-02	0.00E+00	0.00E+00	0.00E+00	1.91E-02
FW624FT	2.98E-02	4.87E-05	0.00E+00	4.87E-04	0.00E+00	0.00E+00	3.06E-03	1.75E-06	1.35E-02	1.52E-01	0.00E+00	0.00E+00	8.22E-11	1.59E-09	1.14E-02	0.00E+00	0.00E+00	0.00E+00	4.00E-04	1.64E-01	6.92E-41	0.00E+00	7.15E-09	2.41E-07	3.85E-02	1.17E-04	8.74E-02	0.00E+00	6.92E-01	1.64E-07	6.92E-01	6.92E-01	8.74E-02	0.00E+00	0.00E+00	0.00E+00	1.74E-02
FW624WT	3.19E-02	5.04E-05	0.00E+00	5.04E-04	0.00E+00	0.00E+00	3.30E-03	1.89E-06	1.50E-02	1.64E-01	0.00E+00	0.00E+00	8.86E-11	1.71E-09	1.23E-02	0.00E+00	0.00E+00	0.00E+00	4.46E-04	1.77E-01	7.04E-41	0.00E+00	7.72E-09	2.60E-07	4.14E-02	1.26E-04	9.36E-02	0.00E+00	7.04E-01	1.94E-07	7.04E-01	7.04E-01	9.36E-02	0.00E+00	0.00E+00	0.00E+00	1.92E-02
FW636FT	4.08E-02	6.44E-05	0.00E+00	6.44E-04	0.00E+00	0.00E+00	4.22E-03	2.42E-06	1.91E-02	2.10E-01	0.00E+00	0.00E+00	1.13E-10	2.19E-09	1.57E-02	0.00E+00	0.00E+00	0.00E+00	5.70E-04	2.26E-01	8.99E-41	0.00E+00	9.86E-09	3.32E-07	5.30E-02	1.61E-04	1.26E-01	0.00E+00	8.99E-01	2.24E-07	8.99E-01	8.99E-01	1.26E-01	0.00E+00	0.00E+00	0.00E+00	3.45E-02
FWB31D1	9.61E-03	9.05E-01	0.00E+00	9.05E-01	0.00E+00	0.00E+00	5.94E-01	3.42E-01	2.69E-03	2.95E-02	0.00E+00	0.00E+00	1.59E-11	3.08E-10	2.21E-03	0.00E+00	0.00E+00	0.00E+00	8.01E-05	3.18E-02	1.28E-41	0.00E+00	1.39E-09	4.67E-08	7.46E-03	2.27E-05	1.69E-02	0.00E+00	1.28E-01	3.57E-08	1.28E-01	1.27E-01	1.69E-02	0.00E+00	0.00E+00	0.00E+00	3.44E-03
FWB31S	8.04E-03	1.26E-05	0.00E+00	1.26E-05	0.00E+00	0.00E+00	8.28E-01	4.74E-01	3.75E-03	4.12E-02	0.00E+00	0.00E+00	2.22E-11	4.30E-10	3.08E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-04	4.44E-02	1.76E-41	0.00E+00	1.94E-09	6.51E-08	1.04E-02	3.16E-05	2.33E-02	0.00E+00	1.76E-01	4.98E-08	1.76E-01	1.77E-01	2.33E-02	0.00E+00	0.00E+00	0.00E+00	4.83E-03
FWB32D1	7.96E-03	1.19E-05	0.00E+00	1.19E-05	0.00E+00	0.00E+00	7.82E-01	4.46E-01	3.54E-03	3.95E-02	0.00E+00	0.00E+00	2.10E-11	4.06E-10	2.91E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-04	4.19E-02	1.66E-41	0.00E+00	1.83E-09	6.19E-08	9.39E-03	2.92E-05	2.00E+00	0.00E+00	1.66E-01	4.70E-08	1.66E-01	1.67E-01	2.22E-02	0.00E+00	0.00E+00	0.00E+00	4.53E-03
FWB32M2	1.39E-02	2.14E-05	0.00E+00	2.14E-04	0.00E+00	0.00E+00	1.49E-03	8.02E-07	6.35E-03	6.97E-02	0.00E+00	0.00E+00	3.79E-11	7.27E-10	5.21E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-04	7.91E-02	2.99E-41	0.00E+00	3.26E-09	1.15E-07	1.79E-02	5.35E-05	3.98E-02	0.00E+00	2.99E-01	8.42E-08	2.99E-01	2.99E-01	3.98E-02	0.00E+00	0.00E+00	0.00E+00	8.12E-03
FWB32S	1.25E-02	1.98E-05	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.30E-03	7.43E-07	5.88E-03	6.45E-02	0.00E+00	0.00E+00	3.48E-11	6.73E-10	4.82E-03	0.00E+00	0.00E+00	0.00E+00	1.75E-04	6.95E-02	2.78E-41	0.00E+00	3.04E-09	1.02E-07	1.43E-02	4.94E-05	3.65E-02	0.00E+00	2.78E-01	7.80E-08	2.78E-01	2.78E-01	3.65E-02	0.00E+00	0.00E+00	0.00E+00	7.52E-03
FWB34S	2.30E-02	3.66E-05	0.00E+00	3.66E-04	0.00E+00	0.00E+00	2.49E-03	1.37E-06	1.09E-02	1.19E-01	0.00E+00	0.00E+00	6.44E-11	1.25E-09	8.72E-03	0.00E+00	0.00E+00	0.00E+00	3.24E-04	1.29E-01	5.11E-41	0.00E+00	5.61E-09	1.93E-07	3.01E-02	9.18E-05	6.82E-02	0.00E+00	5.11E-01	1.44E-07	5.11E-01	5.11E-01	6.82E-02	0.00E+00	0.00E+00	0.00E+00	1.39E-02
FWB41D1	7.55E-03	1.12E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	7.37E-01	4.21E-01	3.33E-03	3.59E-02	0.00E+00	0.00E+00	1.97E-11	3.81E-10	2.82E-03	0.00E+00	0.00E+00	0.00E+00	1.17E-04	4.60E-02	1.95E-41	0.00E+00	1.59E-09	5.30E-08	8.20E-03	2.60E-05	2.00E+00	0.00E+00	1.59E-01	4.41E-08	1.59E-01	1.59E-01	2.00E+00	0.00E+00	0.00E+00	4.26E-03	
FWB41S	1.08E-02	1.79E-05	0.00E+00	1.79E-04	0.00E+00	0.00E+00	1.11E-03	6.38E-07	5.05E-03	5.54E-02	0.00E+00	0.00E+00	2.99E-11	5.79E-10	4.14E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-04	5.97E-02	2.37E-41	0.00E+00	2.61E-09	8.79E-08	1.40E-02	4.25E-05	3.17E-02	0.00E+00	2.37E-01	6.79E-08	2.37E-01	2.38E-01	3.17E-02	0.00E+00	0.00E+00	0.00E+00	6.46E-03
FWB42D1	8.29E-03	1.31E-05	0.00E+00	1.31E-04	0.00E+00	0.00E+00	8.58E-01	4.91E-01	3.89E-03	4.26E-02	0.00E+00	0.00E+00	2.30E-11	4.45E-10	3.19E-03	0.00E+00	0.00E+00	0.00E+00	1.16E-04	4.69E-02	1.83E-41	0.00E+00	2.07E-09	6.74E-08	1.08E-02	3.27E-05	2.44E-02	0.00E+00	1.83E-01	5.15E-08	1.83E-01	1.83E-01	2.44E-02	0.00E+00	0.00E+00	0.00E+00	4.97E-03
FWB42K1	1.70E-02	2.91E-05	0.00E+00	2.91E-04	0.00E+00	0.00E+00	1.65E-03	8.43E-07	7.46E-03	8.19E-02	0.00E+00	0.00E+00	4.42E-11	8.55E-10	6.12E-03	0.00E+00	0.00E+00	0.00E+00	2.22E-04	8.83E-02	3.51E-41	0.00E+00	3.85E-09	1.30E-07	2.07E-02	6.23E-05	4.66E-02	0.00E+00	3.51E-01	9.95E-08	3.51E-01	3.51E-01	4.66E-02	0.00E+00	0.00E+00	0.00E+00	9.53E-03
FWB42K5	1.96E-02	3.23E-05	0.00E+00	3.23E-04	0.00E+00	0.00E+00	1.85E-03	9.46E-07	8.20E-03	8.73E-02	0.00E+00	0.00E+00	4.84E-11	9.59E-10	6.65E-03	0.00E+00	0.00E+00	0.00E+00	2.42E-04	9.18E-02	3.93E-41	0.00E+00	4.39E-09	1.50E-07	2.27E-02	6.78E-05	4.97E-02	0.00E+00	3.93E-01	1.03E-07	3.93E-01	3.93E-01	4.97E-02	0.00E+00	0.00E+00	0.00E+00	9.93E-03
FWB42M2	1.66E-02	2.81E-05	0.00E+00	2.81E-04	0.00E+00	0.00E+00	1.71E-03	8.81E-07	7.77E-03	8.52E-02	0.00E+00	0.00E+00	4.06E-11	8.89E-10	6.37E-03	0.00E+00	0.00E+00	0.00E+00	2.31E-04	8.19E-02	3.09E-41	0.00E+00	4.01E-09	1.33E-07	2.15E-02	6.54E-05	4.87E-02	0.00E+00	3.09E-01	1.03E-07	3.09E-01	3.09E-01	4.87E-02	0.00E+00	0.00E+00	0.00E+00	9.30E-03
FWB42P2	1.47E-02	2.37E-05	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.52E-03	8.69E-07	6.88E-03	7.59E-02	0.00E+00	0.00E+00	3.99E-11	4.07E-10	7.89E-03	0.00E+00	0.00E+00	0.00E+00	2.05E-04	8.13E-02	3.23E-41	0.00E+00	3.56E-09	1.19E-07	1.90E-02	5.79E-05	4.31E-02	0.00E+00	3.23E-01	9.12E-08	3.23E-01	3.24E-01	4.31E-02	0.00E+00	0.00E+00	0.00E+00	8.80E-03
FWB42S	1.67E-02	2.83E-05	0.00E+00	2.83E-04	0.00E+00	0.00E+00	1.72E-03	9.86E-07	7.92E-03	8.59E-02	0.00E+00	0.00E+00	4.63E-11	8.99E-10	6.41E-03	0.00E+00	0.00E+00	0.00E+00	2.33E-04	8.24E-02	3.67E-41	0.00E+00	4.04E-09	1.36E-07	2.16E-02	6.58E-05	4.90E-02	0.00E+00	3.67E-01	1.04E-07	3.67E-01	3.68E-01	4.90E-02	0.00E+0			

FWQ52P1	1.56E-03	2.46E-03	0.00E+00	2.46E-03	0.00E+00	0.00E+00	1.62E-03	9.25E-01	7.32E-03	8.03E-02	0.00E+00	0.00E+00	4.34E-11	8.39E-10	6.01E-03	0.00E+00	0.00E+00	0.00E+00	2.18E-04	8.88E-02	3.44E-01	0.00E+00	3.78E-09	1.37E-01	2.03E-02	6.17E-05	4.95E-02	0.00E+00	3.44E-01	9.71E-08	3.44E-01	3.45E-01	4.95E-02	0.00E+00	0.00E+00	0.00E+00	9.37E-03
FWQ53P	2.89E-02	4.15E-03	0.00E+00	4.15E-03	0.00E+00	0.00E+00	2.69E-03	1.54E-08	1.22E-02	1.34E-01	0.00E+00	0.00E+00	7.21E-11	1.45E-08	1.00E-02	0.00E+00	0.00E+00	0.00E+00	3.63E-04	1.44E-01	5.73E-01	0.00E+00	6.29E-09	2.11E-07	3.37E-02	1.03E-04	7.84E-02	0.00E+00	9.73E-01	1.62E-07	5.73E-01	5.73E-01	7.84E-02	0.00E+00	0.00E+00	0.00E+00	1.56E-02
FWQ54P	3.67E-02	5.43E-03	0.00E+00	5.43E-03	0.00E+00	0.00E+00	3.58E-03	2.04E-08	1.81E-02	1.77E-01	0.00E+00	0.00E+00	9.98E-11	1.85E-08	1.33E-02	0.00E+00	0.00E+00	0.00E+00	4.81E-04	1.91E-01	7.99E-01	0.00E+00	8.34E-09	2.80E-07	4.47E-02	1.36E-04	1.01E-01	0.00E+00	7.99E-01	2.14E-07	7.99E-01	7.99E-01	1.01E-01	0.00E+00	0.00E+00	0.00E+00	2.07E-02
FWQ62P	3.25E-02	3.54E-03	0.00E+00	3.54E-03	0.00E+00	0.00E+00	2.32E-03	1.33E-08	1.05E-02	1.15E-01	0.00E+00	0.00E+00	6.23E-11	1.21E-08	8.84E-03	0.00E+00	0.00E+00	0.00E+00	3.13E-04	1.24E-01	6.79E-01	0.00E+00	5.43E-09	1.83E-07	2.91E-02	8.89E-05	6.60E-02	0.00E+00	4.99E-01	1.40E-07	4.99E-01	4.99E-01	6.60E-02	0.00E+00	0.00E+00	0.00E+00	3.00E-02
FWQ63P	3.85E-02	4.82E-03	0.00E+00	4.82E-03	0.00E+00	0.00E+00	3.15E-03	1.81E-08	1.43E-02	1.47E-01	0.00E+00	0.00E+00	8.48E-11	1.61E-08	1.16E-02	0.00E+00	0.00E+00	0.00E+00	5.46E-04	1.80E-01	8.79E-01	0.00E+00	6.74E-09	2.49E-07	4.74E-02	1.40E-04	8.86E-02	0.00E+00	6.73E-01	1.90E-07	6.73E-01	6.73E-01	8.86E-02	0.00E+00	0.00E+00	0.00E+00	1.83E-02
FWQ64P	4.23E-02	6.29E-03	0.00E+00	6.29E-03	0.00E+00	0.00E+00	4.10E-03	2.35E-08	1.88E-02	2.04E-01	0.00E+00	0.00E+00	1.10E-10	2.13E-08	1.53E-02	0.00E+00	0.00E+00	0.00E+00	5.54E-04	2.20E-01	8.74E-01	0.00E+00	9.60E-09	3.23E-07	5.15E-02	1.57E-04	1.17E-01	0.00E+00	8.74E-01	2.47E-07	8.74E-01	8.75E-01	1.17E-01	0.00E+00	0.00E+00	0.00E+00	2.36E-02
FWQ74P	4.91E-02	7.12E-03	0.00E+00	7.12E-03	0.00E+00	0.00E+00	4.87E-03	2.87E-08	2.12E-02	2.32E-01	0.00E+00	0.00E+00	1.29E-10	2.42E-08	1.74E-02	0.00E+00	0.00E+00	0.00E+00	6.36E-04	2.59E-01	9.95E-01	0.00E+00	1.05E-08	3.87E-07	5.86E-02	1.78E-04	1.33E-01	0.00E+00	9.95E-01	2.81E-07	9.95E-01	9.95E-01	1.33E-01	0.00E+00	0.00E+00	0.00E+00	2.71E-02
FWU31L	5.98E-03	8.80E-01	0.00E+00	8.80E-01	0.00E+00	0.00E+00	5.77E-01	3.32E-07	2.62E-03	2.87E-02	0.00E+00	1.95E-11	3.05E-10	2.15E-03	0.00E+00	0.00E+00	0.00E+00	7.79E-05	3.09E-02	1.92E-01	0.00E+00	1.32E-09	4.34E-08	7.24E-03	2.20E-16	1.64E-02	0.00E+00	1.23E-01	3.47E-08	1.23E-01	1.23E-01	1.64E-02	0.00E+00	0.00E+00	0.00E+00	3.35E-03	
FWU31S	8.19E-03	1.46E-03	0.00E+00	1.46E-03	0.00E+00	0.00E+00	9.77E-01	5.25E-07	4.18E-03	4.46E-02	0.00E+00	2.46E-11	7.40E-10	3.51E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-04	5.08E-02	2.01E-01	0.00E+00	2.21E-09	7.43E-08	1.18E-03	3.61E-05	2.89E-02	0.00E+00	2.01E-01	5.68E-08	2.01E-01	2.01E-01	2.89E-02	0.00E+00	0.00E+00	0.00E+00	5.48E-03	
FWU32L	7.07E-03	1.11E-03	0.00E+00	1.11E-03	0.00E+00	0.00E+00	7.37E-01	4.15E-07	3.31E-03	3.63E-02	0.00E+00	1.96E-11	7.39E-10	2.72E-03	0.00E+00	0.00E+00	0.00E+00	9.87E-05	3.92E-02	1.98E-01	0.00E+00	1.71E-09	5.73E-08	9.17E-03	2.78E-05	2.08E-02	0.00E+00	1.98E-01	4.39E-08	1.98E-01	1.98E-01	2.08E-02	0.00E+00	0.00E+00	0.00E+00	4.24E-03	
FWU32M2	1.45E-02	2.28E-03	0.00E+00	2.28E-03	0.00E+00	0.00E+00	1.50E-03	8.56E-07	8.78E-03	7.44E-02	0.00E+00	0.00E+00	4.01E-11	7.76E-10	5.56E-03	0.00E+00	0.00E+00	0.00E+00	2.02E-04	8.01E-02	3.19E-01	0.00E+00	3.50E-09	1.18E-07	1.88E-03	5.71E-05	4.25E-02	0.00E+00	3.19E-01	8.99E-08	3.19E-01	3.19E-01	4.25E-02	0.00E+00	0.00E+00	0.00E+00	8.87E-03
FWU32S	1.39E-02	2.18E-03	0.00E+00	2.18E-03	0.00E+00	0.00E+00	1.43E-03	8.21E-07	8.49E-03	7.12E-02	0.00E+00	0.00E+00	3.94E-11	7.44E-10	5.32E-03	0.00E+00	0.00E+00	0.00E+00	1.93E-04	7.88E-02	3.05E-01	0.00E+00	3.35E-09	1.12E-07	1.80E-03	5.47E-05	4.07E-02	0.00E+00	3.05E-01	8.61E-08	3.05E-01	3.05E-01	4.07E-02	0.00E+00	0.00E+00	0.00E+00	8.31E-03
FWU33S	1.29E-02	2.09E-03	0.00E+00	2.09E-03	0.00E+00	0.00E+00	1.36E-03	7.95E-07	8.08E-03	6.74E-02	0.00E+00	0.00E+00	3.76E-11	7.02E-10	5.05E-03	0.00E+00	0.00E+00	0.00E+00	1.84E-04	1.00E-01	4.17E-01	0.00E+00	3.45E-09	1.14E-07	1.74E-03	5.07E-05	3.95E-02	0.00E+00	4.17E-01	1.18E-07	4.17E-01	4.18E-01	5.07E-05	0.00E+00	0.00E+00	0.00E+00	8.11E-03
FWU41L	6.99E-02	1.09E-03	0.00E+00	1.09E-03	0.00E+00	0.00E+00	7.14E-01	4.03E-07	3.24E-03	3.55E-02	0.00E+00	1.93E-11	3.71E-10	2.85E-03	0.00E+00	0.00E+00	0.00E+00	9.64E-05	3.83E-02	1.92E-01	0.00E+00	1.67E-09	5.61E-08	8.95E-03	2.73E-05	2.03E-02	0.00E+00	1.92E-01	4.29E-08	1.92E-01	1.92E-01	2.03E-02	0.00E+00	0.00E+00	0.00E+00	4.14E-03	
FWU41S	1.08E-02	1.71E-03	0.00E+00	1.71E-03	0.00E+00	0.00E+00	1.12E-03	6.41E-07	5.07E-03	5.57E-02	0.00E+00	0.00E+00	3.00E-11	8.81E-10	4.16E-03	0.00E+00	0.00E+00	0.00E+00	1.51E-04	6.00E-02	2.38E-01	0.00E+00	2.62E-09	8.80E-08	1.40E-03	4.27E-05	3.16E-02	0.00E+00	2.38E-01	6.73E-08	2.38E-01	2.39E-01	3.16E-02	0.00E+00	0.00E+00	0.00E+00	6.45E-03
FWU41S1	1.08E-02	1.71E-03	0.00E+00	1.71E-03	0.00E+00	0.00E+00	1.12E-03	6.41E-07	5.07E-03	5.57E-02	0.00E+00	0.00E+00	3.00E-11	8.81E-10	4.16E-03	0.00E+00	0.00E+00	0.00E+00	1.51E-04	6.00E-02	2.38E-01	0.00E+00	2.62E-09	8.80E-08	1.40E-03	4.27E-05	3.16E-02	0.00E+00	2.38E-01	6.73E-08	2.38E-01	2.39E-01	3.16E-02	0.00E+00	0.00E+00	0.00E+00	6.45E-03
FWU42K	1.99E-02	3.69E-03	0.00E+00	3.69E-03	0.00E+00	0.00E+00	1.01E-03	5.01E-07	3.76E-03	4.08E-02	0.00E+00	0.00E+00	4.73E-11	9.14E-10	6.58E-03	0.00E+00	0.00E+00	0.00E+00	3.94E-05	1.59E-01	3.79E-01	0.00E+00	4.12E-09	1.39E-07	2.21E-02	6.75E-05	5.01E-02	0.00E+00	3.79E-01	1.06E-07	3.79E-01	3.79E-01	5.01E-02	0.00E+00	0.00E+00	0.00E+00	1.69E-02
FWU42K1	1.76E-02	2.77E-03	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.82E-03	1.04E-08	8.24E-03	9.04E-02	0.00E+00	4.88E-11	9.44E-10	6.78E-03	0.00E+00	0.00E+00	0.00E+00	2.46E-04	9.75E-02	3.87E-01	0.00E+00	4.26E-09	1.43E-07	2.28E-02	6.94E-05	5.17E-02	0.00E+00	3.87E-01	1.09E-07	3.87E-01	3.88E-01	5.17E-02	0.00E+00	0.00E+00	0.00E+00	1.65E-02	
FWU42K2	1.76E-02	2.77E-03	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.82E-03	1.04E-08	8.24E-03	9.04E-02	0.00E+00	4.88E-11	9.44E-10	6.78E-03	0.00E+00	0.00E+00	0.00E+00	2.46E-04	9.75E-02	3.87E-01	0.00E+00	4.26E-09	1.43E-07	2.28E-02	6.94E-05	5.17E-02	0.00E+00	3.87E-01	1.09E-07	3.87E-01	3.88E-01	5.17E-02	0.00E+00	0.00E+00	0.00E+00	1.65E-02	
FWU42K3	1.76E-02	2.77E-03	0.00E+00	2.77E-03	0.00E+00	0.00E+00	1.82E-03	1.04E-08	8.24E-03	9.04E-02	0.00E+00	4.88E-11	9.44E-10	6.78E-03	0.00E+00	0.00E+00	0.00E+00	2.46E-04	9.75E-02	3.87E-01	0.00E+00	4.26E-09	1.43E-07	2.28E-02	6.94E-05	5.17E-02	0.00E+00	3.87E-01	1.09E-07	3.87E-01	3.88E-01	5.17E-02	0.00E+00	0.00E+00	0.00E+00	1.65E-02	
FWU42L	1.85E-02	3.17E-03	0.00E+00	3.17E-03	0.00E+00	0.00E+00	9.99E-01	5.15E-07	4.08E-03	4.47E-02	0.00E+00	2.41E-11	6.87E-10	3.64E-03	0.00E+00	0.00E+00	0.00E+00	1.24E-04	5.38E-02	1.92E-01	0.00E+00	4.18E-09	1.41E-08	2.24E-03	6.82E-05	5.08E-02	0.00E+00	1.92E-01	5.07E-08	1.92E-01	1.92E-01	5.08E-02	0.00E+00	0.00E+00	0.00E+00	1.94E-02	
FWU42M2	1.85E-02	3.17E-03	0.00E+00	3.17E-03	0.00E+00	0.00E+00	9.99E-01	5.15E-07	4.08E-03	4.47E-02	0.00E+00	2.41E-11	6.87E-10	3.64E-03	0.00E+00	0.00E+00	0.00E+00	1.24E-04	5.38E-02	1.92E-01	0.00E+00	4.18E-09	1.41E-08	2.24E-03	6.82E-05	5.08E-02	0.00E+00	1.92E-01	5.07E-08	1.92E-01	1.92E-01	5.08E-02	0.00E+00	0.00E+00	0.00E+00	1.94E-02	
FWU42S1	1.65E-02	2.62E-03	0.00E+00	2.62E-03	0.00E+00	0.00E+00	1.73E-03	9.79E-07	7.72E-03	8.47E-02	0.00E+00	0.00E+00	4.57E-11	8.84E-10	6.33E-03	0.00E+00	0.00E+00	0.00E+00	2.38E-04	9.13E-02	3.63E-01	0.00E+00	3.99E-09	1.34E-07	2.14E-02	6.50E-05	4.94E-02	0.00E+00	3.63E-01	1.02E-07	3.63E-01	3.63E-01	4.94E-02	0.00E+00	0.00E+00	0.00E+00	8.98E-03
FWU43K	2.43E-02	3.84E-03	0.00E+00	3.84E-03	0.00E+00	0.00E+00	2.52E-03	1.44E-08	1.14E-02	1.23E-01	0.00E+00	0.00E+00	6.73E-11	1.31E-08	9.36E-03	0.00E+00	0.00E+00	0.00E+00	3.45E-04	1.33E-01	5.98E-01	0.00E+00	5.88E-09	1.98E-07	3.16E-03	9.60E-05	7.18E-02	0.00E+00	5.98E-01	1.51E-07	5.98E-01	5.98E-01	7.18E-02	0.00E+00	0.00E+00	0.00E+00	1.46E-02
FWU43S	2.39E-02	3.71E-03	0.00E+00	3.71E-03	0.00E+00	0.00E+00	2.44E-03	1.39E-08	1.10E-02	1.21E-01	0.00E+00	0.00E+00	6.53E-11	1.28E-08	9.04E-03	0.00E+00	0.00E+00	0.00E+00	3.29E-04	1.30E-01	5.81E-01	0.00E+00	5.70E-09	1.91E-07	3.05E-03	9.32E-05	6.92E-02	0.00E+00	5.81E-01	1.47E-07	5.81E-01	5.81E-01	6.92E-02	0.00E+00	0.00E+00	0.00E+00	1.41E-02
FWU51L	7.99E-03</																																				

KU33AHZ	9.50E-01	1.50E-00	0.00E+00	1.50E-00	0.00E+00	0.00E+00	9.83E-01	5.63E-01	4.45E-03	4.89E-02	0.00E+00	0.00E+00	2.64E-11	5.10E-10	3.66E-03	0.00E+00	0.00E+00	0.00E+00	1.33E-04	5.27E-02	2.09E-41	0.00E+00	2.30E-09	7.73E-08	1.23E-02	3.75E-05	2.79E-02	0.00E+00	2.00E-41	5.91E-08	2.09E-41	2.10E-01	2.79E-02	0.00E+00	0.00E+00	0.00E+00	5.70E-03
KU33LHE	6.89E-04	1.06E-01	0.00E+00	1.06E-01	0.00E+00	0.00E+00	7.10E-02	4.07E-08	3.22E-04	3.53E-03	0.00E+00	0.00E+00	1.39E-12	3.66E-11	2.84E-04	0.00E+00	0.00E+00	0.00E+00	9.58E-08	3.60E-03	1.15E-40	0.00E+00	1.66E-10	5.59E-08	6.93E-04	2.71E-06	2.02E-03	0.00E+00	1.51E-03	4.27E-08	1.51E-40	1.51E-01	2.02E-03	0.00E+00	0.00E+00	0.00E+00	4.12E-04
KU33OHZGB	7.04E-03	1.24E+00	0.00E+00	1.24E+00	0.00E+00	0.00E+00	8.10E-01	4.64E-01	3.67E-03	4.00E-02	0.00E+00	0.00E+00	2.17E-11	4.21E-10	3.01E-03	0.00E+00	0.00E+00	0.00E+00	1.00E-04	4.34E-02	1.73E-41	0.00E+00	1.50E-09	6.37E-08	1.02E-02	3.09E-05	2.36E-02	0.00E+00	1.73E-01	4.87E-08	1.73E-01	1.73E-01	3.00E-02	0.00E+00	0.00E+00	0.00E+00	4.70E-03
KU33VGAZ	1.01E-02	1.59E+00	0.00E+00	1.59E+00	0.00E+00	0.00E+00	1.64E-01	5.97E-01	4.72E-03	5.19E-02	0.00E+00	0.00E+00	2.80E-11	5.41E-10	3.86E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-04	5.95E-02	2.22E-41	0.00E+00	2.44E-09	8.20E-08	1.31E-02	3.96E-05	2.96E-02	0.00E+00	2.22E-01	6.37E-08	2.22E-01	1.22E-01	2.96E-02	0.00E+00	0.00E+00	0.00E+00	6.94E-03
KU33VGLZ	6.00E-01	1.04E+00	0.00E+00	1.04E+00	0.00E+00	0.00E+00	1.03E-01	3.31E-01	3.00E-03	3.30E-02	0.00E+00	0.00E+00	1.83E-11	3.54E-10	2.54E-03	0.00E+00	0.00E+00	0.00E+00	9.21E-08	5.37E-08	3.86E-41	0.00E+00	1.60E-09	5.37E-08	8.56E-03	2.81E-05	1.94E-02	0.00E+00	1.44E-01	4.10E-08	1.44E-01	1.44E-01	3.00E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-03
KU40XXE	2.18E-04	3.44E-02	0.00E+00	3.44E-02	0.00E+00	0.00E+00	2.26E-02	1.23E-08	1.02E-04	1.12E-03	0.00E+00	0.00E+00	6.05E-13	1.17E-11	8.39E-05	0.00E+00	0.00E+00	0.00E+00	3.02E-08	1.21E-03	4.80E-01	0.00E+00	5.26E-11	1.77E-02	2.63E-04	6.81E-07	6.41E-04	0.00E+00	4.80E-01	1.36E-08	4.80E-01	4.81E-01	6.41E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04
KU73S20	1.19E-03	1.87E-01	0.00E+00	1.87E-01	0.00E+00	0.00E+00	1.23E-01	7.05E-08	5.95E-04	6.10E-03	0.00E+00	0.00E+00	3.29E-12	6.37E-11	4.56E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-05	6.54E-03	2.81E-40	0.00E+00	2.87E-10	9.85E-08	1.54E-03	4.68E-06	3.48E-03	0.00E+00	2.81E-01	7.38E-07	2.81E-01	2.82E-01	3.48E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-04
KU73S50	1.40E-03	2.23E-01	0.00E+00	2.23E-01	0.00E+00	0.00E+00	1.50E-01	8.62E-08	6.92E-04	7.49E-03	0.00E+00	0.00E+00	4.94E-12	7.81E-11	5.62E-04	0.00E+00	0.00E+00	0.00E+00	2.02E-05	8.09E-03	3.40E-40	0.00E+00	3.52E-10	1.19E-08	1.89E-03	5.74E-06	4.28E-03	0.00E+00	3.20E-01	9.40E-07	3.20E-01	3.20E-01	4.28E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-04
KU73S60	2.03E-03	3.17E-01	0.00E+00	3.17E-01	0.00E+00	0.00E+00	2.00E-01	1.20E-07	9.54E-04	1.05E-02	0.00E+00	0.00E+00	5.05E-12	1.00E-10	7.00E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-05	1.13E-02	4.48E-40	0.00E+00	4.28E-10	1.85E-08	2.84E-03	8.08E-06	5.90E-03	0.00E+00	4.48E-01	1.24E-07	4.48E-01	4.48E-01	5.90E-03	0.00E+00	0.00E+00	0.00E+00	8.27E-04
KU76S20	1.33E-03	2.10E-01	0.00E+00	2.10E-01	0.00E+00	0.00E+00	1.38E-01	7.91E-08	6.28E-04	6.66E-03	0.00E+00	0.00E+00	3.70E-12	7.17E-11	5.13E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-05	7.40E-03	2.94E-40	0.00E+00	3.22E-10	1.09E-08	1.73E-03	5.27E-06	3.92E-03	0.00E+00	2.94E-01	8.30E-07	2.94E-01	3.92E-03	0.00E+00	0.00E+00	0.00E+00	8.00E-04	
KU83CHZGB	1.27E-02	2.01E+00	0.00E+00	2.01E+00	0.00E+00	0.00E+00	1.32E+00	7.54E-01	5.96E-03	6.54E-02	0.00E+00	0.00E+00	3.33E-11	6.30E-10	4.89E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-04	7.05E-02	2.93E-41	0.00E+00	3.09E-09	1.03E-07	1.85E-03	5.02E-05	3.74E-02	0.00E+00	2.93E-01	7.91E-08	2.93E-01	2.91E-01	1.74E-02	0.00E+00	0.00E+00	0.00E+00	7.63E-03
U961N	1.14E-03	1.79E-01	0.00E+00	1.79E-01	0.00E+00	0.00E+00	1.17E-01	6.73E-08	5.32E-04	5.84E-03	0.00E+00	0.00E+00	3.15E-12	6.10E-11	4.37E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-05	6.30E-03	2.95E-40	0.00E+00	2.78E-10	9.24E-08	1.47E-03	4.48E-06	3.34E-03	0.00E+00	2.95E-01	7.69E-07	2.95E-01	2.91E-01	3.34E-03	0.00E+00	0.00E+00	0.00E+00	6.81E-04
U96N	1.46E-03	2.32E-01	0.00E+00	2.32E-01	0.00E+00	0.00E+00	1.51E-01	8.64E-08	6.84E-04	7.16E-03	0.00E+00	0.00E+00	4.05E-12	7.83E-11	5.61E-04	0.00E+00	0.00E+00	0.00E+00	2.04E-05	8.09E-03	3.21E-40	0.00E+00	3.55E-10	1.19E-08	1.89E-03	5.74E-06	4.29E-03	0.00E+00	3.21E-01	9.07E-07	3.21E-01	3.22E-01	4.29E-03	0.00E+00	0.00E+00	0.00E+00	8.75E-04
U97N	2.24E-03	3.53E-01	0.00E+00	3.53E-01	0.00E+00	0.00E+00	2.03E-01	1.30E-07	1.05E-03	1.15E-02	0.00E+00	0.00E+00	6.21E-12	1.20E-10	8.61E-04	0.00E+00	0.00E+00	0.00E+00	3.11E-05	1.24E-02	4.93E-40	0.00E+00	5.42E-10	1.82E-08	2.94E-03	8.16E-06	5.90E-03	0.00E+00	4.93E-01	1.35E-08	4.93E-01	4.94E-01	5.90E-03	0.00E+00	0.00E+00	0.00E+00	1.30E-04
UC11BA	4.02E-04	6.34E-02	0.00E+00	6.34E-02	0.00E+00	0.00E+00	4.16E-02	2.30E-08	1.89E-04	2.07E-03	0.00E+00	0.00E+00	1.12E-12	2.16E-11	1.55E-04	0.00E+00	0.00E+00	0.00E+00	5.61E-08	2.22E-03	8.85E-01	0.00E+00	9.75E-11	3.27E-08	5.21E-04	1.59E-06	1.16E-03	0.00E+00	8.85E-01	2.55E-08	8.85E-01	8.87E-01	1.16E-03	0.00E+00	0.00E+00	0.00E+00	2.41E-04
UC12BA	6.67E-04	1.05E-01	0.00E+00	1.05E-01	0.00E+00	0.00E+00	6.60E-02	3.89E-08	3.12E-04	3.43E-03	0.00E+00	0.00E+00	1.85E-12	3.55E-11	2.56E-04	0.00E+00	0.00E+00	0.00E+00	9.31E-08	3.70E-03	1.47E-40	0.00E+00	1.61E-10	5.42E-08	8.65E-04	2.63E-06	1.86E-03	0.00E+00	1.47E-01	4.14E-08	1.47E-01	1.47E-01	1.86E-03	0.00E+00	0.00E+00	0.00E+00	4.00E-04
UC21LH0	1.33E-03	2.10E-01	0.00E+00	2.10E-01	0.00E+00	0.00E+00	1.38E-01	7.89E-08	6.28E-04	6.66E-03	0.00E+00	0.00E+00	3.70E-12	7.17E-11	5.13E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-05	7.36E-03	2.93E-40	0.00E+00	3.22E-10	1.09E-08	1.73E-03	5.27E-06	3.92E-03	0.00E+00	2.93E-01	8.29E-07	2.93E-01	2.94E-01	3.92E-03	0.00E+00	0.00E+00	0.00E+00	7.99E-04
UC21LH1	1.33E-03	2.10E-01	0.00E+00	2.10E-01	0.00E+00	0.00E+00	1.38E-01	7.89E-08	6.28E-04	6.66E-03	0.00E+00	0.00E+00	3.70E-12	7.17E-11	5.13E-04	0.00E+00	0.00E+00	0.00E+00	1.86E-05	7.36E-03	2.93E-40	0.00E+00	3.22E-10	1.09E-08	1.73E-03	5.27E-06	3.92E-03	0.00E+00	2.93E-01	8.29E-07	2.93E-01	2.94E-01	3.92E-03	0.00E+00	0.00E+00	0.00E+00	7.99E-04
UC21ST0	1.25E-03	1.97E-01	0.00E+00	1.97E-01	0.00E+00	0.00E+00	1.29E-01	7.39E-08	5.85E-04	6.41E-03	0.00E+00	0.00E+00	3.46E-12	6.70E-11	4.80E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-05	6.91E-03	2.79E-40	0.00E+00	3.02E-10	1.01E-08	1.62E-03	4.92E-06	3.67E-03	0.00E+00	2.79E-01	7.75E-07	2.79E-01	2.79E-01	3.67E-03	0.00E+00	0.00E+00	0.00E+00	7.46E-04
UC21TR2	1.14E-03	1.79E-01	0.00E+00	1.79E-01	0.00E+00	0.00E+00	1.17E-01	6.73E-08	5.32E-04	5.84E-03	0.00E+00	0.00E+00	3.15E-12	6.10E-11	4.37E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-05	6.29E-03	2.95E-40	0.00E+00	2.78E-10	9.24E-08	1.47E-03	4.48E-06	3.34E-03	0.00E+00	2.95E-01	7.69E-07	2.95E-01	2.91E-01	3.34E-03	0.00E+00	0.00E+00	0.00E+00	6.81E-04
UC22BA	1.05E-03	1.66E-01	0.00E+00	1.66E-01	0.00E+00	0.00E+00	1.00E-01	6.24E-08	4.94E-04	5.42E-03	0.00E+00	0.00E+00	2.92E-12	5.62E-11	4.06E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-05	5.84E-03	2.32E-40	0.00E+00	2.56E-10	8.59E-08	1.37E-03	4.16E-06	3.16E-03	0.00E+00	2.32E-01	6.55E-07	2.32E-01	2.32E-01	3.16E-03	0.00E+00	0.00E+00	0.00E+00	6.31E-04
UC22PEN	1.95E-03	2.44E-01	0.00E+00	2.44E-01	0.00E+00	0.00E+00	1.80E-01	9.14E-08	7.27E-04	7.97E-03	0.00E+00	0.00E+00	4.30E-12	8.32E-11	5.96E-04	0.00E+00	0.00E+00	0.00E+00	2.16E-05	8.59E-03	3.42E-40	0.00E+00	3.26E-10	1.26E-08	2.04E-03	5.74E-06	4.12E-03	0.00E+00	3.26E-01	9.15E-07	3.26E-01	3.26E-01	4.12E-03	0.00E+00	0.00E+00	0.00E+00	9.30E-04
UC22RK	1.81E-03	2.85E-01	0.00E+00	2.85E-01	0.00E+00	0.00E+00	1.87E-01	1.07E-07	8.46E-04	9.26E-03	0.00E+00	0.00E+00	5.01E-12	8.96E-11	6.84E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-05	1.00E-02	3.99E-40	0.00E+00	4.37E-10	1.47E-08	2.34E-03	7.13E-06	5.31E-03	0.00E+00	3.99E-01	1.12E-08	3.99E-01	5.31E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03	
UC31LE3	2.74E-03	4.32E-01	0.00E+00	4.32E-01	0.00E+00	0.00E+00	2.83E-01	1.62E-07	1.29E-03	1.41E-02	0.00E+00	0.00E+00	7.60E-12	1.47E-10	1.09E-03	0.00E+00	0.00E+00	0.00E+00	3.62E-05	1.52E-02	6.03E-40	0.00E+00	6.62E-10	2.23E-08	3.55E-03	1.08E-05	8.09E-03	0.00E+00	6.03E-01	1.73E-08	6.03E-01	6.04E-01	3.06E-03	0.00E+00	0.00E+00	0.00E+00	1.64E-03
UC32RK	2.30E-03	3.62E-01	0.00E+00	3.62E-01	0.00E+00	0.00E+00	2.38E-01	1.36E-07	1.08E-03	1.16E-02	0.00E+00	0.00E+00	6.37E-12	1.23E-10	8.83E-04	0.00E+00	0.00E+00	0.00E+00	3.21E-05	1.27E-02	5.06E-40	0.00E+00	5.56E-10	1.87E-08	2.98E-03	9.07E-06	6.76E-03	0.00E+00	5.06E-01	1.43E-08	5.06E-01	5.07E-01	3.75E-03	0.00E+00	0.00E+00	0	

UK31C2	3.18E-03	5.91E-01	0.00E+00	5.01E-01	0.00E+00	0.00E+00	3.29E-01	1.88E-07	1.49E-03	1.63E-02	0.00E+00	0.00E+00	8.81E-12	1.70E-10	1.22E-03	0.00E+00	0.00E+00	0.00E+00	4.43E-05	1.79E-02	7.00E+00	0.00E+00	7.69E-10	2.98E-08	4.12E-03	1.25E-05	9.34E-03	0.00E+00	7.00E+00	1.97E-08	7.00E+00	7.01E+00	9.34E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-03
UL25B9	1.99E-04	2.47E-02	0.00E+00	2.47E-02	0.00E+00	0.00E+00	1.62E-02	9.20E-08	7.33E-05	0.04E-04	0.00E+00	0.00E+00	4.34E-13	8.40E-12	6.01E-05	0.00E+00	0.00E+00	0.00E+00	2.18E-08	8.07E-04	3.44E-01	0.00E+00	3.79E-11	1.27E-08	2.03E-04	6.17E-07	4.60E-04	0.00E+00	3.44E-01	9.72E-10	3.44E-01	3.45E-01	4.60E-04	0.00E+00	0.00E+00	0.00E+00	9.38E-05
UM00H1	5.02E-04	8.87E-02	0.00E+00	8.87E-02	0.00E+00	0.00E+00	5.82E-02	3.33E-08	2.84E-04	2.99E-03	0.00E+00	0.00E+00	1.98E-12	3.02E-11	2.16E-04	0.00E+00	0.00E+00	0.00E+00	7.80E-08	3.12E-03	1.24E+00	0.00E+00	1.36E-10	4.57E-08	7.29E-04	2.22E-06	1.65E-03	0.00E+00	1.24E+00	3.50E-09	1.24E+00	1.24E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	3.37E-04
UM00H2	5.02E-04	9.16E-02	0.00E+00	9.16E-02	0.00E+00	0.00E+00	6.01E-02	3.44E-08	2.72E-04	2.99E-03	0.00E+00	0.00E+00	1.81E-12	3.12E-11	2.23E-04	0.00E+00	0.00E+00	0.00E+00	8.11E-08	3.22E-03	1.29E+00	0.00E+00	1.41E-10	4.72E-08	7.53E-04	2.29E-06	1.71E-03	0.00E+00	1.29E+00	3.61E-09	1.29E+00	1.29E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	3.46E-04
UM00K1	5.02E-04	9.16E-02	0.00E+00	9.16E-02	0.00E+00	0.00E+00	6.01E-02	3.45E-08	2.73E-04	2.99E-03	0.00E+00	0.00E+00	1.82E-12	3.12E-11	2.24E-04	0.00E+00	0.00E+00	0.00E+00	8.12E-08	3.23E-03	1.29E+00	0.00E+00	1.41E-10	4.73E-08	7.54E-04	2.30E-06	1.71E-03	0.00E+00	1.29E+00	3.62E-09	1.29E+00	1.29E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	3.46E-04
UM00K2	5.02E-04	9.26E-02	0.00E+00	9.26E-02	0.00E+00	0.00E+00	6.09E-02	3.49E-08	2.76E-04	3.03E-03	0.00E+00	0.00E+00	1.83E-12	3.16E-11	2.26E-04	0.00E+00	0.00E+00	0.00E+00	8.22E-08	3.26E-03	1.30E+00	0.00E+00	1.43E-10	4.79E-08	7.64E-04	2.32E-06	1.72E-03	0.00E+00	1.30E+00	3.66E-09	1.30E+00	1.30E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00	3.53E-04
UM00M0	2.34E-04	4.47E-02	0.00E+00	4.47E-02	0.00E+00	0.00E+00	2.93E-02	1.68E-08	1.33E-04	1.48E-03	0.00E+00	0.00E+00	7.87E-13	1.52E-11	5.07E-04	0.00E+00	0.00E+00	0.00E+00	3.96E-08	1.57E-03	6.25E-01	0.00E+00	6.86E-11	2.31E-08	3.98E-04	1.12E-06	8.34E-04	0.00E+00	6.25E-01	1.78E-09	6.25E-01	6.26E-01	8.34E-04	0.00E+00	0.00E+00	0.00E+00	1.70E-04
UM00M1	2.34E-04	4.57E-02	0.00E+00	4.57E-02	0.00E+00	0.00E+00	3.01E-02	1.73E-08	1.34E-04	1.48E-03	0.00E+00	0.00E+00	7.92E-13	1.52E-11	5.10E-04	0.00E+00	0.00E+00	0.00E+00	3.99E-08	1.58E-03	6.26E-01	0.00E+00	6.89E-11	2.32E-08	3.99E-04	1.13E-06	8.35E-04	0.00E+00	6.26E-01	1.79E-09	6.26E-01	8.35E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-04	
UM00M2	1.05E-03	1.66E-01	0.00E+00	1.66E-01	0.00E+00	0.00E+00	1.39E-01	7.98E-08	6.30E-04	6.91E-03	0.00E+00	0.00E+00	3.73E-12	7.22E-11	5.07E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-05	7.40E-03	2.94E+00	0.00E+00	3.22E-10	1.09E-08	1.74E-03	5.31E-06	3.95E-03	0.00E+00	2.94E+00	8.36E-09	2.94E+00	2.94E+00	3.95E-03	0.00E+00	0.00E+00	0.00E+00	6.91E-04
UM41UK	1.48E-03	2.34E-01	0.00E+00	2.34E-01	0.00E+00	0.00E+00	1.53E-01	8.78E-08	6.95E-04	7.62E-03	0.00E+00	0.00E+00	4.11E-12	7.95E-11	5.70E-04	0.00E+00	0.00E+00	0.00E+00	2.07E-05	8.21E-03	3.29E+00	0.00E+00	3.59E-10	1.21E-08	1.92E-03	5.85E-06	4.36E-03	0.00E+00	3.29E+00	9.21E-09	3.29E+00	3.27E+00	4.36E-03	0.00E+00	0.00E+00	0.00E+00	8.89E-04
UM51UK	1.81E-03	3.05E-01	0.00E+00	3.05E-01	0.00E+00	0.00E+00	1.87E-01	1.07E-07	8.47E-04	9.30E-03	0.00E+00	0.00E+00	5.02E-12	9.78E-11	6.95E-04	0.00E+00	0.00E+00	0.00E+00	2.52E-05	1.02E-03	3.99E+00	0.00E+00	4.36E-10	1.47E-08	2.34E-03	7.14E-06	5.31E-03	0.00E+00	3.99E+00	1.12E-09	3.99E+00	3.98E+00	5.31E-03	0.00E+00	0.00E+00	0.00E+00	1.08E-03
UM61UK	2.25E-03	3.55E-01	0.00E+00	3.55E-01	0.00E+00	0.00E+00	2.33E-01	1.33E-07	1.06E-03	1.16E-02	0.00E+00	0.00E+00	6.25E-12	1.21E-10	8.86E-04	0.00E+00	0.00E+00	0.00E+00	3.14E-05	1.23E-03	4.99E+00	0.00E+00	5.45E-10	1.83E-08	2.92E-03	8.89E-06	6.62E-03	0.00E+00	4.99E+00	1.40E-09	4.99E+00	4.97E+00	6.62E-03	0.00E+00	0.00E+00	0.00E+00	1.35E-03
UM71UK	2.94E-03	3.92E-01	0.00E+00	3.92E-01	0.00E+00	0.00E+00	2.57E-01	1.47E-07	1.17E-03	1.28E-02	0.00E+00	0.00E+00	6.97E-12	1.34E-10	9.57E-04	0.00E+00	0.00E+00	0.00E+00	3.48E-05	1.38E-03	5.44E+00	0.00E+00	6.02E-10	2.02E-08	3.22E-03	9.83E-06	7.32E-03	0.00E+00	5.44E+00	1.58E-09	5.44E+00	5.40E+00	7.32E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-03
UN04A	8.89E-04	1.34E-01	0.00E+00	1.34E-01	0.00E+00	0.00E+00	9.19E-02	5.27E-08	4.17E-04	4.57E-03	0.00E+00	0.00E+00	2.47E-12	4.77E-11	9.57E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-05	4.93E-03	1.99E+00	0.00E+00	2.15E-10	7.23E-08	1.21E-03	5.16E-06	2.61E-03	0.00E+00	1.99E+00	5.53E-09	1.99E+00	1.99E+00	2.61E-03	0.00E+00	0.00E+00	0.00E+00	5.33E-04
UN05A	1.11E-03	1.74E-01	0.00E+00	1.74E-01	0.00E+00	0.00E+00	1.14E-01	6.53E-08	5.19E-04	5.69E-03	0.00E+00	0.00E+00	3.07E-12	5.94E-11	4.25E-04	0.00E+00	0.00E+00	0.00E+00	1.54E-05	6.15E-03	2.44E+00	0.00E+00	2.66E-10	8.99E-08	1.43E-03	4.39E-06	3.25E-03	0.00E+00	2.44E+00	6.87E-09	2.44E+00	2.44E+00	3.25E-03	0.00E+00	0.00E+00	0.00E+00	6.63E-04
UN06A	1.39E-03	2.19E-01	0.00E+00	2.19E-01	0.00E+00	0.00E+00	1.43E-01	8.01E-08	6.50E-04	7.13E-03	0.00E+00	0.00E+00	3.85E-12	7.44E-11	5.33E-04	0.00E+00	0.00E+00	0.00E+00	1.93E-05	7.68E-03	3.05E+00	0.00E+00	3.35E-10	1.13E-08	1.80E-03	5.47E-06	4.07E-03	0.00E+00	3.05E+00	8.62E-09	3.05E+00	3.06E+00	4.07E-03	0.00E+00	0.00E+00	0.00E+00	8.31E-04
UN07A	1.65E-03	2.59E-01	0.00E+00	2.59E-01	0.00E+00	0.00E+00	1.68E-01	9.63E-08	7.86E-04	8.34E-03	0.00E+00	0.00E+00	4.50E-12	8.79E-11	6.24E-04	0.00E+00	0.00E+00	0.00E+00	2.28E-05	8.99E-03	3.57E+00	0.00E+00	3.92E-10	1.32E-08	2.16E-03	6.49E-06	4.77E-03	0.00E+00	3.57E+00	1.01E-09	3.57E+00	3.57E+00	4.77E-03	0.00E+00	0.00E+00	0.00E+00	9.72E-04
UN08A	1.92E-03	3.01E-01	0.00E+00	3.01E-01	0.00E+00	0.00E+00	1.99E-01	1.09E-07	8.66E-04	9.50E-03	0.00E+00	0.00E+00	5.13E-12	9.92E-11	7.10E-04	0.00E+00	0.00E+00	0.00E+00	2.59E-05	1.02E-03	4.07E+00	0.00E+00	4.47E-10	1.50E-08	2.40E-03	7.19E-06	5.48E-03	0.00E+00	4.07E+00	1.15E-09	4.07E+00	4.07E+00	5.48E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-03
UN09A	1.93E-03	3.04E-01	0.00E+00	3.04E-01	0.00E+00	0.00E+00	2.00E-01	1.14E-07	9.05E-04	9.93E-03	0.00E+00	0.00E+00	5.36E-12	1.04E-10	7.43E-04	0.00E+00	0.00E+00	0.00E+00	2.70E-05	1.07E-03	4.25E+00	0.00E+00	4.87E-10	1.57E-08	2.50E-03	7.62E-06	5.68E-03	0.00E+00	4.25E+00	1.20E-09	4.25E+00	4.26E+00	5.68E-03	0.00E+00	0.00E+00	0.00E+00	1.16E-03
UN10A	2.09E-03	3.29E-01	0.00E+00	3.29E-01	0.00E+00	0.00E+00	2.18E-01	1.24E-07	9.79E-04	1.07E-02	0.00E+00	0.00E+00	5.79E-12	1.12E-10	8.03E-04	0.00E+00	0.00E+00	0.00E+00	2.92E-05	1.14E-03	4.60E+00	0.00E+00	5.06E-10	1.79E-08	2.71E-03	8.24E-06	6.14E-03	0.00E+00	4.60E+00	1.30E-09	4.60E+00	4.61E+00	6.14E-03	0.00E+00	0.00E+00	0.00E+00	1.25E-03
UN11A	2.36E-03	3.72E-01	0.00E+00	3.72E-01	0.00E+00	0.00E+00	2.44E-01	1.40E-07	1.10E-03	1.21E-02	0.00E+00	0.00E+00	6.34E-12	1.26E-10	9.06E-04	0.00E+00	0.00E+00	0.00E+00	3.29E-05	1.31E-03	5.19E+00	0.00E+00	5.76E-10	1.92E-08	3.06E-03	8.93E-06	6.93E-03	0.00E+00	5.19E+00	1.46E-09	5.19E+00	5.20E+00	6.93E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-03
UN12A	2.96E-03	4.34E-01	0.00E+00	4.34E-01	0.00E+00	0.00E+00	2.98E-01	1.64E-07	1.17E-03	1.29E-02	0.00E+00	0.00E+00	6.94E-12	1.36E-10	9.84E-04	0.00E+00	0.00E+00	0.00E+00	3.90E-05	1.38E-03	5.91E+00	0.00E+00	6.59E-10	2.39E-08	3.16E-03	9.88E-06	7.86E-03	0.00E+00	5.91E+00	1.58E-09	5.91E+00	5.92E+00	7.86E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-03
UN13A	2.95E-03	4.86E-01	0.00E+00	4.86E-01	0.00E+00	0.00E+00	3.06E-01	1.75E-07	1.38E-03	1.52E-02	0.00E+00	0.00E+00	8.20E-12	1.54E-10	1.14E-03	0.00E+00	0.00E+00	0.00E+00	4.12E-05	1.64E-03	6.51E+00	0.00E+00	7.15E-10	2.40E-08	3.83E-03	1.17E-05	8.88E-03	0.00E+00	6.51E+00	1.84E-09	6.51E+00	6.52E+00	8.88E-03	0.00E+00	0.00E+00	0.00E+00	1.77E-03
UN31TN	1.15E-03	1.82E-01	0.00E+00	1.82E-01	0.00E+00	0.00E+00	1.19E-01	6.94E-08	5.41E-04	5.94E-03	0.00E+00	0.00E+00	3.20E-12	6.20E-11	4.44E-04	0.00E+00	0.00E+00	0.00E+00	1.67E-05	6.60E-03	2.54E+00	0.00E+00	2.79E-10	9.39E-08	1.50E-03	4.56E-06	3.39E-03	0.00E+00	2.54E+00	7.19E-09	2.54E+00	2.56E+00	3.39E-03	0.00E+00	0.00E+00	0.00E+00	8.02E-04
UN41B1	2.29E-03	3.82E-01	0.00E+00	3.82E-01	0.00E+00	0.00E+00	2.37E-01	1.36E-07	1.07E-03	1.16E-02	0.00E+00	0.00E+00	6.36E-12	1.23E-10	8.82E-04	0.00E+00	0.00E+00	0.00E+00	3.30E-05	1.27E-03	5.09E+00	0.00E+00	5.55E-10	1.86E-08	2.97E-03	9.05E-06	6.74E-03	0.00E+00	5.09E+00	1.43E-09	5.09E+00	5.06E+00	6.74E-03	0.00E+00	0.00E+00	0.00E	

FZ912XE	4.43E-02	1.97E-03	3.70E-04	1.60E-03	0.00E+00	0.00E+00	2.30E-02	2.18E-04	2.11E-04	1.31E-05	0.00E+00	3.89E-05	1.76E-10	5.14E-12	2.37E-04	4.25E-06	1.31E-04	0.00E+00	2.77E-06	6.53E-04	1.51E-02	0.00E+00	2.04E-11	2.65E-11	3.07E-04	7.84E-08	2.02E-03	0.00E+00	1.51E-02	3.71E-11	1.51E-02	1.71E-02	3.20E-03	0.00E+00	0.00E+00	0.00E+00	1.19E-04
FG22WD	1.01E-02	4.44E-03	8.43E-01	3.63E-02	0.00E+00	0.00E+00	5.23E-01	4.97E-05	4.82E-03	2.99E-02	0.00E+00	8.83E-02	4.00E-07	1.17E-08	5.41E-01	9.68E-03	2.99E-01	1.10E-04	6.30E-01	1.40E+00	3.44E-01	0.00E+00	4.65E-08	6.03E-07	7.00E-03	1.79E-04	4.59E+00	0.00E+00	3.44E-01	8.45E-08	3.44E-01	3.90E-01	4.59E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-01
FG23WD	1.01E-02	4.44E-03	8.43E-01	3.63E-02	0.00E+00	0.00E+00	5.23E-01	4.97E-05	4.82E-03	2.99E-02	0.00E+00	8.83E-02	4.00E-07	1.17E-08	5.41E-01	9.68E-03	2.99E-01	1.10E-04	6.30E-01	1.40E+00	3.44E-01	0.00E+00	4.65E-08	6.03E-07	7.00E-03	1.79E-04	4.59E+00	0.00E+00	3.44E-01	8.45E-08	3.44E-01	3.90E-01	4.59E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-01
FG24WD	1.01E-02	4.51E-03	8.44E-01	3.67E-02	0.00E+00	0.00E+00	5.24E-01	5.00E-05	4.83E-03	3.00E-02	0.00E+00	8.87E-02	4.01E-07	1.17E-08	5.46E-01	9.70E-03	3.00E-01	7.89E-03	6.37E-01	1.50E+00	3.46E-01	0.00E+00	4.67E-08	6.05E-07	7.02E-03	1.80E-04	4.62E+00	0.00E+00	3.46E-01	8.50E-08	3.46E-01	3.92E-01	4.62E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-01
FG24XD	1.01E-02	4.51E-03	8.44E-01	3.67E-02	0.00E+00	0.00E+00	5.24E-01	5.00E-05	4.83E-03	3.00E-02	0.00E+00	8.87E-02	4.01E-07	1.17E-08	5.46E-01	9.70E-03	3.00E-01	7.89E-03	6.37E-01	1.50E+00	3.46E-01	0.00E+00	4.67E-08	6.05E-07	7.02E-03	1.80E-04	4.62E+00	0.00E+00	3.46E-01	8.50E-08	3.46E-01	3.92E-01	4.62E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-01
FG25WD	1.01E-02	4.51E-03	8.44E-01	3.67E-02	0.00E+00	0.00E+00	5.24E-01	5.00E-05	4.83E-03	3.00E-02	0.00E+00	8.87E-02	4.01E-07	1.17E-08	5.46E-01	9.70E-03	3.00E-01	7.89E-03	6.37E-01	1.50E+00	3.46E-01	0.00E+00	4.67E-08	6.05E-07	7.02E-03	1.80E-04	4.62E+00	0.00E+00	3.46E-01	8.50E-08	3.46E-01	3.92E-01	4.62E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-01
FG26WD	1.01E-02	4.51E-03	8.44E-01	3.67E-02	0.00E+00	0.00E+00	5.24E-01	5.00E-05	4.83E-03	3.00E-02	0.00E+00	8.87E-02	4.01E-07	1.17E-08	5.46E-01	9.70E-03	3.00E-01	7.89E-03	6.37E-01	1.50E+00	3.46E-01	0.00E+00	4.67E-08	6.05E-07	7.02E-03	1.80E-04	4.62E+00	0.00E+00	3.46E-01	8.50E-08	3.46E-01	3.92E-01	4.62E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-01
FG26XD	1.01E-02	4.51E-03	8.44E-01	3.67E-02	0.00E+00	0.00E+00	5.24E-01	5.00E-05	4.83E-03	3.00E-02	0.00E+00	8.87E-02	4.01E-07	1.17E-08	5.46E-01	9.70E-03	3.00E-01	7.89E-03	6.37E-01	1.50E+00	3.46E-01	0.00E+00	4.67E-08	6.05E-07	7.02E-03	1.80E-04	4.62E+00	0.00E+00	3.46E-01	8.50E-08	3.46E-01	3.92E-01	4.62E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-01
FL220Z	1.03E-05	8.10E-03	1.02E-01	6.57E-03	0.00E+00	0.00E+00	5.24E-01	5.00E-05	4.83E-03	3.00E-02	0.00E+00	1.60E-04	7.24E-10	2.12E-11	9.46E-04	1.75E-05	4.00E-04	8.00E-05	1.14E-05	2.68E-05	6.23E-02	0.00E+00	4.67E-08	6.05E-07	7.02E-03	1.80E-04	4.62E+00	0.00E+00	3.46E-01	8.50E-08	3.46E-01	3.92E-01	4.62E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-01
FL53SPX01	7.93E-03	3.56E-04	9.58E-01	2.90E+00	0.00E+00	0.00E+00	4.08E-01	3.91E-05	3.78E-03	2.35E-02	0.00E+00	6.90E-02	3.12E-03	8.14E-09	4.33E-01	7.54E-01	2.51E-01	2.05E-02	5.05E-02	1.19E+00	2.71E-01	0.00E+00	3.64E-08	4.74E-08	5.48E-03	1.41E-04	3.62E+00	0.00E+00	2.71E-01	6.68E-08	2.71E-01	3.07E-01	3.62E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-01
FL73S	1.01E-02	4.53E-03	8.40E-01	3.69E-02	0.00E+00	0.00E+00	5.23E-01	5.00E-05	4.81E-03	3.00E-02	0.00E+00	8.83E-02	3.99E-07	1.17E-08	5.51E-01	9.65E-03	3.16E-01	2.05E-02	6.43E-02	1.52E+00	3.46E-01	0.00E+00	4.65E-08	6.05E-07	7.01E-03	1.80E-04	4.62E+00	0.00E+00	3.46E-01	8.52E-08	3.46E-01	3.92E-01	4.62E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-01
FL73SP	1.01E-02	4.53E-03	8.40E-01	3.69E-02	0.00E+00	0.00E+00	5.23E-01	5.00E-05	4.81E-03	3.00E-02	0.00E+00	8.83E-02	3.99E-07	1.17E-08	5.51E-01	9.65E-03	3.16E-01	2.05E-02	6.43E-02	1.52E+00	3.46E-01	0.00E+00	4.65E-08	6.05E-07	7.01E-03	1.80E-04	4.62E+00	0.00E+00	3.46E-01	8.52E-08	3.46E-01	3.92E-01	4.62E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-01
FL74SPX01	7.93E-03	3.56E-04	9.58E-01	2.90E+00	0.00E+00	0.00E+00	4.08E-01	3.91E-05	3.78E-03	2.35E-02	0.00E+00	6.90E-02	3.12E-03	8.14E-09	4.33E-01	7.54E-01	2.51E-01	2.05E-02	5.05E-02	1.19E+00	2.71E-01	0.00E+00	3.64E-08	4.74E-08	5.48E-03	1.41E-04	3.62E+00	0.00E+00	2.71E-01	6.68E-08	2.71E-01	3.07E-01	3.62E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-01
FP03SN2	7.20E-03	3.22E-04	9.58E-01	2.62E+00	0.00E+00	0.00E+00	3.72E-01	3.55E-05	3.43E-03	2.13E-02	0.00E+00	6.29E-02	2.94E-07	8.32E-09	3.00E-01	6.97E-01	2.22E-01	1.07E-02	4.55E-03	1.06E+00	2.46E-01	0.00E+00	3.97E-08	4.93E-08	5.64E-03	1.51E-04	3.28E+00	0.00E+00	2.46E-01	6.05E-08	2.46E-01	2.95E-01	3.28E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-01
FP04SN2	8.89E-03	3.97E-04	7.39E-01	3.22E+00	0.00E+00	0.00E+00	4.65E-01	4.30E-05	4.22E-03	2.64E-02	0.00E+00	7.77E-02	3.51E-07	1.03E-09	4.81E-01	8.45E-03	2.72E-01	1.07E-02	5.61E-02	1.32E+00	3.03E-01	0.00E+00	4.05E-08	5.91E-08	6.16E-03	1.58E-04	4.05E+00	0.00E+00	3.03E-01	7.47E-08	3.03E-01	3.44E-01	4.05E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-01
FP05SN2	1.06E-02	4.72E-04	8.81E-01	3.64E-02	0.00E+00	0.00E+00	5.47E-01	5.22E-05	5.04E-03	3.14E-02	0.00E+00	9.24E-02	4.18E-07	1.22E-09	5.71E-01	1.01E-02	3.22E-01	1.07E-02	6.66E-03	1.57E+00	3.81E-01	0.00E+00	4.87E-08	6.32E-08	7.33E-03	1.88E-04	4.82E+00	0.00E+00	3.81E-01	8.88E-08	3.81E-01	4.09E-01	4.82E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-01
FP221TN2	8.62E-03	2.91E-04	9.49E-01	2.97E+00	0.00E+00	0.00E+00	3.41E-01	3.24E-05	3.14E-03	1.94E-02	0.00E+00	5.76E-02	2.61E-07	7.62E-09	3.65E-01	6.26E-03	1.94E-01	1.21E-02	4.10E-02	9.69E-01	2.24E-01	0.00E+00	3.02E-08	3.92E-08	4.56E-03	1.15E-04	2.99E+00	0.00E+00	2.24E-01	5.50E-08	2.24E-01	2.54E-01	2.99E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-01
FP23SN2	8.02E-03	3.84E-04	7.18E-01	3.10E-02	0.00E+00	0.00E+00	4.45E-01	4.23E-05	4.11E-03	2.56E-02	0.00E+00	7.54E-02	3.41E-07	8.98E-09	4.62E-01	8.32E-03	2.62E-01	1.23E-02	5.49E-03	1.29E+00	2.94E-01	0.00E+00	3.97E-08	5.12E-08	5.68E-03	1.58E-04	3.30E+00	0.00E+00	2.94E-01	7.24E-08	2.94E-01	3.34E-01	3.30E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-01
FP231TN2	8.81E-03	3.82E-04	7.19E-01	3.10E-02	0.00E+00	0.00E+00	4.46E-01	4.24E-05	4.11E-03	2.56E-02	0.00E+00	7.55E-02	3.41E-07	8.99E-09	4.61E-01	8.26E-03	2.65E-01	1.21E-02	5.39E-03	1.27E+00	2.94E-01	0.00E+00	3.97E-08	5.14E-08	5.67E-03	1.52E-04	3.32E+00	0.00E+00	2.94E-01	7.22E-08	2.94E-01	3.33E-01	3.32E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-01
FP2451N	1.06E-02	4.71E-04	8.87E-01	3.69E-02	0.00E+00	0.00E+00	5.51E-01	5.24E-05	5.07E-03	3.15E-02	0.00E+00	9.34E-02	4.22E-07	1.23E-09	5.69E-01	1.02E-02	3.14E-01	1.05E+00	6.64E-03	1.57E+00	3.83E-01	0.00E+00	4.90E-08	6.34E-08	7.37E-03	1.88E-04	4.84E+00	0.00E+00	3.83E-01	8.89E-08	3.83E-01	4.11E-01	4.84E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-01
FP24SN2	1.07E-02	4.73E-04	8.89E-01	3.69E-02	0.00E+00	0.00E+00	5.52E-01	5.25E-05	5.08E-03	3.16E-02	0.00E+00	9.34E-02	4.22E-07	1.23E-09	5.69E-01	1.02E-02	3.15E-01	1.05E+00	6.65E-03	1.57E+00	3.84E-01	0.00E+00	4.91E-08	6.37E-08	7.39E-03	1.88E-04	4.84E+00	0.00E+00	3.84E-01	8.92E-08	3.84E-01	4.12E-01	4.84E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-01
FP241TN2	1.07E-02	4.73E-04	8.89E-01	3.69E-02	0.00E+00	0.00E+00	5.52E-01	5.25E-05	5.08E-03	3.16E-02	0.00E+00	9.34E-02	4.22E-07	1.23E-09	5.69E-01	1.02E-02	3.15E-01	1.05E+00	6.65E-03	1.57E+00	3.84E-01	0.00E+00	4.91E-08	6.37E-08	7.39E-03	1.88E-04	4.84E+00	0.00E+00	3.84E-01	8.92E-08	3.84E-01	4.12E-01	4.84E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-01
FP251TN2	1.27E-02	5.87E-04	1.05E-01	4.81E+00	0.00E+00	0.00E+00	6.58E-01	6.28E-05	6.08E-03	3.77E-02	0.00E+00	1.11E-01	5.02E-07	1.47E-09	6.86E-01	1.22E-02	3.85E-01	1.07E-02	8.00E-03	1.89E+00	4.34E-01	0.00E+00	5.86E-08	7.62E-08	8.82E-03	2.26E-04	5.00E+00	0.00E+00	4.34E-01	1.07E-02	4.34E-01	4.92E-01	5.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-01
FP42QT	2.90E-03	1.37E-04	2.38E-01	1.07E+00	0.00E+00	0.00E+00	1.46E-01	1.43E-05	1.37E-03	8.57E-04	0.00E+00	2.51E-02	1.13E-03	3.33E-09	1.59E-01	2.74E-02	9.42E-02	1.07E-02	1.86E-03	4.41E-01	9.89E-02	0.00E+00	1.32E-08	1.73E-08	2.02E-03	5.19E-05	1.32E+00	0.00E+00	9.89E-02	2.42E-08	9.89E-02	1.12E-01	1.32E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-02
FP62QS	3.77E-03	1.69E-04	3.12E-01	1.36E-02	0.00E+00	0.00E+00	1.94E-01	1.86E-05	1.79E-03	1.12E-02	0.00E+00	3.26E-02	1.48E-03	4.34E-09	2.06E-01	3.56E-03	1.20E-01	1.07E-02	2.41E-03	5.61E-01	1.29E-01	0.00E+00	1.73E-08	2.23E-08	2.61E-03	6.78E-05	1.72E+00	0.00E+00	1.29E-01	3.18E-08	1.29E-01	1.46E-01	1.72E+00	0.00E			

FR62E	8.35e-03	3.70e-00	6.97e-01	3.00e-00	0.00e+00	0.00e+00	4.33e-01	4.11e-00	3.98e-03	2.48e-02	0.00e+00	7.32e-02	3.31e-01	8.86e-00	4.47e-01	8.01e-00	2.47e-01	0.00e+00	5.21e-03	1.23e-00	2.89e-01	0.00e+00	3.85e-00	4.98e-00	5.79e-03	1.48e-04	3.80e-00	0.00e+00	2.89e-01	6.99e-00	2.85e-01	3.33e-01	3.80e-00	0.00e+00	0.00e+00	0.00e+00	2.24e-01
FR63E	1.09e-02	4.82e-00	9.38e-01	3.91e-00	0.00e+00	0.00e+00	5.64e-01	5.39e-00	5.19e-03	3.22e-02	0.00e+00	9.33e-02	4.31e-01	1.26e-00	5.82e-01	1.04e-00	3.21e-01	0.00e+00	8.79e-03	1.80e-00	3.71e-01	0.00e+00	5.01e-00	6.49e-00	7.54e-03	1.62e-04	4.90e-00	0.00e+00	3.71e-01	9.19e-00	3.71e-01	4.20e-01	4.95e-00	0.00e+00	0.00e+00	0.00e+00	2.81e-01
FR72E	8.88e-03	3.90e-00	7.25e-01	3.14e-00	0.00e+00	0.00e+00	4.50e-01	4.28e-00	4.14e-03	2.58e-02	0.00e+00	7.81e-02	3.44e-01	1.01e-00	4.65e-01	8.34e-00	2.97e-01	0.00e+00	5.42e-03	1.28e-00	2.98e-01	0.00e+00	4.00e-00	5.19e-00	6.02e-03	1.54e-04	3.90e-00	0.00e+00	2.98e-01	7.28e-00	2.98e-01	3.36e-01	3.95e-00	0.00e+00	0.00e+00	0.00e+00	2.93e-01
FR73E	1.09e-02	4.82e-00	9.38e-01	3.91e-00	0.00e+00	0.00e+00	5.64e-01	5.39e-00	5.19e-03	3.22e-02	0.00e+00	9.33e-02	4.31e-01	1.26e-00	5.82e-01	1.04e-00	3.21e-01	0.00e+00	8.79e-03	1.80e-00	3.71e-01	0.00e+00	5.01e-00	6.49e-00	7.54e-03	1.62e-04	4.90e-00	0.00e+00	3.71e-01	9.19e-00	3.71e-01	4.20e-01	4.95e-00	0.00e+00	0.00e+00	0.00e+00	2.81e-01
FR74E	1.38e-02	5.93e-00	1.13e-00	4.88e-00	0.00e+00	0.00e+00	7.04e-01	6.88e-00	6.44e-03	4.01e-02	0.00e+00	1.14e-01	5.38e-01	1.57e-00	7.22e-01	1.34e-00	3.90e-01	0.00e+00	6.79e-03	1.58e-00	4.81e-01	0.00e+00	5.84e-00	7.59e-00	8.56e-03	2.32e-04	6.10e-00	0.00e+00	4.81e-01	1.13e-01	4.61e-01	5.20e-01	6.15e-00	0.00e+00	0.00e+00	0.00e+00	3.21e-01
FR75E	1.33e-02	6.77e-00	1.27e-00	5.49e-00	0.00e+00	0.00e+00	7.91e-01	7.52e-00	7.28e-03	4.53e-02	0.00e+00	1.34e-01	6.05e-01	1.77e-00	8.17e-01	1.46e-00	4.51e-01	0.00e+00	9.33e-03	2.25e-00	5.21e-01	0.00e+00	7.04e-00	9.11e-00	1.06e-02	2.70e-04	6.99e-00	0.00e+00	5.21e-01	1.28e-01	5.21e-01	5.90e-01	6.92e-00	0.00e+00	0.00e+00	0.00e+00	4.09e-01
FR83E	1.09e-02	4.81e-00	9.07e-01	3.91e-00	0.00e+00	0.00e+00	5.63e-01	5.36e-00	5.18e-03	3.22e-02	0.00e+00	9.58e-02	4.31e-01	1.26e-00	5.81e-01	1.04e-00	3.21e-01	0.00e+00	8.78e-03	1.80e-00	3.70e-01	0.00e+00	5.01e-00	6.48e-00	7.53e-03	1.62e-04	4.94e-00	0.00e+00	3.70e-01	9.09e-00	3.70e-01	4.20e-01	4.94e-00	0.00e+00	0.00e+00	0.00e+00	2.91e-01
FR84E	1.19e-02	6.02e-00	1.30e-00	5.62e-00	0.00e+00	0.00e+00	8.09e-01	7.89e-00	7.40e-03	4.63e-02	0.00e+00	1.37e-01	6.19e-01	1.81e-00	8.36e-01	1.67e-00	4.61e-01	0.00e+00	9.74e-03	2.30e-00	5.34e-01	0.00e+00	7.19e-00	9.32e-00	1.08e-02	2.78e-04	7.10e-00	0.00e+00	5.32e-01	1.31e-01	5.32e-01	6.02e-01	7.10e-00	0.00e+00	0.00e+00	0.00e+00	4.18e-01
FR85E	1.14e-02	6.72e-00	1.40e-00	6.28e-00	0.00e+00	0.00e+00	9.25e-01	8.98e-00	8.30e-03	5.16e-02	0.00e+00	1.58e-01	6.90e-01	2.02e-00	9.37e-01	1.90e-00	5.15e-01	0.00e+00	1.04e-02	2.97e-00	5.92e-01	0.00e+00	8.48e-00	1.04e-01	1.24e-02	3.18e-04	7.90e-00	0.00e+00	5.92e-01	1.45e-01	5.92e-01	6.73e-01	7.92e-00	0.00e+00	0.00e+00	0.00e+00	4.86e-01
FR92E	1.01e-02	4.50e-00	8.47e-01	3.65e-00	0.00e+00	0.00e+00	5.28e-01	5.00e-00	4.84e-03	3.01e-02	0.00e+00	8.90e-02	4.02e-01	1.18e-00	5.44e-01	9.74e-00	3.00e-01	0.00e+00	8.34e-03	1.90e-00	3.48e-01	0.00e+00	4.88e-00	6.09e-00	7.04e-03	1.80e-04	4.82e-00	0.00e+00	3.48e-01	8.49e-00	3.48e-01	3.92e-01	4.82e-00	0.00e+00	0.00e+00	0.00e+00	2.72e-01
FR92S	1.01e-02	4.49e-00	8.45e-01	3.64e-00	0.00e+00	0.00e+00	5.25e-01	4.99e-00	4.83e-03	3.00e-02	0.00e+00	8.87e-02	4.01e-01	1.17e-00	5.42e-01	9.71e-00	2.99e-01	0.00e+00	8.32e-03	1.89e-00	3.46e-01	0.00e+00	4.87e-00	6.04e-00	7.02e-03	1.79e-04	4.81e-00	0.00e+00	3.45e-01	8.47e-00	3.45e-01	3.91e-01	4.81e-00	0.00e+00	0.00e+00	0.00e+00	2.71e-01
FR93E	1.27e-02	5.44e-00	1.08e-00	4.58e-00	0.00e+00	0.00e+00	6.59e-01	6.27e-00	6.07e-03	3.77e-02	0.00e+00	1.11e-01	5.04e-01	1.47e-00	6.81e-01	1.22e-02	3.78e-01	0.00e+00	7.34e-03	1.87e-00	4.34e-01	0.00e+00	5.86e-00	7.39e-00	8.81e-03	2.23e-04	5.79e-00	0.00e+00	4.34e-01	1.08e-01	4.34e-01	4.91e-01	5.79e-00	0.00e+00	0.00e+00	0.00e+00	3.41e-01
FR93G	1.17e-02	7.95e-00	1.50e-00	6.45e-00	0.00e+00	0.00e+00	9.29e-01	8.93e-00	8.55e-03	5.32e-02	0.00e+00	1.57e-01	7.11e-01	2.08e-00	9.65e-01	1.72e-02	3.92e-01	0.00e+00	1.12e-02	2.84e-00	6.14e-01	0.00e+00	8.26e-00	1.07e-01	1.24e-02	3.17e-04	8.16e-00	0.00e+00	6.11e-01	1.58e-01	6.11e-01	6.92e-01	8.16e-00	0.00e+00	0.00e+00	0.00e+00	4.82e-01
FR93S	1.27e-02	6.25e-00	1.40e-00	5.95e-00	0.00e+00	0.00e+00	8.75e-01	8.25e-00	8.05e-03	3.79e-02	0.00e+00	1.11e-01	5.03e-01	1.47e-00	6.78e-01	1.22e-02	3.70e-01	0.00e+00	7.91e-03	1.87e-00	4.32e-01	0.00e+00	5.84e-00	7.57e-00	8.81e-03	2.24e-04	5.77e-00	0.00e+00	4.32e-01	1.08e-01	4.32e-01	4.90e-01	5.77e-00	0.00e+00	0.00e+00	0.00e+00	3.46e-01
FR94E	1.07e-02	6.95e-00	1.31e-00	5.64e-00	0.00e+00	0.00e+00	8.13e-01	7.72e-00	7.48e-03	4.65e-02	0.00e+00	1.37e-01	6.22e-01	1.82e-00	8.39e-01	1.50e-02	4.65e-01	0.00e+00	9.79e-03	2.31e-00	5.99e-01	0.00e+00	7.22e-00	9.39e-00	1.09e-02	2.77e-04	7.13e-00	0.00e+00	5.99e-01	1.31e-01	5.99e-01	6.99e-01	7.13e-00	0.00e+00	0.00e+00	0.00e+00	4.20e-01
FR94S	1.06e-02	6.90e-00	1.30e-00	5.60e-00	0.00e+00	0.00e+00	8.07e-01	7.67e-00	7.43e-03	4.62e-02	0.00e+00	1.36e-01	6.17e-01	1.80e-00	8.33e-01	1.49e-02	4.60e-01	0.00e+00	9.72e-03	2.29e-00	5.91e-01	0.00e+00	7.18e-00	9.29e-00	1.08e-02	2.75e-04	7.08e-00	0.00e+00	5.91e-01	1.30e-01	5.91e-01	6.92e-01	7.08e-00	0.00e+00	0.00e+00	0.00e+00	4.17e-01
FR95E	1.19e-02	7.77e-00	1.46e-00	6.30e-00	0.00e+00	0.00e+00	9.08e-01	8.63e-00	8.36e-03	5.19e-02	0.00e+00	1.54e-01	6.95e-01	2.03e-00	9.40e-01	1.68e-02	5.18e-01	0.00e+00	1.09e-02	2.98e-00	5.97e-01	0.00e+00	8.06e-00	1.05e-01	1.21e-02	3.11e-04	7.97e-00	0.00e+00	6.97e-01	1.47e-01	6.97e-01	6.77e-01	7.97e-00	0.00e+00	0.00e+00	0.00e+00	4.76e-01
FR95S	1.18e-02	7.74e-00	1.45e-00	6.28e-00	0.00e+00	0.00e+00	9.05e-01	8.60e-00	8.33e-03	5.18e-02	0.00e+00	1.54e-01	6.94e-01	2.02e-00	9.38e-01	1.68e-02	5.18e-01	0.00e+00	1.09e-02	2.98e-00	5.99e-01	0.00e+00	8.05e-00	1.05e-01	1.21e-02	3.11e-04	7.96e-00	0.00e+00	6.99e-01	1.47e-01	6.99e-01	6.79e-01	7.96e-00	0.00e+00	0.00e+00	0.00e+00	4.75e-01
FW324FT	8.40e-03	2.89e-00	5.33e-01	2.32e-00	0.00e+00	0.00e+00	3.31e-01	3.16e-00	3.05e-03	1.90e-02	0.00e+00	5.80e-02	2.53e-01	7.40e-00	3.45e-01	6.12e-00	1.94e-01	0.00e+00	4.02e-03	9.91e-01	2.18e-01	0.00e+00	3.95e-00	3.82e-00	4.43e-03	1.14e-04	2.91e-00	0.00e+00	2.18e-01	5.37e-00	2.18e-01	2.47e-01	2.91e-00	0.00e+00	0.00e+00	0.00e+00	1.73e-01
FW324WT	4.95e-03	2.00e-00	3.78e-01	1.82e-00	0.00e+00	0.00e+00	2.33e-01	2.25e-00	2.15e-03	1.33e-02	0.00e+00	3.94e-02	1.79e-01	5.22e-00	2.41e-01	4.32e-00	1.33e-01	4.51e-04	2.81e-03	6.64e-01	1.94e-01	0.00e+00	2.07e-00	2.89e-00	3.12e-03	7.98e-05	2.05e-00	0.00e+00	1.94e-01	3.77e-00	1.94e-01	1.74e-01	2.05e-00	0.00e+00	0.00e+00	0.00e+00	1.21e-01
FW424FT	7.05e-03	2.14e-00	3.87e-01	2.56e-00	0.00e+00	0.00e+00	3.65e-01	3.48e-00	3.36e-03	2.02e-02	0.00e+00	6.17e-02	2.79e-01	8.16e-00	3.80e-01	6.79e-00	2.13e-01	5.65e-03	4.42e-03	1.05e-00	2.41e-01	0.00e+00	3.25e-00	4.21e-00	4.89e-03	1.25e-04	3.21e-00	0.00e+00	2.41e-01	5.25e-00	2.41e-01	2.79e-01	3.21e-00	0.00e+00	0.00e+00	0.00e+00	1.90e-01
FW424WT	4.89e-03	1.32e-00	2.42e-01	1.82e-00	0.00e+00	0.00e+00	2.65e-01	2.51e-00	2.42e-03	1.51e-02	0.00e+00	4.45e-02	2.02e-01	4.99e-00	2.57e-01	4.87e-00	1.51e-01	4.16e-04	3.18e-03	3.93e-00	1.17e-01	0.00e+00	2.90e-00	3.90e-00	4.39e-03	1.09e-04	2.33e-00	0.00e+00	1.17e-01	4.91e-00	1.17e-01	1.39e-01	2.33e-00	0.00e+00	0.00e+00	0.00e+00	1.36e-01
FW436WT	6.89e-03	2.95e-00	5.56e-01	2.42e-00	0.00e+00	0.00e+00	3.45e-01	3.28e-00	3.18e-03	1.98e-02	0.00e+00	5.84e-02	2.84e-01	7.72e-00	3.75e-01	6.39e-00	1.97e-01	4.51e-04	3.18e-03	9.83e-01	2.27e-01	0.00e+00	3.07e-00	3.99e-00	4.62e-03	1.18e-04	3.00e-00	0.00e+00	2.27e-01	5.57e-00	2.27e-01	2.58e-01	3.00e-00	0.00e+00	0.00e+00	0.00e+00	1.79e-01
FW524FT	8.36e-03	3.72e-00	6.98e-01	3.02e-00	0.00e+00	0.00e+00	4.33e-01	4.12e-00	3.99e-03	2.48e-02	0.00e+00	7.32e-02	3.37e-01	8.96e-00	4.90e-01	8.00e-00	2.52e-01	5.69e-03	5.29e-03	1.24e-00	2.85e-01	0.00e+00	3.85e-00	4.93e-00	5.79e-03	1.48e-04	3.81e-00	0.00e+00	2.85e-01	7.01e-00	2.85e-01	3.23e-01	3.81e-00	0.00e+00	0.00e+00	0.00e+00	2.26e-01
FW524WT	9.83e-03	4.38e-00	8.21e-01	3.54e-00	0.00e+00	0.00e+00	5.10e-01	4.89e-00	4.69e-03	2.92e-02	0.00e+00	8.62e-02	3.90e-01	1.14e-00	5.27e-01	9.43e-00	2.91e-01	4.81e-04	6.14e-03	1.45e-00	3.39e-01	0.00e+00	4.53e-00	5.87e-00	6.82e-03	1.74e-04	4.47e-00	0.00e+00	3.39e-01	8.23e-00	3.39e-01	3.80e-01	4.47e-00	0.00e+00	0.00e+00		

Installer A5	FWB2M2	4.16E-03	1.85E-04	3.47E-01	1.55E-04	0.00E+00	0.00E+00	2.16E-01	2.05E-04	1.98E-03	1.23E-02	0.00E+00	3.65E-02	1.65E-07	4.82E-09	2.24E-01	3.96E-03	1.25E-01	2.54E-03	2.61E-03	6.17E-01	1.42E-01	0.00E+00	1.52E-09	2.49E-08	2.89E-03	7.38E-05	1.90E-04	0.00E+00	1.42E-01	3.49E-08	1.42E-01	1.81E-01	1.90E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-01	
	FWB27N	4.16E-03	1.85E-04	3.47E-01	1.55E-04	0.00E+00	0.00E+00	2.16E-01	2.05E-04	1.98E-03	1.23E-02	0.00E+00	3.64E-02	1.65E-07	4.82E-09	2.24E-01	3.96E-03	1.25E-01	2.54E-03	2.61E-03	6.17E-01	1.42E-01	0.00E+00	1.52E-09	2.49E-08	2.89E-03	7.38E-05	1.90E-04	0.00E+00	1.42E-01	3.49E-08	1.42E-01	1.81E-01	1.90E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-01	
	FWB27N3	4.16E-03	1.85E-04	3.47E-01	1.55E-04	0.00E+00	0.00E+00	2.16E-01	2.05E-04	1.98E-03	1.23E-02	0.00E+00	3.64E-02	1.65E-07	4.82E-09	2.24E-01	3.96E-03	1.25E-01	2.54E-03	2.61E-03	6.17E-01	1.42E-01	0.00E+00	1.52E-09	2.49E-08	2.89E-03	7.38E-05	1.90E-04	0.00E+00	1.42E-01	3.49E-08	1.42E-01	1.81E-01	1.90E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-01	
	FWB27S	4.16E-03	1.85E-04	3.47E-01	1.55E-04	0.00E+00	0.00E+00	2.16E-01	2.05E-04	1.98E-03	1.23E-02	0.00E+00	3.65E-02	1.65E-07	4.82E-09	2.24E-01	3.96E-03	1.25E-01	2.54E-03	2.61E-03	6.17E-01	1.42E-01	0.00E+00	1.52E-09	2.49E-08	2.89E-03	7.38E-05	1.90E-04	0.00E+00	1.42E-01	3.49E-08	1.42E-01	1.81E-01	1.90E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-01	
	FWB27N3N	5.45E-03	2.42E-04	4.54E-01	1.97E-04	0.00E+00	0.00E+00	2.82E-01	2.89E-04	2.80E-03	1.62E-02	0.00E+00	4.77E-02	2.16E-07	6.31E-09	2.93E-01	5.22E-03	1.63E-01	2.54E-03	3.42E-03	8.07E-01	1.86E-01	0.00E+00	2.51E-09	3.25E-08	3.78E-03	9.65E-05	2.48E-04	0.00E+00	1.86E-01	4.57E-08	1.86E-01	2.11E-01	2.48E-04	0.00E+00	0.00E+00	0.00E+00	1.47E-01	
	FWB274N	6.71E-03	2.99E-04	5.05E-01	2.42E-04	0.00E+00	0.00E+00	3.48E-01	3.31E-04	3.20E-03	1.99E-02	0.00E+00	5.88E-02	2.66E-07	7.77E-09	3.60E-01	6.45E-03	2.00E-01	2.54E-03	4.28E-03	9.93E-01	2.29E-01	0.00E+00	3.08E-09	4.91E-08	4.85E-03	1.19E-04	3.08E-04	0.00E+00	2.29E-01	5.02E-08	2.29E-01	2.99E-01	3.08E-04	0.00E+00	0.00E+00	0.00E+00	1.80E-01	
	FWB274N3	6.74E-03	2.99E-04	5.02E-01	2.42E-04	0.00E+00	0.00E+00	3.49E-01	3.32E-04	3.21E-03	2.00E-02	0.00E+00	5.90E-02	2.67E-07	7.81E-09	3.62E-01	6.46E-03	2.01E-01	2.54E-03	4.22E-03	9.97E-01	2.30E-01	0.00E+00	3.11E-09	4.92E-08	4.87E-03	1.19E-04	3.07E-04	0.00E+00	2.30E-01	5.05E-08	2.30E-01	2.99E-01	3.07E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-01	
	FWB274S	6.74E-03	2.99E-04	5.02E-01	2.42E-04	0.00E+00	0.00E+00	3.49E-01	3.32E-04	3.21E-03	2.00E-02	0.00E+00	5.90E-02	2.67E-07	7.80E-09	3.62E-01	6.46E-03	2.01E-01	2.54E-03	4.22E-03	9.97E-01	2.30E-01	0.00E+00	3.11E-09	4.92E-08	4.87E-03	1.19E-04	3.07E-04	0.00E+00	2.30E-01	5.05E-08	2.30E-01	2.99E-01	3.07E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-01	
	FWB81D1	3.17E-03	1.41E-04	2.64E-01	1.15E-04	0.00E+00	0.00E+00	1.64E-01	1.56E-04	1.51E-03	9.41E-03	0.00E+00	2.78E-02	1.28E-07	3.87E-09	1.71E-01	3.04E-03	9.98E-02	2.41E-03	1.99E-03	4.71E-01	1.08E-01	0.00E+00	1.46E-09	1.90E-08	2.20E-03	5.63E-05	1.54E-04	0.00E+00	1.08E-01	2.69E-08	1.08E-01	1.23E-01	1.49E-04	0.00E+00	0.00E+00	0.00E+00	8.96E-02	
	FWB81S	3.18E-03	1.42E-04	2.65E-01	1.16E-04	0.00E+00	0.00E+00	1.65E-01	1.57E-04	1.52E-03	9.43E-03	0.00E+00	2.78E-02	1.29E-07	3.88E-09	1.71E-01	3.04E-03	9.99E-02	2.41E-03	2.00E-03	4.72E-01	1.09E-01	0.00E+00	1.46E-09	1.90E-08	2.20E-03	5.64E-05	1.54E-04	0.00E+00	1.09E-01	2.67E-08	1.09E-01	1.23E-01	1.49E-04	0.00E+00	0.00E+00	0.00E+00	8.96E-02	
	FWQ32P1	2.42E-03	1.08E-04	2.01E-01	8.76E-04	0.00E+00	0.00E+00	1.25E-01	1.15E-04	1.15E-03	7.17E-03	0.00E+00	2.12E-02	9.56E-08	2.80E-09	1.31E-01	2.31E-03	7.35E-02	2.41E-03	1.52E-03	3.63E-01	8.22E-01	0.00E+00	1.11E-09	1.45E-08	1.68E-03	4.29E-05	1.10E-04	0.00E+00	8.22E-04	2.03E-08	8.22E-04	9.36E-04	1.10E-04	0.00E+00	0.00E+00	0.00E+00	6.54E-02	
	FWQ41P	2.96E-03	1.27E-04	2.38E-01	1.03E-04	0.00E+00	0.00E+00	1.48E-01	1.41E-04	1.38E-03	8.47E-03	0.00E+00	2.56E-02	1.15E-07	3.31E-09	1.54E-01	2.79E-03	8.64E-02	2.41E-03	1.80E-03	4.34E-01	9.75E-01	0.00E+00	1.32E-09	1.71E-08	1.98E-03	5.07E-05	1.30E-04	0.00E+00	1.30E-04	9.75E-04	2.40E-08	9.75E-04	1.11E-04	1.30E-04	0.00E+00	0.00E+00	0.00E+00	7.71E-02
	FWQ43P	3.72E-03	1.69E-04	3.15E-01	1.35E-04	0.00E+00	0.00E+00	1.85E-01	1.84E-04	1.77E-03	1.10E-02	0.00E+00	3.25E-02	1.47E-07	4.31E-09	2.05E-01	3.59E-03	1.12E-01	2.54E-03	2.54E-03	5.52E-01	1.27E-01	0.00E+00	1.71E-09	2.22E-08	2.59E-03	6.69E-05	1.70E-04	0.00E+00	1.27E-01	3.12E-08	1.27E-01	1.44E-01	1.70E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-01	
	FWQ44P	4.06E-03	2.04E-04	3.83E-01	1.66E-04	0.00E+00	0.00E+00	2.38E-01	2.27E-04	2.19E-03	1.36E-02	0.00E+00	4.02E-02	1.80E-07	5.32E-09	2.47E-01	4.40E-03	1.38E-01	2.54E-03	2.88E-03	6.81E-01	1.97E-01	0.00E+00	2.12E-09	2.75E-08	3.19E-03	8.15E-05	2.09E-04	0.00E+00	1.97E-01	3.85E-08	1.97E-01	1.76E-01	2.09E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-01	
	FWQ51P	3.33E-03	1.52E-04	1.91E-01	8.33E-04	0.00E+00	0.00E+00	1.19E-01	1.13E-04	1.09E-03	6.81E-03	0.00E+00	2.01E-02	9.08E-08	2.66E-09	1.24E-01	2.26E-03	7.00E-02	2.54E-03	1.46E-03	3.42E-01	7.94E-01	0.00E+00	1.30E-09	1.59E-08	1.59E-03	4.07E-05	1.05E-04	0.00E+00	7.94E-04	1.93E-08	7.94E-04	8.89E-04	1.05E-04	0.00E+00	0.00E+00	0.00E+00	8.22E-02	
	FWQ52P	2.30E-03	1.47E-04	2.50E-01	1.20E-04	0.00E+00	0.00E+00	1.19E-01	1.16E-04	1.16E-03	8.91E-03	0.00E+00	2.88E-02	1.31E-07	3.83E-09	1.78E-01	3.16E-03	1.03E-01	2.54E-03	2.48E-03	4.30E-01	1.13E-01	0.00E+00	1.58E-09	2.06E-08	2.48E-03	5.89E-05	1.51E-04	0.00E+00	1.13E-01	2.73E-08	1.13E-01	1.38E-01	1.51E-04	0.00E+00	0.00E+00	0.00E+00	8.02E-02	
	FWQ52P1	3.31E-03	1.47E-04	2.52E-01	1.20E-04	0.00E+00	0.00E+00	1.17E-01	1.83E-04	1.58E-03	9.81E-03	0.00E+00	2.89E-02	1.31E-07	3.83E-09	1.78E-01	3.16E-03	9.97E-02	2.41E-03	2.08E-03	4.31E-01	1.13E-01	0.00E+00	1.52E-09	1.98E-08	2.29E-03	5.89E-05	1.51E-04	0.00E+00	1.13E-01	2.77E-08	1.13E-01	1.38E-01	1.51E-04	0.00E+00	0.00E+00	0.00E+00	8.02E-02	
	FWQ53P	4.31E-03	1.92E-04	3.59E-01	1.56E-04	0.00E+00	0.00E+00	2.23E-01	2.12E-04	2.05E-03	1.28E-02	0.00E+00	3.77E-02	1.70E-07	4.99E-09	2.32E-01	4.12E-03	1.29E-01	2.54E-03	2.78E-03	6.38E-01	1.47E-01	0.00E+00	1.98E-09	2.97E-08	3.39E-03	7.83E-05	1.98E-04	0.00E+00	1.47E-01	3.61E-08	1.47E-01	1.87E-01	1.98E-04	0.00E+00	0.00E+00	0.00E+00	1.16E-01	
	FWQ54P	5.79E-03	2.38E-04	4.43E-01	1.92E-04	0.00E+00	0.00E+00	2.75E-01	2.62E-04	2.53E-03	1.58E-02	0.00E+00	4.89E-02	2.10E-07	6.16E-09	2.82E-01	5.09E-03	1.59E-01	2.54E-03	3.32E-03	7.87E-01	1.81E-01	0.00E+00	2.46E-09	3.17E-08	3.68E-03	9.42E-05	2.42E-04	0.00E+00	1.81E-01	4.45E-08	1.81E-01	2.42E-01	2.42E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-01	
	FWQ62P	3.92E-03	1.87E-04	3.45E-01	1.35E-04	0.00E+00	0.00E+00	1.48E-01	1.36E-04	1.33E-03	7.11E-02	0.00E+00	2.96E-02	1.48E-07	1.34E-09	2.02E-01	4.83E-03	1.19E-01	2.54E-03	3.16E-03	7.47E-01	1.72E-01	0.00E+00	3.32E-09	3.01E-08	3.50E-03	8.94E-05	2.30E-04	0.00E+00	1.72E-01	4.23E-08	1.72E-01	1.95E-01	2.30E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-01	
	FWQ63P	5.04E-03	2.24E-04	4.20E-01	1.82E-04	0.00E+00	0.00E+00	2.61E-01	2.49E-04	2.40E-03	1.50E-02	0.00E+00	4.42E-02	2.00E-07	5.84E-09	2.71E-01	4.83E-03	1.51E-01	2.54E-03	3.16E-03	7.47E-01	1.72E-01	0.00E+00	3.32E-09	3.01E-08	3.50E-03	8.94E-05	2.30E-04	0.00E+00	1.72E-01	4.23E-08	1.72E-01	1.95E-01	2.30E-04	0.00E+00	0.00E+00	0.00E+00	1.36E-01	
	FWQ64P	6.74E-03	2.77E-04	5.23E-01	2.28E-04	0.00E+00	0.00E+00	3.23E-01	3.07E-04	2.97E-03	1.85E-02	0.00E+00	5.66E-02	2.47E-07	7.22E-09	3.38E-01	5.97E-03	1.66E-01	2.54E-03	3.97E-03	9.22E-01	2.13E-01	0.00E+00	2.87E-09	3.72E-08	4.32E-03	1.10E-04	2.84E-04	0.00E+00	2.13E-01	5.22E-08	2.13E-01	2.41E-01	2.84E-04	0.00E+00	0.00E+00	0.00E+00	1.66E-01	
	FWQ74P	6.75E-03	3.00E-04	5.63E-01	2.41E-04	0.00E+00	0.00E+00	3.58E-01	3.39E-04	3.32E-03	2.00E-02	0.00E+00	5.91E-02	2.67E-07	7.82E-09	3.62E-01	6.46E-03	2.02E-01	2.54E-03	4.23E-03	9.98E-01	2.30E-01	0.00E+00	3.11E-09	4.03E-08	4.68E-03	1.19E-04	3.07E-04	0.00E+00	2.30E-01	5.65E-08	2.30E-01	2.81E-01	3.07E-04	0.00E+00	0.00E+00	0.00E+00	1.81E-01	
	FWU31L	4.02E-03	1.79E-04	3.35E-01	1.48E-04	0.00E+00	0.00E+00	2.08E-01	1.98E-04	1.92E-03	1.18E-02	0.00E+00	3.32E-02	1.59E-07	4.68E-09	2.18E-01	3.85E-03	1.22E-01	1.83E-03	2.52E-03	5.92E-01	1.37E-01	0.00E+00	1.88E-09	2.40E-08	2.79E-03	7.12E-05	1.83E-04	0.00E+00	1.37E-01	3.37E-08	1.37E-01	1.61E-01	1.83E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-01	
	FWU31S	3.72E-03	1.66E-04	3.10E-01	1.36E-04	0.00E+00	0.00E+00	1.94E-01	1.84E-04	1.77E-03	1.10E-02	0.00E+00	3.26E-02	1.47E-07	4.31E-09	2.01E-01	3.58E-03	1.12E-01	2.54E-03	2.58E-03	6.09E-01	1.27E-01	0.00E+00	1.72E-09	2.23E-08	2.60E-03	6.70E-05	1.70E-04	0.00E+00	1.27E-01	3.12E-08	1.27E-							

FWU73N	8.99E-03	3.99E-00	7.50E-01	3.24E-00	0.00E+00	0.00E+00	4.66E-01	4.43E-02	4.29E-03	2.87E-02	0.00E+00	7.88E-02	3.56E-01	1.64E-08	4.83E-01	8.62E-02	2.68E-01	2.87E-03	5.63E-03	1.33E-00	3.07E-01	0.00E+00	4.14E-08	5.37E-08	6.23E-03	1.55E-04	4.09E-00	0.00E+00	3.07E-01	7.53E-09	3.07E-01	3.48E-01	4.09E-00	0.00E+00	0.00E+00	0.00E+00	3.42E-01		
FWU73S	9.03E-03	4.01E-00	7.52E-01	3.25E-00	0.00E+00	0.00E+00	4.67E-01	4.45E-02	4.30E-03	2.88E-02	0.00E+00	7.90E-02	3.57E-01	1.64E-08	4.84E-01	8.64E-02	2.69E-01	2.87E-03	5.65E-03	1.33E+00	3.08E-01	0.00E+00	4.15E-08	5.39E-08	6.25E-03	1.56E-04	4.10E+00	0.00E+00	3.08E-01	7.55E-09	3.08E-01	3.49E-01	4.10E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-01		
FWU73S1	9.02E-03	4.01E-00	7.52E-01	3.24E-00	0.00E+00	0.00E+00	4.67E-01	4.45E-02	4.30E-03	2.88E-02	0.00E+00	7.90E-02	3.57E-01	1.64E-08	4.84E-01	8.64E-02	2.69E-01	2.87E-03	5.65E-03	1.33E+00	3.08E-01	0.00E+00	4.15E-08	5.39E-08	6.25E-03	1.56E-04	4.10E+00	0.00E+00	3.08E-01	7.55E-09	3.08E-01	3.49E-01	4.10E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-01		
FZ005N	2.26E-02	1.15E-00	2.17E-01	9.36E-01	0.00E+00	0.00E+00	1.35E-01	1.26E-05	1.24E-03	1.72E-03	0.00E+00	2.28E-02	1.03E-07	3.01E-09	1.28E-01	2.49E-02	7.09E-02	0.00E+00	1.82E-03	3.83E-01	1.26E-01	0.00E+00	1.20E-08	1.53E-08	1.80E-03	4.62E-05	1.18E+00	0.00E+00	8.87E-02	2.18E-06	3.08E-01	3.01E-01	1.18E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	6.87E-02	
FZ006N	2.30E-02	1.06E-00	2.00E-01	8.61E-01	0.00E+00	0.00E+00	1.24E-01	1.18E-05	1.14E-03	1.70E-03	0.00E+00	2.16E-02	9.49E-08	2.77E-09	1.28E-01	2.29E-02	7.07E-02	0.00E+00	1.83E-03	3.57E-01	1.16E-01	0.00E+00	1.14E-08	1.43E-08	1.63E-03	4.26E-05	1.09E+00	0.00E+00	8.16E-02	2.10E-06	8.16E-02	9.25E-01	1.09E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	6.87E-02	
FZ010N	3.88E-03	1.63E-00	3.08E-01	1.33E-00	0.00E+00	0.00E+00	1.91E-01	1.82E-05	1.76E-03	1.69E-02	0.00E+00	3.23E-02	1.46E-07	4.27E-09	1.97E-01	3.53E-02	1.09E-01	0.00E+00	2.30E-03	5.43E-01	1.26E-01	0.00E+00	1.70E-08	2.20E-08	2.55E-03	6.52E-05	1.68E+00	0.00E+00	1.26E-01	3.08E-06	1.26E-01	1.42E-01	1.68E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	8.86E-02	
FZ011N	2.80E-03	1.35E-00	2.17E-01	9.36E-01	0.00E+00	0.00E+00	1.35E-01	1.26E-05	1.24E-03	1.72E-03	0.00E+00	2.28E-02	1.03E-07	3.01E-09	1.28E-01	2.49E-02	7.09E-02	0.00E+00	1.82E-03	3.83E-01	1.26E-01	0.00E+00	1.20E-08	1.53E-08	1.80E-03	4.62E-05	1.18E+00	0.00E+00	8.87E-02	2.18E-06	3.08E-01	3.01E-01	1.18E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	6.87E-02	
FZ014N	3.88E-03	1.63E-00	3.08E-01	1.33E-00	0.00E+00	0.00E+00	1.91E-01	1.82E-05	1.76E-03	1.69E-02	0.00E+00	3.23E-02	1.46E-07	4.27E-09	1.97E-01	3.53E-02	1.09E-01	0.00E+00	2.30E-03	5.43E-01	1.26E-01	0.00E+00	1.70E-08	2.20E-08	2.55E-03	6.52E-05	1.68E+00	0.00E+00	1.26E-01	3.08E-06	1.26E-01	1.42E-01	1.68E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	8.86E-02	
FZ021N	2.80E-03	1.35E-00	2.17E-01	9.36E-01	0.00E+00	0.00E+00	1.35E-01	1.26E-05	1.24E-03	1.72E-03	0.00E+00	2.28E-02	1.03E-07	3.01E-09	1.28E-01	2.49E-02	7.09E-02	0.00E+00	1.82E-03	3.83E-01	1.26E-01	0.00E+00	1.20E-08	1.53E-08	1.80E-03	4.62E-05	1.18E+00	0.00E+00	8.87E-02	2.18E-06	3.08E-01	3.01E-01	1.18E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	6.87E-02	
FZ021N	3.88E-03	1.63E-00	3.08E-01	1.33E-00	0.00E+00	0.00E+00	1.91E-01	1.82E-05	1.76E-03	1.69E-02	0.00E+00	3.23E-02	1.46E-07	4.27E-09	1.97E-01	3.53E-02	1.09E-01	0.00E+00	2.30E-03	5.43E-01	1.26E-01	0.00E+00	1.70E-08	2.20E-08	2.55E-03	6.52E-05	1.68E+00	0.00E+00	1.26E-01	3.08E-06	1.26E-01	1.42E-01	1.68E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	8.86E-02	
FZ026N	2.80E-03	1.35E-00	2.17E-01	9.36E-01	0.00E+00	0.00E+00	1.35E-01	1.26E-05	1.24E-03	1.72E-03	0.00E+00	2.28E-02	1.03E-07	3.01E-09	1.28E-01	2.49E-02	7.09E-02	0.00E+00	1.82E-03	3.83E-01	1.26E-01	0.00E+00	1.20E-08	1.53E-08	1.80E-03	4.62E-05	1.18E+00	0.00E+00	8.87E-02	2.18E-06	3.08E-01	3.01E-01	1.18E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	6.87E-02	
FZ402	1.04E-04	4.83E-02	8.73E-03	3.76E-02	0.00E+00	0.00E+00	5.42E-01	5.15E-07	4.93E-05	3.10E-04	0.00E+00	9.16E-04	4.15E-03	1.21E-10	5.60E-03	1.00E-04	3.00E-03	0.00E+00	6.53E-09	1.54E-02	3.57E-01	0.00E+00	4.82E-10	6.24E-10	7.23E-05	1.80E-06	4.76E-02	0.00E+00	3.57E-01	8.75E-10	3.57E-01	4.34E-01	4.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-03	
FZ403	1.05E-04	4.70E-02	8.84E-03	3.81E-02	0.00E+00	0.00E+00	5.49E-01	5.22E-07	5.05E-05	3.14E-04	0.00E+00	9.28E-04	4.20E-03	1.23E-10	5.67E-03	1.02E-04	3.14E-03	1.35E-05	6.62E-05	1.56E-02	3.61E-01	0.00E+00	4.88E-10	6.32E-10	7.34E-05	1.87E-06	4.82E-02	0.00E+00	3.61E-01	8.86E-10	3.61E-01	4.09E-01	4.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-03	
FZ708D	5.91E-03	2.12E-00	3.99E-01	1.72E-00	0.00E+00	0.00E+00	2.48E-01	2.36E-02	2.28E-02	1.42E-02	0.00E+00	4.19E-02	1.90E-07	5.54E-09	2.58E-01	4.58E-02	1.42E-01	8.20E-04	2.99E-02	7.06E-01	1.62E-01	0.00E+00	2.20E-08	2.80E-08	3.22E-03	8.44E-05	2.18E+00	0.00E+00	1.62E-01	4.02E-06	1.62E-01	1.88E-01	2.18E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	6.87E-02	
HK1000AB	2.80E-03	1.35E-00	2.17E-01	9.36E-01	0.00E+00	0.00E+00	1.35E-01	1.26E-05	1.24E-03	1.72E-03	0.00E+00	2.28E-02	1.03E-07	3.01E-09	1.28E-01	2.49E-02	7.09E-02	0.00E+00	1.82E-03	3.83E-01	1.26E-01	0.00E+00	1.20E-08	1.53E-08	1.80E-03	4.62E-05	1.18E+00	0.00E+00	8.87E-02	2.18E-06	3.08E-01	3.01E-01	1.18E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	6.87E-02	
JP002	1.88E-02	1.44E-02	5.99E-04	1.44E-02	0.00E+00	0.00E+00	4.15E-02	9.80E-08	4.99E-08	4.97E-05	0.00E+00	7.93E-08	2.41E-10	1.29E-11	2.31E-03	5.83E-08	3.24E-03	3.39E-03	2.81E-05	6.97E-03	6.24E-02	0.00E+00	5.66E-11	1.20E-10	1.01E-05	5.21E-07	9.36E-03	0.00E+00	6.24E-02	2.22E-10	6.24E-02	7.71E-02	9.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	
JP011	1.88E-02	1.44E-02	5.99E-04	1.44E-02	0.00E+00	0.00E+00	4.15E-02	9.80E-08	4.99E-08	4.97E-05	0.00E+00	7.93E-08	2.41E-10	1.29E-11	2.31E-03	5.83E-08	3.24E-03	3.39E-03	2.81E-05	6.97E-03	6.24E-02	0.00E+00	5.66E-11	1.20E-10	1.01E-05	5.21E-07	9.36E-03	0.00E+00	6.24E-02	2.22E-10	6.24E-02	7.71E-02	9.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	
JP015	3.88E-03	1.63E-00	3.08E-01	1.33E-00	0.00E+00	0.00E+00	1.91E-01	1.82E-05	1.76E-03	1.69E-02	0.00E+00	3.23E-02	1.46E-07	4.27E-09	1.97E-01	3.53E-02	1.09E-01	0.00E+00	2.30E-03	5.43E-01	1.26E-01	0.00E+00	1.70E-08	2.20E-08	2.55E-03	6.52E-05	1.68E+00	0.00E+00	1.26E-01	3.08E-06	1.26E-01	1.42E-01	1.68E+00	0.00E+00	0.00E+00	0.00E+00	3.00E+00	8.86E-02	
KU33AHE	4.01E-04	3.91E-01	4.01E-02	1.76E-01	0.00E+00	0.00E+00	2.37E-00	2.37E-00	2.23E-04	4.33E-00	0.00E+00	4.29E-03	1.29E-08	5.57E-10	2.92E-01	5.87E-04	1.69E-01	0.00E+00	2.00E+00	3.33E-04	0.00E+00	2.87E-09	3.00E-09	3.33E-04	3.00E-09	2.87E-09	3.00E-09	2.87E-09	3.00E-09	2.87E-09	3.00E-09	2.87E-09	3.00E-09	2.87E-09	3.00E-09	2.87E-09	3.00E-09	2.87E-09	3.00E-09
KU33AHZ	1.55E-03	6.90E-01	1.30E-01	5.60E-01	0.00E+00	0.00E+00	6.69E-00	7.87E-08	7.42E-04	4.61E-03	0.00E+00	1.36E-02	6.17E-04	1.80E-09	6.33E-02	1.49E-02	4.60E-02	0.00E+00	9.71E-04	2.29E-01	5.31E-00	0.00E+00	1.71E-09	9.29E-09	1.08E-03	2.75E-05	7.08E-01	0.00E+00	5.31E-00	1.30E-06	5.31E-00	6.01E-00	7.86E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-02	
KU33LHE	3.29E-04	1.48E-01	2.74E-02	1.18E-01	0.00E+00	0.00E+00	1.70E-00	1.62E-08	1.97E-04	9.75E-04	0.00E+00	2.88E-03	1.30E-08	3.81E-10	1.78E-02	3.15E-04	9.72E-03	0.00E+00	2.05E-04	4.85E-02	1.12E-00	0.00E+00	1.52E-09	1.98E-09	2.28E-04	6.81E-06	1.56E-01	0.00E+00	1.12E-00	2.75E-04	1.12E-00	1.37E-00	1.50E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-03	
KU33OHZGB	6.80E-03	2.93E-00	5.51E-01	2.36E-00	0.00E+00	0.00E+00	3.42E-01	3.25E-08	3.19E-03	1.96E-02	0.00E+00	5.79E-02	2.62E-07	7.65E-09	3.52E-01	6.33E-02	1.95E-01	0.00E+00	4.12E-03	9.73E-01	2.29E-01	0.00E+00	3.04E-08	3.94E-08	4.58E-03	1.17E-04	3.00E+00	0.00E+00	2.29E-01	5.02E-06	2.29E-01	4.58E-01	3.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-01		
KU33VGAZ	1.26E-03	5.82E-02	2.31E-03	9.96E-03	0.00E+00	0.00E+00	6.65E-00	6.59E-08	6.05E-04	3.79E-06	0.00E+00	1.03E-02	4.98E-03	1.49E-08	6.06E-01	1.15E-02	5.90E-02	0.00E+00	8.00E-04	1.89E-01	4.37E-00	0.00E+00	5.97E-09	7.85E-09	9.00E-04	2.27E-05	5.83E-01	0.00E+00	4.37E-00	1.57E-08	5.83E-01	2.90E-01	4.37E-00	5.83E-01	2.90E-01	4.37E-00	5.83E-01	2.90E-01	
KU33VGLZ	1.17E-03	5.21E-02	3.81E-02	4.23E-01	0.00E+00	0.00E+00	6.65E-00	5.79E-08	5.61E-04	3.45E-03	0.00E+00	1.03E-02	4.98E-03	1.36E-08	6.28E-02	1.13E-02	3.48E-02	0.00E+00	7.34E-04	1.73E-01	4.01E-00	0.00E+00	5.42E-09	7.02E-09	8.15E-04	2.08E-05	5.36E-01	0.00E+00	4.01E-00	8.83E-06	4.01E-00	4.34E-00	5.36E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-02	
KU40XXE	3.60E-04	1.60E-01	3.01E-02	1.30E-01	0.00E+00	0.00E+00	1.87E-00	1.77E-08	1.72E-04	1.07E-03	0.00E+00	3.16E-03	1.43																										

UE21A0	4.75E-4	3.11E-1	3.95E-2	1.71E-1	0.00E+0	0.00E+0	2.46E-1	2.34E-0	2.27E-4	1.41E-3	0.00E+0	4.16E-3	1.88E-4	5.50E-1	2.54E-2	4.55E-4	1.40E-2	0.00E+0	2.95E-4	7.09E-2	1.62E+0	0.00E+0	2.19E-0	2.83E-0	3.20E-4	8.45E-0	2.95E-1	0.00E+0	1.62E+0	3.97E-0	1.62E+0	1.84E+0	3.16E-1	0.00E+0	0.00E+0	0.00E+0	1.27E-2
UE21D1	6.83E-4	3.13E-1	5.54E-2	2.97E-1	0.00E+0	0.00E+0	3.48E-1	3.37E-0	3.30E-4	2.01E-3	0.00E+0	5.93E-3	2.83E-4	7.79E-1	3.86E-2	6.39E-4	2.43E-2	5.71E-3	4.52E-4	1.07E-1	2.33E+0	0.00E+0	3.10E-0	4.09E-0	4.89E-4	1.24E-0	3.12E-1	0.00E+0	2.33E+0	5.82E-0	2.33E+0	2.94E+0	3.12E-1	0.00E+0	0.00E+0	0.00E+0	1.94E-2
UE21D3	6.80E-4	3.13E-1	5.54E-2	2.97E-1	0.00E+0	0.00E+0	3.48E-1	3.37E-0	3.30E-4	2.01E-3	0.00E+0	5.93E-3	2.83E-4	7.79E-1	3.86E-2	6.39E-4	2.43E-2	5.71E-3	4.52E-4	1.07E-1	2.33E+0	0.00E+0	3.10E-0	4.09E-0	4.89E-4	1.24E-0	3.12E-1	0.00E+0	2.33E+0	5.82E-0	2.33E+0	2.94E+0	3.12E-1	0.00E+0	0.00E+0	0.00E+0	1.94E-2
UE21E0	4.90E-4	2.17E-1	4.09E-2	1.76E-1	0.00E+0	0.00E+0	2.54E-1	2.42E-0	2.34E-4	1.45E-3	0.00E+0	4.30E-3	1.94E-4	5.89E-1	2.82E-2	4.70E-4	1.45E-2	0.00E+0	3.96E-4	7.22E-2	1.67E+0	0.00E+0	2.26E-0	2.93E-0	3.40E-4	8.67E-0	2.92E-1	0.00E+0	1.67E+0	4.15E-0	1.67E+0	1.89E+0	3.25E-1	0.00E+0	0.00E+0	0.00E+0	1.31E-2
UE21E2B	4.90E-4	2.17E-1	4.09E-2	1.76E-1	0.00E+0	0.00E+0	2.54E-1	2.42E-0	2.34E-4	1.45E-3	0.00E+0	4.30E-3	1.94E-4	5.89E-1	2.82E-2	4.70E-4	1.45E-2	0.00E+0	3.96E-4	7.22E-2	1.67E+0	0.00E+0	2.26E-0	2.93E-0	3.40E-4	8.67E-0	2.92E-1	0.00E+0	1.67E+0	4.15E-0	1.67E+0	1.89E+0	3.25E-1	0.00E+0	0.00E+0	0.00E+0	1.31E-2
UE21E5	5.99E-4	2.66E-1	5.01E-2	2.16E-1	0.00E+0	0.00E+0	3.11E-1	2.96E-0	2.86E-4	1.79E-3	0.00E+0	5.20E-3	2.36E-4	6.95E-1	3.21E-2	5.75E-4	1.77E-2	0.00E+0	3.74E-4	8.84E-2	2.05E+0	0.00E+0	2.76E-0	3.58E-0	4.16E-4	1.09E-0	2.72E-1	0.00E+0	2.05E+0	5.02E-0	2.05E+0	2.32E+0	2.75E-1	0.00E+0	0.00E+0	0.00E+0	1.61E-2
UE22E0	8.05E-4	3.59E-1	6.78E-2	2.91E-1	0.00E+0	0.00E+0	4.20E-1	3.99E-0	3.86E-4	2.40E-3	0.00E+0	7.19E-3	3.21E-4	9.33E-1	4.34E-2	7.77E-4	2.39E-2	0.00E+0	5.05E-4	1.19E-1	2.79E+0	0.00E+0	3.75E-0	4.83E-0	5.61E-4	1.43E-0	3.86E-1	0.00E+0	2.79E+0	6.77E-0	2.79E+0	3.15E+0	3.85E-1	0.00E+0	0.00E+0	0.00E+0	2.17E-2
UE22E5	8.05E-4	3.59E-1	6.78E-2	2.91E-1	0.00E+0	0.00E+0	4.20E-1	3.99E-0	3.86E-4	2.40E-3	0.00E+0	7.19E-3	3.21E-4	9.33E-1	4.34E-2	7.77E-4	2.39E-2	0.00E+0	5.05E-4	1.19E-1	2.79E+0	0.00E+0	3.75E-0	4.83E-0	5.61E-4	1.43E-0	3.86E-1	0.00E+0	2.79E+0	6.77E-0	2.79E+0	3.15E+0	3.85E-1	0.00E+0	0.00E+0	0.00E+0	2.17E-2
UE22PEN	7.24E-4	3.70E-1	6.89E-2	3.01E-1	0.00E+0	0.00E+0	4.28E-1	4.09E-0	3.94E-4	2.46E-3	0.00E+0	7.24E-3	3.27E-4	9.59E-1	4.27E-2	7.91E-4	2.54E-2	1.14E-3	5.22E-4	1.24E-1	2.81E+0	0.00E+0	3.81E-0	4.93E-0	5.74E-4	1.47E-0	3.78E-1	0.00E+0	2.83E+0	6.89E-0	2.83E+0	3.27E+0	3.78E-1	0.00E+0	0.00E+0	0.00E+0	2.25E-2
UE22PEN	7.24E-4	3.70E-1	6.89E-2	3.01E-1	0.00E+0	0.00E+0	4.28E-1	4.09E-0	3.94E-4	2.46E-3	0.00E+0	7.24E-3	3.27E-4	9.59E-1	4.27E-2	7.91E-4	2.54E-2	1.14E-3	5.22E-4	1.24E-1	2.81E+0	0.00E+0	3.81E-0	4.93E-0	5.74E-4	1.47E-0	3.78E-1	0.00E+0	2.83E+0	6.89E-0	2.83E+0	3.27E+0	3.78E-1	0.00E+0	0.00E+0	0.00E+0	2.25E-2
UE31E2B	5.81E-4	2.58E-1	4.89E-2	2.09E-1	0.00E+0	0.00E+0	3.11E-1	2.88E-0	2.77E-4	1.72E-3	0.00E+0	5.09E-3	2.30E-4	6.73E-1	3.11E-2	5.97E-4	1.72E-2	0.00E+0	3.63E-4	8.57E-2	1.99E+0	0.00E+0	2.68E-0	3.47E-0	4.03E-4	1.03E-0	2.94E-1	0.00E+0	1.99E+0	4.89E-0	1.99E+0	2.25E+0	2.84E-1	0.00E+0	0.00E+0	0.00E+0	1.56E-2
UES2K4N	1.43E-3	8.33E-1	1.19E-1	5.16E-1	0.00E+0	0.00E+0	7.40E-1	7.05E-0	6.82E-4	4.24E-3	0.00E+0	1.25E-2	5.99E-4	1.66E-0	7.68E-2	1.37E-1	4.29E-2	2.79E-4	8.96E-4	2.12E-1	4.89E+0	0.00E+0	6.59E-0	8.34E-0	9.37E-4	2.53E-0	6.91E-1	0.00E+0	4.89E+0	1.20E-0	4.89E+0	5.33E+0	6.91E-1	0.00E+0	0.00E+0	0.00E+0	3.80E-2
UG412	8.01E-4	3.88E-1	7.17E-2	3.16E-1	0.00E+0	0.00E+0	4.48E-1	4.27E-0	4.11E-4	2.56E-3	0.00E+0	7.54E-3	3.40E-4	9.98E-1	4.72E-2	8.23E-4	2.72E-2	2.07E-3	5.51E-4	1.30E-1	2.95E+0	0.00E+0	3.97E-0	5.17E-0	5.99E-4	1.54E-0	3.95E-1	0.00E+0	2.95E+0	7.29E-0	2.95E+0	3.30E+0	3.95E-1	0.00E+0	0.00E+0	0.00E+0	2.36E-2
UG81S3	1.01E-3	4.42E-1	8.48E-2	3.65E-1	0.00E+0	0.00E+0	3.25E-1	4.99E-0	4.83E-4	3.01E-3	0.00E+0	6.98E-3	4.02E-4	1.17E-0	5.43E-2	9.72E-4	3.02E-2	1.97E-3	6.33E-4	1.69E-1	3.44E+0	0.00E+0	4.67E-0	6.02E-0	7.02E-4	1.79E-0	4.61E-1	0.00E+0	3.44E+0	8.48E-0	3.44E+0	3.92E+0	4.61E-1	0.00E+0	0.00E+0	0.00E+0	2.72E-2
UK21A3	5.14E-4	2.32E-1	4.29E-2	1.85E-1	0.00E+0	0.00E+0	2.67E-1	2.54E-0	2.45E-4	1.53E-3	0.00E+0	4.51E-3	2.04E-4	5.99E-1	2.75E-2	4.93E-4	1.52E-2	0.00E+0	3.21E-4	7.58E-2	1.79E+0	0.00E+0	2.37E-0	3.07E-0	3.57E-4	9.10E-0	2.34E-1	0.00E+0	1.79E+0	4.30E-0	1.79E+0	1.99E+0	2.34E-1	0.00E+0	0.00E+0	0.00E+0	1.36E-2
UK21LH0	4.69E-4	2.06E-1	3.91E-2	1.62E-1	0.00E+0	0.00E+0	2.43E-1	2.31E-0	2.22E-4	1.39E-3	0.00E+0	4.11E-3	1.89E-4	6.43E-1	2.51E-2	4.43E-4	1.39E-2	0.00E+0	2.92E-4	6.91E-2	1.69E+0	0.00E+0	2.16E-0	2.85E-0	3.22E-4	8.29E-0	2.12E-1	0.00E+0	1.69E+0	3.92E-0	1.69E+0	1.81E+0	2.12E-1	0.00E+0	0.00E+0	0.00E+0	1.26E-2
UK21LH1	5.98E-4	2.52E-1	4.75E-2	2.06E-1	0.00E+0	0.00E+0	2.95E-1	2.83E-0	2.72E-4	1.69E-3	0.00E+0	4.93E-3	2.20E-4	6.95E-1	3.05E-2	5.46E-4	1.68E-2	0.00E+0	3.55E-4	8.39E-2	1.94E+0	0.00E+0	2.62E-0	3.40E-0	3.95E-4	1.01E-0	2.56E-1	0.00E+0	1.94E+0	4.76E-0	1.94E+0	2.20E+0	2.56E-1	0.00E+0	0.00E+0	0.00E+0	1.53E-2
UK21R1	5.14E-4	2.32E-1	4.29E-2	1.85E-1	0.00E+0	0.00E+0	2.67E-1	2.54E-0	2.45E-4	1.53E-3	0.00E+0	4.51E-3	2.04E-4	5.99E-1	2.75E-2	4.94E-4	1.52E-2	0.00E+0	3.21E-4	7.58E-2	1.79E+0	0.00E+0	2.37E-0	3.07E-0	3.57E-4	9.10E-0	2.34E-1	0.00E+0	1.79E+0	4.31E-0	1.79E+0	1.99E+0	2.34E-1	0.00E+0	0.00E+0	0.00E+0	1.36E-2
UK21S1	5.14E-4	2.32E-1	4.29E-2	1.85E-1	0.00E+0	0.00E+0	2.67E-1	2.54E-0	2.45E-4	1.53E-3	0.00E+0	4.51E-3	2.04E-4	5.99E-1	2.75E-2	4.94E-4	1.52E-2	0.00E+0	3.21E-4	7.58E-2	1.79E+0	0.00E+0	2.37E-0	3.07E-0	3.57E-4	9.10E-0	2.34E-1	0.00E+0	1.79E+0	4.31E-0	1.79E+0	1.99E+0	2.34E-1	0.00E+0	0.00E+0	0.00E+0	1.36E-2
UK31C2	8.73E-4	3.87E-1	7.29E-2	3.14E-1	0.00E+0	0.00E+0	4.53E-1	4.31E-0	4.17E-4	2.59E-3	0.00E+0	7.86E-3	3.46E-4	9.01E-0	4.68E-2	8.36E-4	2.58E-2	0.00E+0	5.42E-4	1.29E-1	2.98E+0	0.00E+0	4.02E-0	5.21E-0	6.06E-4	1.54E-0	3.98E-1	0.00E+0	2.98E+0	7.31E-0	2.98E+0	3.38E+0	3.98E-1	0.00E+0	0.00E+0	0.00E+0	2.43E-2
UL25B9	3.90E-5	1.82E-2	1.88E-3	1.65E-2	0.00E+0	0.00E+0	1.13E-1	1.65E-1	1.37E-5	8.99E-6	0.00E+0	1.86E-4	7.71E-1	4.12E-1	2.38E-3	3.99E-5	2.42E-3	2.05E-4	9.64E-3	6.53E-1	1.26E-1	0.00E+0	3.82E-1	3.91E-1	2.46E-5	9.93E-7	1.46E-2	0.00E+0	1.26E-1	1.79E-0	1.26E-1	1.41E-1	1.46E-2	0.00E+0	0.00E+0	0.00E+0	5.52E-1
UM00H1	5.00E-4	2.24E-1	4.22E-2	1.82E-1	0.00E+0	0.00E+0	2.62E-1	2.49E-0	2.42E-4	1.50E-3	0.00E+0	4.44E-3	2.01E-4	6.97E-1	2.71E-2	4.85E-4	1.40E-2	0.00E+0	3.16E-4	7.68E-2	1.72E+0	0.00E+0	2.32E-0	3.02E-0	3.51E-4	8.95E-0	2.36E-1	0.00E+0	1.72E+0	4.23E-0	1.72E+0	1.96E+0	2.36E-1	0.00E+0	0.00E+0	0.00E+0	1.36E-2
UM00H2	5.00E-4	2.24E-1	4.22E-2	1.82E-1	0.00E+0	0.00E+0	2.62E-1	2.49E-0	2.42E-4	1.50E-3	0.00E+0	4.44E-3	2.01E-4	6.97E-1	2.71E-2	4.85E-4	1.40E-2	0.00E+0	3.16E-4	7.68E-2	1.72E+0	0.00E+0	2.32E-0	3.02E-0	3.51E-4	8.95E-0	2.36E-1	0.00E+0	1.72E+0	4.23E-0	1.72E+0	1.96E+0	2.36E-1	0.00E+0	0.00E+0	0.00E+0	1.36E-2
UM00K1	5.00E-4	2.24E-1	4.22E-2	1.82E-1	0.00E+0	0.00E+0	2.62E-1	2.49E-0	2.42E-4	1.50E-3	0.00E+0	4.44E-3	2.01E-4	6.97E-1	2.71E-2	4.85E-4	1.40E-2	0.00E+0	3.16E-4	7.68E-2	1.72E+0	0.00E+0	2.32E-0	3.02E-0	3.51E-4	8.95E-0	2.36E-1	0.00E+0	1.72E+0	4.23E-0	1.72E+0	1.96E+0	2.36E-1	0.00E+0	0.00E+0	0.00E+0	1.36E-2
UM00K2	5.00E-4	2.24E-1	4.22E-2	1.82E-1	0.00E+0	0.00E+0	2.62E-1	2.49E-0	2.42E-4	1.50E-3	0.00E+0	4.44E-3	2.01E-4	6.97E-1	2.71E-2	4.85E-4	1.40E-2	0.00E+0	3.16E-4	7.68E-2	1.72E+0	0.00E+0	2.32E-0	3.02E-0	3.51E-4	8.95E-0	2.36E-1	0.00E+0	1.72E+0	4.23E-0	1.72E+0	1.96E+0	2.36E-1	0.00E+0	0.00E+0	0.00E+0	1.36E-2
UM00M0	4.71E-5	1.41E-2	9.87E-4	4.04E-2	0.00E+0	0.00E+0	9.07E-2	2.60E-1	1.18E-5	1.17E-4	0.00E+0	1.81E-4	4.67E-1	3.08E-1	6.52E-3	1.13E-5	9.45E-3	1.91E-2	7.34E-5	1.98E-2	1.64E-1	0.00E+0	1.40E-1	3.19E-1	2.57E-5	1.44E-0	2.56E-2	0.00E+0	1.64E-1	6.11E-1	1.64E-1	3.50E-1	2.56E-2	0.00E+0	0.00E+0	0.00E+0	3.41E-3
UM00M1	7.98E-4	3.42E-1	6.24E-2	2.80E-1	0.00E+0	0.00E+0	3.88E-1	3.74E-0	3.59E-4	2.24E-3	0.00E+0	6.58E-3	2.98E-4	8.71E-1	4.18E-2	7.17E-4	2.48E-2	0.00E+0	4.88E-4	1.16E-1	2.99E+0	0.00E+0	3.47E-0	4.54E-0	5.24E-4	1.38E-0	3.46E-1	0.00E+0	2.99E+0	6.41E-0	2.99E+0	3.46E-1	0.00E+0	0.00E			

FR22E1	2.21E+01	4.97E+01	3.44E+01	4.63E+01	0.00E+00	0.00E+00	6.38E+02	1.30E+01	4.63E+02	4.66E+01	0.00E+00	-1.52E+01	6.64E+01	1.43E+01	3.52E+00	1.18E+02	9.72E+04	0.00E+00	4.44E+02	2.02E+00	7.27E+02	0.00E+00	5.41E+01	2.40E+01	1.20E+01	5.57E+01	7.50E+01	0.00E+00	7.27E+02	1.54E+01	7.27E+02	8.02E+02	7.50E+01	0.00E+00	0.00E+00	1.57E+04
FR22E2	2.29E+01	5.20E+01	3.53E+01	4.65E+01	0.00E+00	0.00E+00	6.69E+02	1.35E+01	4.83E+02	4.86E+01	0.00E+00	-1.52E+01	6.64E+01	1.50E+01	3.68E+00	1.23E+02	9.72E+04	0.00E+00	4.59E+02	2.02E+00	7.37E+02	0.00E+00	5.65E+01	2.49E+01	1.20E+01	5.61E+01	7.75E+01	0.00E+00	7.37E+02	1.58E+01	7.37E+02	8.35E+02	7.75E+01	0.00E+00	0.00E+00	1.60E+04
FR22G1	2.67E+01	5.88E+01	3.96E+01	5.48E+01	0.00E+00	0.00E+00	7.40E+02	1.50E+01	5.38E+02	5.40E+01	0.00E+00	-1.74E+01	7.08E+01	1.60E+01	4.08E+00	1.37E+02	9.72E+04	0.00E+00	5.13E+02	2.31E+00	8.43E+02	0.00E+00	6.28E+01	2.79E+01	1.20E+01	6.37E+01	8.68E+01	0.00E+00	8.43E+02	1.77E+01	8.43E+02	9.30E+02	8.68E+01	0.00E+00	0.00E+00	1.81E+04
FR22H2	3.06E+01	6.29E+01	4.48E+01	5.88E+01	0.00E+00	0.00E+00	7.78E+02	1.57E+01	5.34E+02	5.91E+01	0.00E+00	-1.72E+01	7.04E+01	1.69E+01	4.16E+00	1.45E+02	9.72E+04	0.00E+00	5.32E+02	2.28E+00	8.50E+02	0.00E+00	6.77E+01	2.99E+01	1.20E+01	6.57E+01	8.91E+01	0.00E+00	8.50E+02	1.89E+01	8.50E+02	9.16E+02	8.91E+01	0.00E+00	0.00E+00	1.87E+04
FR22S1	3.44E+01	6.71E+01	4.98E+01	6.29E+01	0.00E+00	0.00E+00	8.16E+02	1.63E+01	5.45E+02	6.41E+01	0.00E+00	-1.66E+01	6.86E+01	1.76E+01	4.30E+00	1.53E+02	9.72E+04	0.00E+00	5.50E+02	2.26E+00	8.58E+02	0.00E+00	7.14E+01	3.24E+01	1.20E+01	6.85E+01	9.25E+01	0.00E+00	8.58E+02	1.94E+01	8.58E+02	9.50E+02	9.25E+01	0.00E+00	0.00E+00	1.91E+04
FR22S2	3.29E+01	5.30E+01	3.53E+01	4.92E+01	0.00E+00	0.00E+00	6.69E+02	1.35E+01	4.52E+02	5.00E+01	0.00E+00	-1.50E+01	6.45E+01	1.45E+01	3.78E+00	1.23E+02	9.72E+04	0.00E+00	4.57E+02	2.00E+00	7.74E+02	0.00E+00	5.79E+01	2.33E+01	1.20E+01	5.57E+01	7.82E+01	0.00E+00	7.74E+02	1.62E+01	7.74E+02	8.32E+02	7.82E+01	0.00E+00	0.00E+00	1.60E+04
FR23E1	3.83E+01	6.33E+01	4.36E+01	5.85E+01	0.00E+00	0.00E+00	8.02E+02	1.62E+01	5.79E+02	5.90E+01	0.00E+00	-1.97E+01	8.18E+01	1.73E+01	4.41E+00	1.54E+02	1.15E+03	0.00E+00	4.27E+02	2.65E+00	9.09E+02	0.00E+00	6.77E+01	3.00E+01	1.20E+01	7.18E+01	9.38E+01	0.00E+00	9.09E+02	1.80E+01	9.09E+02	1.00E+03	9.38E+01	0.00E+00	0.00E+00	1.95E+04
FR23E2	4.20E+01	6.57E+01	4.51E+01	6.12E+01	0.00E+00	0.00E+00	8.48E+02	1.72E+01	5.99E+02	6.16E+01	0.00E+00	-1.97E+01	8.18E+01	1.89E+01	4.69E+00	1.57E+02	1.15E+03	0.00E+00	5.88E+02	2.62E+00	9.42E+02	0.00E+00	7.15E+01	3.17E+01	1.20E+01	7.22E+01	9.62E+01	0.00E+00	9.42E+02	2.03E+01	9.62E+02	1.00E+03	9.62E+01	0.00E+00	0.00E+00	2.07E+04
FR23G1	3.96E+01	6.73E+01	4.94E+01	6.68E+01	0.00E+00	0.00E+00	8.55E+02	1.65E+01	6.01E+02	6.80E+01	0.00E+00	-2.21E+01	9.21E+01	2.00E+01	5.00E+00	1.67E+02	1.15E+03	0.00E+00	6.14E+02	2.93E+00	1.04E+03	0.00E+00	7.43E+01	3.43E+01	1.20E+01	7.48E+01	1.02E+02	0.00E+00	1.04E+03	2.10E+01	1.04E+03	1.14E+03	1.02E+02	0.00E+00	0.00E+00	2.03E+04
FR23G2	3.30E+01	6.78E+01	5.09E+01	7.18E+01	0.00E+00	0.00E+00	9.62E+02	1.94E+01	6.88E+02	7.15E+01	0.00E+00	-2.21E+01	9.14E+01	2.13E+01	5.28E+00	1.77E+02	1.15E+03	0.00E+00	6.54E+02	2.93E+00	1.09E+03	0.00E+00	8.12E+01	3.58E+01	1.20E+01	8.11E+01	1.12E+02	0.00E+00	1.09E+03	2.23E+01	1.09E+03	1.20E+03	1.12E+02	0.00E+00	0.00E+00	2.30E+04
FR23H1	3.20E+01	6.51E+01	4.97E+01	7.01E+01	0.00E+00	0.00E+00	9.20E+02	1.87E+01	6.36E+02	7.04E+01	0.00E+00	-2.16E+01	9.30E+01	2.01E+01	5.23E+00	1.73E+02	1.15E+03	0.00E+00	6.39E+02	2.91E+00	1.07E+03	0.00E+00	8.00E+01	3.33E+01	1.20E+01	8.03E+01	1.08E+02	0.00E+00	1.07E+03	2.27E+01	1.07E+03	1.18E+03	1.08E+02	0.00E+00	0.00E+00	2.23E+04
FR23H2	3.33E+01	6.78E+01	5.12E+01	7.36E+01	0.00E+00	0.00E+00	9.66E+02	1.93E+01	6.86E+02	7.38E+01	0.00E+00	-2.16E+01	9.22E+01	2.10E+01	5.48E+00	1.80E+02	1.15E+03	0.00E+00	6.60E+02	2.91E+00	1.12E+03	0.00E+00	8.30E+01	3.48E+01	1.20E+01	8.08E+01	1.13E+02	0.00E+00	1.12E+03	2.33E+01	1.12E+03	1.13E+03	1.13E+02	0.00E+00	0.00E+00	2.32E+04
FR23S1	3.21E+01	6.42E+01	4.37E+01	5.96E+01	0.00E+00	0.00E+00	8.04E+02	1.63E+01	5.45E+02	6.02E+01	0.00E+00	-1.93E+01	8.21E+01	1.73E+01	4.58E+00	1.50E+02	1.15E+03	0.00E+00	5.59E+02	2.59E+00	9.34E+02	0.00E+00	6.86E+01	3.07E+01	1.20E+01	7.14E+01	8.50E+01	0.00E+00	9.34E+02	1.98E+01	9.34E+02	1.03E+03	8.50E+01	0.00E+00	0.00E+00	1.97E+04
FR23S2	2.97E+01	6.70E+01	4.52E+01	6.25E+01	0.00E+00	0.00E+00	8.49E+02	1.75E+01	5.71E+02	6.32E+01	0.00E+00	-1.95E+01	8.61E+01	1.85E+01	4.78E+00	1.56E+02	1.15E+03	0.00E+00	5.98E+02	2.59E+00	9.83E+02	0.00E+00	7.34E+01	3.23E+01	1.20E+01	7.19E+01	9.16E+01	0.00E+00	9.83E+02	2.05E+01	9.83E+02	1.06E+03	9.16E+01	0.00E+00	0.00E+00	2.06E+04
FR24E1	3.47E+01	6.91E+01	5.49E+01	7.26E+01	0.00E+00	0.00E+00	1.00E+03	2.04E+01	7.36E+02	7.30E+01	0.00E+00	-2.51E+01	1.01E+02	2.29E+01	5.51E+00	1.85E+02	1.34E+03	0.00E+00	6.92E+02	3.34E+00	1.14E+03	0.00E+00	8.45E+01	3.75E+01	2.02E+01	9.14E+01	1.17E+02	0.00E+00	1.14E+03	2.39E+01	1.14E+03	1.25E+03	1.17E+02	0.00E+00	0.00E+00	2.45E+04
FR24E2	3.44E+01	6.18E+01	5.67E+01	7.62E+01	0.00E+00	0.00E+00	1.06E+03	2.15E+01	7.09E+02	7.66E+01	0.00E+00	-2.54E+01	1.06E+02	2.36E+01	5.80E+00	1.99E+02	1.34E+03	0.00E+00	7.29E+02	3.34E+00	1.20E+03	0.00E+00	8.86E+01	3.94E+01	2.13E+01	9.16E+01	1.23E+02	0.00E+00	1.20E+03	2.50E+01	1.20E+03	1.32E+03	1.23E+02	0.00E+00	0.00E+00	2.58E+04
FR24G1	3.00E+01	6.90E+01	6.13E+01	8.39E+01	0.00E+00	0.00E+00	1.13E+03	2.28E+01	8.30E+02	8.36E+01	0.00E+00	-2.77E+01	1.13E+02	2.55E+01	6.19E+00	2.09E+02	1.34E+03	0.00E+00	7.75E+02	3.69E+00	1.29E+03	0.00E+00	9.52E+01	4.22E+01	2.31E+01	1.01E+02	1.32E+02	0.00E+00	1.29E+03	2.64E+01	1.29E+03	1.41E+03	1.32E+02	0.00E+00	0.00E+00	2.74E+04
FR24G2	4.05E+01	6.35E+01	6.20E+01	8.50E+01	0.00E+00	0.00E+00	1.18E+03	2.38E+01	8.69E+02	8.79E+01	0.00E+00	-2.77E+01	1.13E+02	2.65E+01	6.48E+00	2.14E+02	1.34E+03	0.00E+00	8.00E+02	3.69E+00	1.33E+03	0.00E+00	9.99E+01	4.40E+01	2.31E+01	1.02E+02	1.37E+02	0.00E+00	1.33E+03	2.78E+01	1.37E+03	1.47E+03	1.37E+02	0.00E+00	0.00E+00	2.83E+04
FR24H1	5.36E+01	6.27E+01	6.14E+01	8.62E+01	0.00E+00	0.00E+00	1.13E+03	2.28E+01	7.81E+02	8.66E+01	0.00E+00	-2.76E+01	1.13E+02	2.45E+01	6.35E+00	2.10E+02	1.34E+03	0.00E+00	7.78E+02	3.69E+00	1.30E+03	0.00E+00	9.77E+01	4.30E+01	2.30E+01	1.01E+02	1.32E+02	0.00E+00	1.30E+03	2.71E+01	1.30E+03	1.44E+03	1.32E+02	0.00E+00	0.00E+00	2.74E+04
FR24H2	4.07E+01	6.84E+01	6.32E+01	9.06E+01	0.00E+00	0.00E+00	1.18E+03	2.38E+01	8.14E+02	9.02E+01	0.00E+00	-2.76E+01	1.13E+02	2.58E+01	6.68E+00	2.20E+02	1.34E+03	0.00E+00	8.07E+02	3.69E+00	1.37E+03	0.00E+00	1.02E+01	4.49E+01	2.48E+01	1.01E+02	1.38E+02	0.00E+00	1.37E+03	2.82E+01	1.37E+03	1.50E+03	1.38E+02	0.00E+00	0.00E+00	2.83E+04
FR24S1	3.44E+01	7.98E+01	5.45E+01	7.41E+01	0.00E+00	0.00E+00	1.00E+03	2.03E+01	6.79E+02	7.48E+01	0.00E+00	-2.49E+01	1.02E+02	2.19E+01	5.65E+00	1.87E+02	1.34E+03	0.00E+00	6.94E+02	3.32E+00	1.12E+03	0.00E+00	8.87E+01	3.81E+01	2.07E+01	9.11E+01	1.16E+02	0.00E+00	1.12E+03	2.44E+01	1.16E+02	1.16E+02	1.16E+02	0.00E+00	0.00E+00	2.45E+04
FR24S2	3.81E+01	6.33E+01	4.94E+01	7.77E+01	0.00E+00	0.00E+00	1.06E+03	2.15E+01	6.20E+02	7.78E+01	0.00E+00	-2.49E+01	1.02E+02	2.30E+01	5.94E+00	1.97E+02	1.34E+03	0.00E+00	7.31E+02	3.32E+00	1.29E+03	0.00E+00	9.17E+01	4.01E+01	2.17E+01	9.16E+01	1.24E+02	0.00E+00	1.29E+03	2.57E+01	1.29E+03	1.34E+03	1.24E+02	0.00E+00	0.00E+00	2.56E+04
FR25E1	5.95E+01	6.24E+01	6.45E+01	8.59E+01	0.00E+00	0.00E+00	1.17E+03	2.37E+01	8.53E+02	8.60E+01	0.00E+00	-2.99E+01	1.17E+02	2.82E+01	6.41E+00	2.16E+02	1.52E+03	0.00E+00	8.08E+02	3.98E+00	1.32E+03	0.00E+00	9.83E+01	4.39E+01	2.37E+01	1.09E+02	1.37E+02	0.00E+00	1.32E+03	2.71E+01	1.37E+02	1.48E+03	1.37E+02	0.00E+00	0.00E+00	2.88E+04
FR25E2	4.24E+01	6.93E+01	6.68E+01	8.52E+01	0.00E+00	0.00E+00	1.24E+03	2.51E+01	8.67E+02	8.97E+01	0.00E+00	-2.99E+01	1.22E+02	2.77E+01	6.78E+00	2.28E+02	1.52E+03	0.00E+00	8.51E+02	3.98E+00	1.40E+03	0.00E+00	1.04E+01	4.51E+01	2.48E+01	1.09E+02	1.44E+02	0.00E+00	1.40E+03	2.92E+01	1.44E+02	1.44E+02	0.00E+00	0.00E+00	3.01E+04	
FR25G1	4.53E+01	6.95E+01	6.75E+01	8.71E+01	0.00E+00	0.00E+00	1.31E+03	2.64E+01	8.95E+02	9.74E+01	0.00E+00	-3.26E+01	1.30E+02	3.02E+01	7.18E+00	2.41E+02	1.52E+03	0.00E+00	8.98E+02	4.36E+00	1.44E+03	0.00E+00	1.10E+01	4.90E+01	2.68E+01	1.11E+02	1.52E+02	0.00E+00	1.44E+03	3.05E+01	1.44E+03	1.63E+03	1.52E+02	0.00E+00	0.00E+00	3.17E+04
FR25G2	4.73E+01	6.10E+01	7.37E+01	1.03E+02	0.00E+00	0.00E+00	1.37E+03	2.77E+01	9.99E+02	1.02E+03	0.00E+00	-3.26E+01	1.31E+02	3.06E+01	7.52E+00	2.53E+02	1.52E+03	0.00E+00	9.32E+02	4.36E+00	1.58E+03	0														

FWB51S	4.88E+02	1.33E+01	5.62E-01	1.28E+01	0.00E+00	0.00E+00	1.07E+02	2.16E-04	1.33E+02	1.18E+01	0.00E+00	-2.09E-02	1.53E+04	8.83E-07	6.21E-01	2.17E+01	4.52E+04	0.00E+00	7.38E-01	2.83E-01	1.31E+02	0.00E+00	1.02E-08	4.63E-01	3.07E-02	8.28E-06	1.29E+01	0.00E+00	1.31E+02	2.87E-05	1.31E+02	1.44E+02	1.29E+01	0.00E+00	0.00E+00	0.00E+00	2.80E+03
FWB51T1S	3.94E+02	9.52E+00	4.72E-01	9.04E+00	0.00E+00	0.00E+00	8.28E-01	1.60E-04	1.07E+02	8.79E+02	0.00E+00	-2.02E-02	1.11E+08	2.10E+01	5.30E-01	1.76E+01	4.04E+04	0.00E+00	5.92E-01	2.68E-01	1.11E+02	0.00E+00	8.58E-07	3.79E+02	2.36E+02	7.69E-06	1.04E+01	0.00E+00	1.11E+02	2.43E-05	1.11E+02	1.22E+02	1.04E+01	0.00E+00	0.00E+00	0.00E+00	2.95E+03
FWB52D1	3.41E+02	9.37E+00	5.50E-01	8.82E+00	0.00E+00	0.00E+00	8.15E-01	1.62E-04	7.48E+03	8.44E+02	0.00E+00	-3.16E-02	1.03E+08	1.72E+01	5.15E-01	1.66E+01	5.02E+04	0.00E+00	5.72E-01	4.11E-01	1.06E+02	0.00E+00	8.17E+02	3.58E+02	2.24E+02	1.13E+00	9.98E+00	0.00E+00	1.06E+02	2.13E+00	1.06E+02	1.16E+02	9.98E+00	0.00E+00	0.00E+00	0.00E+00	1.98E+03
FWB52K1	7.36E+02	1.74E+01	9.80E-01	1.65E+01	0.00E+00	0.00E+00	1.68E+02	3.42E-04	1.74E+02	1.63E+01	0.00E+00	-3.53E-02	2.09E+08	3.95E+02	1.05E+00	3.46E+01	4.52E+04	0.00E+00	1.19E+02	4.75E-01	2.21E+02	0.00E+00	1.65E+08	7.50E+02	4.46E+02	1.35E+00	2.07E+01	0.00E+00	2.21E+02	5.17E+00	2.21E+02	2.42E+02	2.07E+01	0.00E+00	0.00E+00	0.00E+00	4.16E+03
FWB52K5	7.04E+02	1.72E+01	9.80E-01	1.65E+01	0.00E+00	0.00E+00	1.68E+02	3.42E-04	1.74E+02	1.63E+01	0.00E+00	-3.53E-02	2.09E+08	3.95E+02	1.05E+00	3.46E+01	4.52E+04	0.00E+00	1.19E+02	4.75E-01	2.21E+02	0.00E+00	1.65E+08	7.50E+02	4.46E+02	1.35E+00	2.07E+01	0.00E+00	2.21E+02	5.17E+00	2.21E+02	2.42E+02	2.07E+01	0.00E+00	0.00E+00	0.00E+00	4.16E+03
FWB52M2	7.40E+02	1.78E+01	9.77E-01	1.68E+01	0.00E+00	0.00E+00	1.72E+02	3.45E-04	1.79E+02	1.66E+01	0.00E+00	-3.58E-02	2.12E+08	4.05E+02	1.09E+00	3.52E+01	4.54E+04	0.00E+00	1.21E+02	4.80E-01	2.24E+02	0.00E+00	1.72E+08	7.53E+02	4.50E+02	1.35E+00	2.11E+01	0.00E+00	2.24E+02	4.99E+00	2.24E+02	2.45E+02	2.11E+01	0.00E+00	0.00E+00	0.00E+00	4.20E+03
FWB52N	7.24E+02	1.82E+01	9.78E-01	1.72E+01	0.00E+00	0.00E+00	1.81E+02	3.65E-04	1.81E+02	1.70E+01	0.00E+00	-3.56E-02	2.04E+08	3.94E+02	1.13E+00	3.63E+01	4.54E+04	0.00E+00	1.27E+02	4.51E-01	2.23E+02	0.00E+00	1.78E+08	7.78E+02	4.60E+02	1.33E+00	2.21E+01	0.00E+00	2.23E+02	5.25E+00	2.23E+02	2.39E+02	2.21E+01	0.00E+00	0.00E+00	0.00E+00	4.41E+03
FWB52N3	7.24E+02	1.82E+01	9.78E-01	1.72E+01	0.00E+00	0.00E+00	1.81E+02	3.65E-04	1.81E+02	1.70E+01	0.00E+00	-3.56E-02	2.04E+08	3.94E+02	1.13E+00	3.63E+01	4.54E+04	0.00E+00	1.27E+02	4.51E-01	2.23E+02	0.00E+00	1.78E+08	7.78E+02	4.60E+02	1.33E+00	2.21E+01	0.00E+00	2.23E+02	5.25E+00	2.23E+02	2.39E+02	2.21E+01	0.00E+00	0.00E+00	0.00E+00	4.41E+03
FWB52P2	6.16E+02	1.52E+01	8.82E-01	1.44E+01	0.00E+00	0.00E+00	1.31E+02	3.05E-04	1.41E+02	1.41E+01	0.00E+00	-3.44E-02	2.15E+08	3.42E+02	9.32E-01	3.02E+01	4.52E+04	0.00E+00	1.07E+02	4.02E-01	2.16E+02	0.00E+00	1.47E+08	6.43E+02	3.70E+02	1.31E+00	1.89E+01	0.00E+00	2.16E+02	4.19E+00	1.92E+02	2.16E+02	1.83E+01	0.00E+00	0.00E+00	0.00E+00	3.66E+03
FWB53K1	1.41E+01	2.77E+01	1.24E+02	2.65E+01	0.00E+00	0.00E+00	2.24E+02	4.46E-04	2.75E+02	2.48E+01	0.00E+00	-5.18E-02	2.88E+08	5.47E+01	1.31E+00	4.58E+01	4.52E+04	0.00E+00	1.58E+02	6.91E-01	2.81E+02	0.00E+00	1.17E+08	9.83E+02	6.47E+02	1.98E+00	2.81E+01	0.00E+00	2.81E+02	5.95E+00	2.81E+02	3.08E+02	2.72E+01	0.00E+00	0.00E+00	0.00E+00	5.49E+03
FWB53N	1.03E+01	2.09E+01	1.27E+02	2.96E+01	0.00E+00	0.00E+00	2.44E+02	4.75E-04	2.38E+02	2.71E+01	0.00E+00	-4.84E-02	3.54E+08	5.33E+01	1.41E+00	4.81E+01	6.34E+04	0.00E+00	1.65E+02	6.68E-01	2.95E+02	0.00E+00	2.28E+08	1.03E+03	6.97E+02	1.89E+00	2.90E+01	0.00E+00	2.95E+02	5.89E+00	2.95E+02	3.24E+02	3.00E+01	0.00E+00	0.00E+00	0.00E+00	8.93E+03
FWB53N3	1.03E+01	2.09E+01	1.27E+02	2.96E+01	0.00E+00	0.00E+00	2.44E+02	4.75E-04	2.38E+02	2.71E+01	0.00E+00	-4.84E-02	3.54E+08	5.33E+01	1.41E+00	4.81E+01	6.34E+04	0.00E+00	1.65E+02	6.68E-01	2.95E+02	0.00E+00	2.28E+08	1.03E+03	6.97E+02	1.89E+00	2.90E+01	0.00E+00	2.95E+02	5.89E+00	2.95E+02	3.24E+02	3.00E+01	0.00E+00	0.00E+00	0.00E+00	8.93E+03
FWB53S	1.00E+01	2.39E+01	1.28E+02	2.23E+01	0.00E+00	0.00E+00	2.31E+02	4.02E-04	2.83E+02	2.20E+01	0.00E+00	-5.34E-02	3.91E+08	5.88E+01	1.45E+00	4.78E+01	6.32E+04	0.00E+00	1.64E+02	7.14E-01	3.01E+02	0.00E+00	2.31E+08	1.01E+03	6.02E+02	2.02E+00	2.85E+01	0.00E+00	3.01E+02	6.68E+00	3.01E+02	3.24E+02	3.00E+01	0.00E+00	0.00E+00	0.00E+00	9.67E+03
FWB54S	1.36E+01	2.99E+01	1.64E+02	2.82E+01	0.00E+00	0.00E+00	2.85E+02	5.90E-04	2.96E+02	2.79E+01	0.00E+00	-6.96E-02	4.21E+08	7.55E+01	1.60E+00	5.29E+01	3.44E+04	0.00E+00	2.06E+02	5.29E+01	3.44E+04	0.00E+00	2.94E+08	1.39E+03	7.65E+02	2.62E+00	3.64E+01	0.00E+00	3.44E+04	8.41E+00	3.44E+04	4.30E+02	3.64E+01	0.00E+00	0.00E+00	0.00E+00	1.74E+03
FWB61D	3.73E+02	9.77E+00	4.93E-01	9.35E+00	0.00E+00	0.00E+00	9.48E-01	1.82E-04	7.99E+03	8.94E+02	0.00E+00	-1.92E-02	1.19E+08	2.06E+01	5.88E-01	1.86E+01	4.52E+04	0.00E+00	8.56E-01	2.02E-01	1.17E+02	0.00E+00	8.97E-07	3.95E+02	2.40E+02	7.49E-06	1.14E+01	0.00E+00	1.17E+02	2.52E-05	1.17E+02	1.29E+02	1.14E+01	0.00E+00	0.00E+00	0.00E+00	2.22E+03
FWB62D1	5.14E+02	1.17E+01	6.00E-01	1.11E+01	0.00E+00	0.00E+00	1.21E+02	2.44E-04	1.28E+02	1.10E+01	0.00E+00	-2.08E-02	1.84E+08	3.02E+01	7.49E-01	2.48E+01	4.52E+04	0.00E+00	8.53E-01	2.02E-01	1.35E+02	0.00E+00	1.18E-06	4.10E+02	3.10E+02	8.40E-06	1.48E+01	0.00E+00	1.35E+02	3.48E+00	1.55E+02	1.70E+02	1.48E+01	0.00E+00	0.00E+00	0.00E+00	2.97E+03
FWB62S1	3.87E+02	1.09E+01	5.92E-01	1.00E+01	0.00E+00	0.00E+00	9.32E+01	1.86E-04	9.84E+02	9.84E+02	0.00E+00	-3.10E-02	1.18E+08	2.04E+01	5.82E-01	1.86E+01	4.52E+04	0.00E+00	8.52E-01	4.11E-01	1.20E+02	0.00E+00	9.24E+07	5.05E+02	2.54E+02	1.14E+01	1.14E+01	0.00E+00	1.20E+02	2.43E+00	1.20E+02	1.20E+02	1.14E+01	0.00E+00	0.00E+00	0.00E+00	2.26E+03
FWB62K1	1.99E+01	2.33E+01	1.00E+02	2.20E+01	0.00E+00	0.00E+00	2.34E+02	3.94E-04	2.15E+02	2.10E+01	0.00E+00	-3.55E-02	2.46E+08	4.37E+01	1.16E+00	3.96E+01	4.52E+04	0.00E+00	1.17E+02	4.73E+01	2.46E+02	0.00E+00	1.91E+08	8.88E+02	5.88E+02	1.91E+00	2.48E+01	0.00E+00	2.48E+02	5.58E+00	2.48E+02	2.72E+02	2.38E+01	0.00E+00	0.00E+00	0.00E+00	4.82E+03
FWB62K5	8.29E+02	2.02E+01	8.99E-01	1.93E+01	0.00E+00	0.00E+00	1.95E+02	3.98E-04	1.83E+02	1.90E+01	0.00E+00	-3.47E-02	2.83E+08	4.36E+01	1.22E+00	4.00E+01	4.52E+04	0.00E+00	1.38E+02	4.85E-01	2.57E+02	0.00E+00	1.97E+08	8.71E+02	5.16E+02	1.37E+00	2.40E+01	0.00E+00	2.57E+02	6.13E+00	2.57E+02	2.81E+02	2.40E+01	0.00E+00	0.00E+00	0.00E+00	4.82E+03
FWB62M2	8.75E+02	2.09E+01	1.03E+02	1.96E+01	0.00E+00	0.00E+00	2.03E+02	4.08E-04	2.16E+02	1.93E+01	0.00E+00	-3.85E-02	2.98E+08	4.85E+01	1.27E+00	4.13E+01	4.54E+04	0.00E+00	1.43E+02	4.90E-01	2.62E+02	0.00E+00	2.07E+08	8.79E+02	5.24E+02	1.44E+00	2.49E+01	0.00E+00	2.62E+02	5.54E+00	2.62E+02	2.97E+02	2.49E+01	0.00E+00	0.00E+00	0.00E+00	4.95E+03
FWB62N	8.84E+02	2.14E+01	1.04E+02	2.02E+01	0.00E+00	0.00E+00	2.12E+02	4.27E-04	1.78E+02	2.02E+01	0.00E+00	-3.38E-02	3.00E+08	4.81E+01	1.33E+00	4.28E+01	4.56E+04	0.00E+00	1.49E+02	4.54E+01	2.74E+02	0.00E+00	2.12E+08	8.17E+02	5.42E+02	1.37E+00	2.59E+01	0.00E+00	2.74E+02	6.30E+00	2.74E+02	2.99E+02	2.59E+01	0.00E+00	0.00E+00	0.00E+00	5.17E+03
FWB62N3	8.84E+02	2.14E+01	1.04E+02	2.02E+01	0.00E+00	0.00E+00	2.12E+02	4.27E-04	1.78E+02	2.02E+01	0.00E+00	-3.38E-02	3.00E+08	4.81E+01	1.33E+00	4.28E+01	4.56E+04	0.00E+00	1.49E+02	4.54E+01	2.74E+02	0.00E+00	2.12E+08	8.17E+02	5.42E+02	1.37E+00	2.59E+01	0.00E+00	2.74E+02	6.30E+00	2.74E+02	2.99E+02	2.59E+01	0.00E+00	0.00E+00	0.00E+00	5.17E+03
FWB62S	1.24E+01	2.47E+01	1.03E+02	2.37E+01	0.00E+00	0.00E+00	2.01E+02	3.94E-04	2.30E+02	2.18E+01	0.00E+00	-3.71E-02	2.99E+08	4.96E+01	1.16E+00	4.04E+01	4.52E+04	0.00E+00	1.38E+02	4.97E-01	2.44E+02	0.00E+00	1.86E+08	8.53E+02	5.89E+02	1.45E+00	2.41E+01	0.00E+00	2.44E+02	4.95E+00	2.44E+02	2.88E+02	2.41E+01	0.00E+00	0.00E+00	0.00E+00	4.88E+03
FWB63D1	4.56E+02	1.27E+01	7.63E-01	1.18E+01	0.00E+00	0.00E+00	1.08E+02	2.15E-04	1.01E+02	1.14E+01	0.00E+00	-4.52E-02	1.43E+08	2.37E+01	6.87E-01	2.23E+01	6.72E+04	0.00E+00	7.58E-01	6.04E-01	1.41E+02	0.00E+00	1.09E+08	4.76E+02	3.02E+02	1.62E+00	1.32E+01	0.00E+00	1.41E+02	2.77E+00	1.41E+02	1.54E+02	1.32E+01	0.00E+00	0.00E+00	0.00E+00	2.62E+03
FWB63K1	1.84E+01	2.24E+01	1.39E+02	3.16E+01	0.00E+00	0.00E+00	2.68E+02	5.30E-04	3.13E+02	2.89E+01	0.00E+00	-5.16E-02	3.42E+08	6.36E+01	1.58E+00	5.45E+01	5.42E+04	0.00E+00	1.89E+02	6.52E-01	3.33E+02	0.00E+00	2.57E+08	1.17E+03	7.60E+02	2.01E+00	3.22E+01	0.00E+00	3.33E+02	7.21E+00	3.33E+02	3.68E+02					

FWU51S1	4.87E-02	1.09E-01	4.18E-01	1.05E-01	0.00E+00	0.00E+00	1.12E-02	2.28E-04	1.07E-02	1.04E-01	0.00E+00	-1.11E-03	1.64E-08	2.37E-07	6.84E-01	2.28E-01	1.16E-03	0.00E+00	7.90E-01	2.87E-02	1.44E-02	0.00E+00	1.10E-08	4.88E-07	2.84E-02	2.45E-06	1.37E-01	0.00E+00	1.44E-02	3.58E-05	1.44E-02	1.58E-02	1.37E-01	0.00E+00	0.00E+00	0.00E+00	2.76E-03
FWU52K	7.23E-02	1.73E-01	8.35E-01	1.64E-01	0.00E+00	0.00E+00	1.72E-02	3.02E-04	1.59E-02	1.62E-01	0.00E+00	-1.42E-03	2.46E-08	3.86E-07	1.05E-01	3.44E-01	1.16E-03	0.00E+00	1.21E-02	3.02E-02	2.24E-02	0.00E+00	1.71E-08	7.60E-07	4.44E-02	3.25E-06	2.11E-01	0.00E+00	2.24E-02	5.74E-05	2.24E-02	2.45E-02	2.11E-01	0.00E+00	0.00E+00	0.00E+00	4.25E-03
FWU52K1	7.54E-02	1.73E-01	8.55E-01	1.66E-01	0.00E+00	0.00E+00	1.74E-02	3.08E-04	1.76E-02	1.65E-01	0.00E+00	-2.36E-03	2.15E-08	4.07E-07	1.07E-01	3.57E-01	1.16E-03	0.00E+00	1.24E-02	4.40E-02	2.28E-02	0.00E+00	1.74E-08	7.75E-07	4.43E-02	3.58E-06	2.16E-01	0.00E+00	2.28E-02	5.82E-05	2.28E-02	2.46E-02	2.15E-01	0.00E+00	0.00E+00	0.00E+00	4.38E-03
FWU52K2	7.49E-02	1.72E-01	8.60E-01	1.66E-01	0.00E+00	0.00E+00	1.75E-02	3.05E-04	1.75E-02	1.64E-01	0.00E+00	-2.36E-03	2.47E-08	4.04E-07	1.06E-01	3.54E-01	1.16E-03	0.00E+00	1.23E-02	4.45E-02	2.18E-02	0.00E+00	1.72E-08	7.70E-07	4.50E-02	3.37E-06	2.13E-01	0.00E+00	2.26E-02	5.79E-05	2.26E-02	2.46E-02	2.13E-01	0.00E+00	0.00E+00	0.00E+00	4.29E-03
FWU52K3	7.39E-02	1.67E-01	8.65E-01	1.61E-01	0.00E+00	0.00E+00	1.58E-02	3.37E-04	1.72E-02	1.60E-01	0.00E+00	-2.36E-03	2.01E-08	3.75E-07	1.00E-01	3.40E-01	1.16E-03	0.00E+00	1.14E-02	4.43E-02	2.16E-02	0.00E+00	1.67E-08	7.50E-07	4.42E-02	3.17E-06	2.14E-01	0.00E+00	2.18E-02	5.58E-05	2.18E-02	2.36E-02	2.14E-01	0.00E+00	0.00E+00	0.00E+00	4.16E-03
FWU52L	3.22E-02	8.93E-01	2.77E-01	8.11E-01	0.00E+00	0.00E+00	7.51E-01	1.53E-04	6.93E-03	7.80E-02	0.00E+00	3.42E-04	8.88E-03	1.64E-07	4.67E-01	1.54E-01	1.15E-03	0.00E+00	5.30E-01	7.02E-02	9.88E-01	0.00E+00	7.55E-07	3.38E-07	2.09E-02	1.60E-06	9.28E-01	0.00E+00	9.88E-01	2.46E-05	9.88E-01	1.06E-02	9.28E-01	0.00E+00	0.00E+00	0.00E+00	1.85E-03
FWU52M2	7.95E-02	1.79E-01	8.72E-01	1.68E-01	0.00E+00	0.00E+00	1.78E-02	3.65E-04	1.81E-02	1.67E-01	0.00E+00	-2.74E-03	2.95E-08	4.17E-07	1.10E-01	3.62E-01	1.16E-03	0.00E+00	1.25E-02	4.94E-02	2.30E-02	0.00E+00	1.76E-08	7.77E-07	4.57E-02	3.75E-06	2.18E-01	0.00E+00	2.30E-02	5.64E-05	2.36E-02	2.52E-02	2.18E-01	0.00E+00	0.00E+00	0.00E+00	4.37E-03
FWU52S	7.02E-02	1.73E-01	8.60E-01	1.66E-01	0.00E+00	0.00E+00	1.79E-02	3.62E-04	1.87E-02	1.67E-01	0.00E+00	-4.03E-03	2.80E-08	4.47E-07	1.10E-01	3.67E-01	1.16E-03	0.00E+00	1.27E-02	6.84E-02	2.31E-02	0.00E+00	1.76E-08	7.81E-07	4.58E-02	4.16E-06	2.20E-01	0.00E+00	2.31E-02	5.59E-05	2.31E-02	2.52E-02	2.20E-01	0.00E+00	0.00E+00	0.00E+00	4.42E-03
FWU52S1	7.01E-02	1.72E-01	8.61E-01	1.66E-01	0.00E+00	0.00E+00	1.78E-02	3.64E-04	1.87E-02	1.67E-01	0.00E+00	-4.03E-03	2.85E-08	4.41E-07	1.09E-01	3.67E-01	1.16E-03	0.00E+00	1.27E-02	6.84E-02	2.31E-02	0.00E+00	1.76E-08	7.83E-07	4.57E-02	4.16E-06	2.20E-01	0.00E+00	2.31E-02	5.59E-05	2.31E-02	2.52E-02	2.20E-01	0.00E+00	0.00E+00	0.00E+00	4.42E-03
FWU53D	7.62E-02	1.84E-01	7.30E-01	1.78E-01	0.00E+00	0.00E+00	2.08E-02	4.16E-04	1.96E-02	1.74E-01	0.00E+00	-1.16E-04	2.84E-03	4.47E-07	1.19E-01	3.95E-01	1.51E-03	0.00E+00	1.42E-02	1.81E-02	2.48E-02	0.00E+00	1.87E-08	8.27E-07	4.74E-02	3.32E-06	2.48E-01	0.00E+00	2.48E-02	5.88E-05	2.48E-02	2.72E-02	2.48E-01	0.00E+00	0.00E+00	0.00E+00	4.97E-03
FWU53K	1.04E-02	2.43E-01	9.27E-01	2.34E-01	0.00E+00	0.00E+00	2.50E-02	5.09E-04	2.35E-02	2.32E-01	0.00E+00	-2.81E-03	3.32E-08	8.86E-07	1.53E-01	5.05E-01	1.16E-03	0.00E+00	1.78E-02	5.14E-02	3.22E-02	0.00E+00	2.45E-08	1.03E-08	6.34E-03	4.58E-06	3.08E-01	0.00E+00	3.22E-02	9.08E-05	3.22E-02	3.32E-02	3.08E-01	0.00E+00	0.00E+00	0.00E+00	5.15E-03
FWU53L	4.48E-02	1.16E-01	3.94E-01	1.12E-01	0.00E+00	0.00E+00	1.68E-02	2.18E-04	3.61E-03	1.68E-01	0.00E+00	4.47E-04	1.22E-08	2.35E-07	6.63E-01	2.18E-01	1.51E-03	0.00E+00	7.56E-01	9.32E-02	1.19E-02	0.00E+00	1.07E-08	4.73E-07	2.86E-02	2.18E-06	1.32E-01	0.00E+00	1.19E-02	3.38E-05	1.32E-02	1.32E-02	1.32E-01	0.00E+00	0.00E+00	0.00E+00	2.64E-03
FWU61L	2.94E-02	6.92E-01	2.32E-01	6.72E-01	0.00E+00	0.00E+00	6.34E-01	1.29E-04	5.74E-03	6.47E-02	0.00E+00	3.42E-04	7.54E-03	1.36E-07	8.07E-01	1.29E-01	1.15E-03	0.00E+00	4.48E-01	6.92E-02	8.24E-01	0.00E+00	6.31E-07	2.63E-07	1.72E-02	1.44E-06	7.78E-01	0.00E+00	8.24E-01	2.07E-05	8.24E-01	1.92E-01	7.78E-01	0.00E+00	0.00E+00	0.00E+00	1.95E-03
FWU61S	5.66E-02	1.29E-01	4.86E-01	1.47E-01	0.00E+00	0.00E+00	1.32E-02	2.68E-04	1.38E-02	1.22E-01	0.00E+00	-2.05E-03	1.91E-08	3.15E-07	6.02E-01	2.67E-01	1.16E-03	0.00E+00	9.28E-01	3.95E-02	1.68E-02	0.00E+00	1.98E-08	5.19E-07	3.34E-02	2.97E-06	1.61E-01	0.00E+00	1.68E-02	4.12E-05	1.68E-02	1.85E-02	1.61E-01	0.00E+00	0.00E+00	0.00E+00	3.25E-03
FWU62K	8.95E-02	2.03E-01	7.51E-01	1.95E-01	0.00E+00	0.00E+00	2.04E-02	4.13E-04	1.98E-02	1.93E-01	0.00E+00	-1.42E-03	2.89E-08	4.57E-07	1.25E-01	4.14E-01	1.16E-03	0.00E+00	1.44E-02	3.25E-02	2.69E-02	0.00E+00	2.05E-08	9.03E-07	5.29E-02	3.62E-06	2.50E-01	0.00E+00	2.69E-02	6.89E-05	2.69E-02	2.91E-02	2.50E-01	0.00E+00	0.00E+00	0.00E+00	5.05E-03
FWU62K1	8.87E-02	2.06E-01	7.72E-01	1.98E-01	0.00E+00	0.00E+00	2.07E-02	4.21E-04	2.04E-02	1.96E-01	0.00E+00	-2.36E-03	2.53E-08	4.75E-07	1.27E-01	4.23E-01	1.16E-03	0.00E+00	1.47E-02	4.50E-02	2.70E-02	0.00E+00	2.06E-08	9.19E-07	5.37E-02	3.96E-06	2.55E-01	0.00E+00	2.70E-02	6.90E-05	2.70E-02	2.96E-02	2.55E-01	0.00E+00	0.00E+00	0.00E+00	5.14E-03
FWU62K2	8.87E-02	2.04E-01	7.66E-01	1.97E-01	0.00E+00	0.00E+00	2.05E-02	4.21E-04	2.04E-02	1.94E-01	0.00E+00	-2.36E-03	2.91E-08	4.75E-07	1.26E-01	4.20E-01	1.16E-03	0.00E+00	1.45E-02	4.50E-02	2.68E-02	0.00E+00	2.04E-08	9.12E-07	5.33E-02	3.96E-06	2.53E-01	0.00E+00	2.68E-02	6.89E-05	2.68E-02	2.92E-02	2.53E-01	0.00E+00	0.00E+00	0.00E+00	5.09E-03
FWU62L	3.71E-02	2.94E-01	7.85E-01	9.40E-01	0.00E+00	0.00E+00	8.05E-01	1.79E-04	8.04E-03	9.50E-02	0.00E+00	4.47E-04	1.04E-08	1.93E-07	5.43E-01	1.16E-03	0.00E+00	6.21E-01	9.00E-02	1.16E-02	0.00E+00	7.10E-07	3.31E-07	2.42E-02	1.96E-06	1.08E-01	0.00E+00	1.16E-02	8.89E-05	1.16E-02	1.20E-01	1.08E-01	0.00E+00	0.00E+00	0.00E+00	3.17E-03	
FWU62M2	8.99E-02	2.06E-01	7.87E-01	1.98E-01	0.00E+00	0.00E+00	2.11E-02	4.27E-04	2.00E-02	1.96E-01	0.00E+00	-3.48E-03	3.02E-08	5.02E-07	1.30E-01	4.28E-01	1.16E-03	0.00E+00	1.49E-02	5.96E-02	2.71E-02	0.00E+00	2.06E-08	9.12E-07	5.36E-02	4.35E-06	2.58E-01	0.00E+00	2.71E-02	6.95E-05	2.71E-02	2.96E-02	2.58E-01	0.00E+00	0.00E+00	0.00E+00	5.18E-03
FWU62M3	8.77E-02	2.04E-01	7.63E-01	1.96E-01	0.00E+00	0.00E+00	2.04E-02	4.15E-04	2.01E-02	1.94E-01	0.00E+00	-2.36E-03	2.95E-08	4.71E-07	1.25E-01	4.18E-01	1.16E-03	0.00E+00	1.45E-02	4.48E-02	2.67E-02	0.00E+00	2.04E-08	9.09E-07	5.32E-02	3.93E-06	2.55E-01	0.00E+00	2.67E-02	6.82E-05	2.67E-02	2.92E-02	2.52E-01	0.00E+00	0.00E+00	0.00E+00	5.07E-03
FWU62N	8.91E-02	2.06E-01	7.60E-01	1.96E-01	0.00E+00	0.00E+00	2.08E-02	4.19E-04	1.74E-02	1.95E-01	0.00E+00	-6.18E-04	3.01E-08	4.50E-07	1.29E-01	4.19E-01	1.52E-03	0.00E+00	1.48E-02	2.51E-02	2.69E-02	0.00E+00	2.06E-08	8.99E-07	5.35E-02	3.68E-06	2.54E-01	0.00E+00	2.69E-02	6.85E-05	2.69E-02	2.94E-02	2.54E-01	0.00E+00	0.00E+00	0.00E+00	5.07E-03
FWU62S	9.37E-02	2.06E-01	7.95E-01	1.98E-01	0.00E+00	0.00E+00	2.15E-02	4.28E-04	2.35E-02	1.95E-01	0.00E+00	-3.95E-03	3.06E-08	5.17E-07	1.30E-01	4.31E-01	1.52E-03	0.00E+00	1.49E-02	6.96E-02	2.71E-02	0.00E+00	2.06E-08	9.14E-07	5.36E-02	4.35E-06	2.57E-01	0.00E+00	2.71E-02	6.96E-05	2.71E-02	2.94E-02	2.57E-01	0.00E+00	0.00E+00	0.00E+00	5.12E-03
FWU62S1	8.86E-02	2.03E-01	7.79E-01	1.97E-01	0.00E+00	0.00E+00	2.10E-02	4.23E-04	2.00E-02	1.93E-01	0.00E+00	-2.24E-03	3.04E-08	4.82E-07	1.28E-01	4.21E-01	1.51E-03	0.00E+00	1.47E-02	4.84E-02	2.67E-02	0.00E+00	2.05E-08	8.97E-07	5.26E-02	4.18E-06	2.56E-01	0.00E+00	2.67E-02	6.85E-05	2.67E-02	2.92E-02	2.56E-01	0.00E+00	0.00E+00	0.00E+00	5.12E-03
FWU63N	1.19E-01	2.97E-01	1.08E-01	2.81E-01	0.00E+00	0.00E+00	2.87E-02	5.98E-04	2.47E-02	2.77E-01	0.00E+00	-1.08E-03	4.24E-08	6.44E-07	1.95E-01	5.95E-01	1.51E-03	0.00E+00	2.08E-02	3.26E-02	3.82E-02	0.00E+00	2.92E-08	1.28E-08	7.52E-03	4.87E-06	3.63E-01	0.00E+00	3.82E-02	9.29E-05	3.82E-02	4.16E-02	3.63E-01	0.00E+00	0.00E+00	0.00E+00	7.29E-03
FWU63S	1.13E-01	2.93E-01	1.15E-01	2.86E-01	0.00E+00	0.00E+00	3.03E-02	6.11E-04	3.35E-02	2.77E-01	0.00E+00	-6.04E-03	4.36E-08	7.44E-07	1.85E-01	6.16E-01	1.52E-03	0.00E+00	2.13E-02	9.80E-02	3.86E-02	0.00E+00	2.94E-08	1.30E-08	7.60E-03	6.48E-06	3.71E-01	0.00E+00	3.86E-02	9.22E-05	3.86E-02	4.23E-02	3.71E-01	0.00E			

UD01F2	1.34E-02	1.24E-00	5.86E-02	1.18E-00	0.00E+00	0.00E+00	1.24E-01	2.44E-00	7.56E-03	1.23E-02	0.00E+00	-8.71E-00	2.94E-00	8.10E-00	7.86E-02	3.48E-00	1.83E-04	0.00E+00	9.88E-00	2.97E-02	1.69E-01	0.00E+00	1.31E-07	6.19E-00	3.62E-03	2.95E-07	1.74E-00	0.00E+00	1.69E-01	3.55E-00	1.65E-01	1.86E-01	1.74E-00	0.00E+00	0.00E+00	0.00E+00	3.50E-02
UD02F1	3.25E-03	8.66E-01	2.41E-02	8.44E-01	0.00E+00	0.00E+00	5.59E-00	1.12E-00	7.33E-04	8.33E-03	0.00E+00	5.41E-00	8.51E-10	1.23E-00	5.11E-02	1.43E-00	1.83E-04	0.00E+00	4.40E-00	1.04E-02	1.02E-01	0.00E+00	8.15E-00	3.99E-00	2.22E-03	2.04E-07	8.09E-01	0.00E+00	1.02E-01	2.63E-00	1.02E-01	1.10E-01	8.09E-01	0.00E+00	0.00E+00	0.00E+00	1.44E-02
UD02F2	2.61E-02	1.78E-00	8.66E-02	1.69E-00	0.00E+00	0.00E+00	1.72E-01	3.29E-00	1.83E-02	1.79E-02	0.00E+00	-8.71E-00	2.95E-00	1.83E-07	1.08E-01	5.61E-00	1.83E-04	0.00E+00	1.44E-01	3.04E-02	2.39E-01	0.00E+00	1.85E-07	5.61E-00	5.89E-03	3.45E-07	2.59E-00	0.00E+00	2.39E-01	4.17E-00	2.36E-01	2.02E-01	2.59E-00	0.00E+00	0.00E+00	0.00E+00	5.23E-02
UD11A1	3.66E-03	8.64E-01	3.47E-02	8.30E-01	0.00E+00	0.00E+00	5.91E-00	1.26E-00	7.75E-04	8.47E-03	0.00E+00	8.10E-04	5.99E-00	1.19E-00	5.26E-02	1.46E-00	1.83E-04	0.00E+00	4.43E-00	2.22E-02	1.12E-01	0.00E+00	8.54E-00	3.93E-00	2.27E-03	2.39E-06	8.54E-01	0.00E+00	1.12E-01	3.62E-00	1.12E-01	1.10E-01	8.54E-01	0.00E+00	0.00E+00	0.00E+00	1.52E-02
UD11B1	3.02E-03	8.26E-01	3.17E-02	7.96E-01	0.00E+00	0.00E+00	5.65E-00	1.15E-00	7.27E-04	8.16E-03	0.00E+00	5.49E-04	1.05E-00	1.52E-00	5.19E-02	1.64E-00	1.83E-04	0.00E+00	4.39E-00	5.92E-02	1.14E-01	0.00E+00	8.54E-00	3.93E-00	2.27E-03	2.39E-06	8.54E-01	0.00E+00	1.14E-01	3.62E-00	1.14E-01	1.10E-01	8.54E-01	0.00E+00	0.00E+00	0.00E+00	1.34E-02
UD11C1	4.84E-03	1.09E-00	3.86E-02	1.02E-00	0.00E+00	0.00E+00	9.54E-00	2.04E-00	9.30E-04	1.04E-02	0.00E+00	-2.28E-04	1.89E-00	2.07E-00	6.78E-02	2.15E-00	1.83E-04	0.00E+00	7.14E-00	4.81E-02	1.44E-01	0.00E+00	1.14E-07	5.03E-00	2.92E-03	3.24E-07	1.26E-00	0.00E+00	1.44E-01	4.31E-00	1.44E-01	1.81E-01	1.29E-00	0.00E+00	0.00E+00	0.00E+00	2.47E-02
UD11F1	1.84E-03	4.93E-01	1.29E-02	4.54E-01	0.00E+00	0.00E+00	7.05E-00	4.77E-00	4.03E-04	4.93E-03	0.00E+00	-2.28E-04	5.97E-10	4.67E-00	2.51E-02	7.04E-01	1.83E-04	0.00E+00	1.93E-00	4.79E-02	5.44E-00	0.00E+00	4.43E-00	1.90E-00	1.32E-03	2.45E-07	3.84E-01	0.00E+00	5.44E-00	1.75E-00	5.44E-00	5.85E-00	1.93E-01	0.00E+00	0.00E+00	8.23E-01	
UD12A1	4.53E-03	1.14E-00	4.34E-02	1.10E-00	0.00E+00	0.00E+00	8.83E-00	1.85E-00	9.96E-04	1.10E-02	0.00E+00	8.10E-04	5.99E-00	1.65E-00	7.82E-02	1.82E-00	1.83E-04	0.00E+00	5.48E-00	2.23E-02	1.14E-01	0.00E+00	1.06E-07	4.73E-00	3.00E-03	2.41E-06	1.13E-00	0.00E+00	1.41E-01	3.47E-00	1.41E-01	1.32E-01	1.13E-00	0.00E+00	0.00E+00	0.00E+00	1.99E-02
UD12B1	5.00E-03	1.21E-00	4.71E-02	1.16E-00	0.00E+00	0.00E+00	9.40E-00	2.01E-00	1.08E-03	1.22E-02	0.00E+00	-8.11E-04	1.32E-00	2.08E-00	7.60E-02	2.21E-00	1.83E-04	0.00E+00	7.39E-00	1.38E-02	1.62E-01	0.00E+00	1.27E-07	5.49E-00	3.35E-03	5.58E-07	1.32E-00	0.00E+00	1.62E-01	4.57E-00	1.62E-01	1.78E-01	1.32E-00	0.00E+00	0.00E+00	0.00E+00	2.49E-02
UD12B2	5.16E-03	1.23E-00	4.59E-02	1.20E-00	0.00E+00	0.00E+00	9.48E-00	2.01E-00	1.08E-03	1.22E-02	0.00E+00	-8.11E-04	1.32E-00	2.08E-00	7.60E-02	2.21E-00	1.83E-04	0.00E+00	7.39E-00	1.38E-02	1.62E-01	0.00E+00	1.27E-07	5.49E-00	3.35E-03	5.58E-07	1.32E-00	0.00E+00	1.62E-01	4.57E-00	1.62E-01	1.78E-01	1.32E-00	0.00E+00	0.00E+00	0.00E+00	2.49E-02
UD12B4	1.14E-02	2.29E-00	8.65E-02	2.18E-00	0.00E+00	0.00E+00	1.50E-01	2.95E-00	4.73E-03	2.09E-02	0.00E+00	-7.19E-04	2.12E-00	8.23E-00	9.94E-02	3.73E-00	1.83E-04	0.00E+00	1.13E-01	1.14E-02	2.16E-01	0.00E+00	1.71E-07	8.01E-00	5.52E-03	5.61E-07	2.01E-00	0.00E+00	2.16E-01	4.92E-00	2.16E-01	2.38E-01	2.01E-00	0.00E+00	0.00E+00	0.00E+00	3.94E-02
UD12F1	3.82E-03	8.38E-01	1.78E-02	7.85E-01	0.00E+00	0.00E+00	7.72E-00	6.62E-00	8.95E-04	7.92E-03	0.00E+00	-2.28E-04	7.05E-10	6.18E-00	4.06E-02	1.21E-00	1.83E-04	0.00E+00	2.89E-00	4.74E-02	9.09E-00	0.00E+00	7.44E-00	3.19E-00	2.17E-03	2.78E-07	5.53E-01	0.00E+00	9.09E-00	3.19E-00	9.09E-00	9.44E-00	5.53E-01	0.00E+00	0.00E+00	9.03E-01	
UD13A1	6.10E-03	1.40E-00	5.35E-02	1.42E-00	0.00E+00	0.00E+00	1.08E-01	2.19E-00	1.28E-03	1.42E-02	0.00E+00	8.10E-04	6.15E-00	2.21E-00	9.13E-02	2.15E-00	1.83E-04	0.00E+00	3.69E-00	2.23E-02	1.82E-01	0.00E+00	1.42E-07	6.10E-00	3.88E-03	2.45E-06	1.44E-00	0.00E+00	1.82E-01	5.02E-00	1.82E-01	2.17E-01	1.44E-00	0.00E+00	0.00E+00	0.00E+00	3.92E-02
UD13B1	7.17E-03	1.72E-00	6.05E-02	1.66E-00	0.00E+00	0.00E+00	1.25E-01	2.69E-00	1.49E-03	1.69E-02	0.00E+00	-1.18E-03	1.61E-00	8.09E-00	1.02E-01	3.12E-00	1.83E-04	0.00E+00	9.73E-00	1.79E-02	2.23E-01	0.00E+00	1.75E-07	7.63E-00	4.47E-03	6.93E-07	1.75E-00	0.00E+00	2.23E-01	6.02E-00	2.23E-01	2.41E-01	1.75E-00	0.00E+00	0.00E+00	0.00E+00	3.35E-02
UD13B2	5.99E-02	1.45E-00	5.89E-02	1.39E-00	0.00E+00	0.00E+00	1.16E-01	2.44E-00	1.25E-03	1.41E-02	0.00E+00	-1.28E-03	1.53E-00	2.54E-00	8.95E-02	2.72E-00	1.83E-04	0.00E+00	8.95E-00	1.87E-02	1.99E-01	0.00E+00	1.46E-07	6.39E-00	3.87E-03	7.60E-07	1.58E-00	0.00E+00	1.99E-01	5.19E-00	1.99E-01	2.99E-01	1.58E-00	0.00E+00	0.00E+00	0.00E+00	3.01E-02
UD21A1	8.88E-03	1.40E-00	5.19E-02	1.33E-00	0.00E+00	0.00E+00	1.03E-01	2.20E-00	1.24E-03	1.37E-02	0.00E+00	8.10E-04	6.20E-00	2.15E-00	8.71E-02	2.49E-00	1.83E-04	0.00E+00	7.77E-00	2.23E-02	1.83E-01	0.00E+00	1.46E-07	6.21E-00	3.81E-03	2.44E-06	1.44E-00	0.00E+00	1.83E-01	5.53E-00	1.83E-01	1.97E-01	1.44E-00	0.00E+00	0.00E+00	0.00E+00	2.65E-02
UD21A1-LG	5.89E-03	1.61E-00	6.21E-02	1.55E-00	0.00E+00	0.00E+00	1.34E-01	2.81E-00	1.49E-03	1.57E-02	0.00E+00	8.10E-04	6.63E-00	2.80E-00	1.09E-01	3.03E-00	1.83E-04	0.00E+00	9.89E-00	2.23E-02	2.16E-01	0.00E+00	1.65E-07	7.40E-00	4.37E-03	2.47E-06	1.79E-00	0.00E+00	2.16E-01	6.29E-00	2.16E-01	2.46E-01	1.79E-00	0.00E+00	0.00E+00	0.00E+00	3.37E-02
UD21B1	7.76E-03	1.74E-00	6.41E-02	1.67E-00	0.00E+00	0.00E+00	1.44E-01	3.22E-00	1.64E-03	1.73E-02	0.00E+00	-8.84E-04	1.96E-00	3.19E-00	1.08E-01	3.41E-00	1.83E-04	0.00E+00	1.11E-01	1.33E-02	2.44E-01	0.00E+00	1.80E-07	8.20E-00	4.88E-03	6.02E-07	2.00E-00	0.00E+00	2.44E-01	6.59E-00	2.44E-01	2.86E-01	2.00E-00	0.00E+00	0.00E+00	0.00E+00	3.03E-02
UD21B5	5.12E-03	1.28E-00	5.85E-02	1.22E-00	0.00E+00	0.00E+00	9.39E-00	1.97E-00	1.08E-03	1.22E-02	0.00E+00	-2.56E-03	1.45E-00	2.04E-00	7.47E-02	2.27E-00	1.83E-04	0.00E+00	7.19E-00	3.56E-02	1.60E-01	0.00E+00	1.25E-07	5.42E-00	3.35E-03	1.09E-06	1.29E-00	0.00E+00	1.60E-01	4.30E-00	1.60E-01	1.75E-01	1.29E-00	0.00E+00	0.00E+00	0.00E+00	2.44E-02
UD21C1	8.50E-03	1.97E-00	7.02E-02	1.88E-00	0.00E+00	0.00E+00	2.13E-01	4.32E-00	1.72E-03	1.92E-02	0.00E+00	-2.28E-04	3.54E-00	4.00E-00	1.38E-01	4.30E-00	1.83E-04	0.00E+00	1.50E-01	4.98E-02	2.91E-01	0.00E+00	2.14E-07	9.29E-00	5.26E-03	4.48E-07	2.62E-00	0.00E+00	2.91E-01	7.03E-00	2.91E-01	3.07E-01	2.62E-00	0.00E+00	0.00E+00	0.00E+00	3.25E-02
UD21D2B	5.70E-03	1.33E-00	4.24E-02	1.34E-00	0.00E+00	0.00E+00	1.01E-01	2.15E-00	1.20E-03	1.36E-02	0.00E+00	-2.28E-04	1.94E-00	2.21E-00	6.82E-02	2.51E-00	1.83E-04	0.00E+00	7.91E-00	4.85E-02	1.17E-01	0.00E+00	1.42E-07	6.05E-00	3.73E-03	2.54E-07	1.42E-00	0.00E+00	1.17E-01	5.15E-00	1.78E-01	1.93E-01	1.42E-00	0.00E+00	0.00E+00	0.00E+00	2.87E-02
UD21F1	3.06E-03	8.90E-01	2.43E-02	1.18E-00	0.00E+00	0.00E+00	6.05E-00	1.04E-00	7.97E-04	8.90E-03	0.00E+00	-2.28E-04	1.02E-00	1.03E-00	5.03E-02	1.42E-00	1.83E-04	0.00E+00	4.11E-00	4.79E-02	1.11E-01	0.00E+00	8.90E-00	3.44E-00	2.46E-03	2.59E-07	1.18E-01	0.00E+00	1.11E-01	3.47E-00	1.18E-01	1.30E-01	1.42E-00	0.00E+00	0.00E+00	0.00E+00	3.03E-02
UD22F1	4.41E-03	1.21E-00	2.84E-02	1.18E-00	0.00E+00	0.00E+00	5.17E-00	1.08E-00	1.02E-03	1.17E-02	0.00E+00	-2.28E-04	1.15E-00	1.16E-00	6.42E-02	1.72E-00	1.83E-04	0.00E+00	4.68E-00	4.80E-02	1.32E-01	0.00E+00	1.06E-07	4.48E-00	3.11E-03	3.20E-07	8.97E-01	0.00E+00	1.32E-01	3.79E-00	1.32E-01	1.41E-01	8.97E-01	0.00E+00	0.00E+00	1.47E-02	
UD22G1	9.66E-03	2.22E-00	8.98E-02	2.28E-00	0.00E+00	0.00E+00	2.24E-01	4.61E-00	1.99E-03	2.22E-02	0.00E+00	-7.19E-04	2.67E-00	4.89E-00	1.52E-01	4.79E-00	1.83E-04	0.00E+00	1.63E-01	1.15E-02	3.16E-01	0.00E+00	2.42E-07	1.05E-07	6.11E-03	6.39E-07	2.88E-00	0.00E+00	3.16E-01	8.09E-00	3.16E-01	3.45E-01	2.88E-00	0.00E+00	0.00E+00	0.00E+00	5.95E-02
UD31A1	8.30E-03	1.91E-00	6.27E-02	1.96E-00	0.00E+00	0.00E+00	1.53E-01	3.27E-00	1.71E-03	1.93E-02	0.00E+00	-2.28E-04	2.33E-00	3.32E-00	1.20E-01	3.76E-00	1.83E-04	0.00E+00	1.18E-01	4.95E-02	2.61E-01	0.00E+00	2.03E-07	8.88E-00	5.35E-03	4.21E-07	2.11E-00	0.00E+00	2.61E-01	7.72E-00	2.61E-01	2.82E-01	2.11E-00	0.00E+00	0.00E+00	0.00E+00	

UN61U3	1.24E-02	2.54E-00	8.26E-02	2.45E-00	0.00E+00	0.00E+00	1.78E-01	4.01E-05	3.22E-03	2.83E-02	0.00E+00	-1.06E-03	2.44E-09	4.85E-08	1.49E-01	4.84E-00	1.83E-04	0.00E+00	1.46E-01	1.53E-02	3.43E-01	0.00E+00	2.68E-07	1.31E-07	7.22E-03	7.23E-07	2.62E-00	0.00E+00	3.43E-01	1.12E-05	3.45E-01	3.89E-01	2.62E-00	0.00E+00	0.00E+00	0.00E+00	5.04E-02
UN71B3	1.54E-02	3.16E-00	1.13E-01	3.07E-00	0.00E+00	0.00E+00	2.57E-01	5.69E-05	3.88E-03	3.16E-02	0.00E+00	-1.32E-03	4.59E-09	6.56E-08	1.94E-01	6.38E-00	1.83E-04	0.00E+00	2.02E-01	1.98E-02	4.41E-01	0.00E+00	3.42E-07	1.54E-07	8.39E-03	9.18E-07	3.57E-00	0.00E+00	4.41E-01	1.37E-05	4.41E-01	4.77E-01	3.57E-00	0.00E+00	0.00E+00	0.00E+00	7.02E-02
UN71B4	1.66E-02	3.32E-00	1.20E-01	3.20E-00	0.00E+00	0.00E+00	2.71E-01	5.95E-05	4.33E-03	3.30E-02	0.00E+00	-1.51E-03	4.74E-09	7.30E-08	2.03E-01	6.71E-00	1.83E-04	0.00E+00	2.13E-01	2.20E-02	4.60E-01	0.00E+00	3.57E-07	1.60E-07	9.39E-03	8.86E-07	3.78E-00	0.00E+00	4.60E-01	1.41E-05	4.60E-01	5.03E-01	3.78E-00	0.00E+00	0.00E+00	0.00E+00	7.38E-02
UN81B3	1.74E-02	3.57E-00	1.24E-01	3.45E-00	0.00E+00	0.00E+00	2.84E-01	6.38E-05	4.47E-03	3.45E-02	0.00E+00	-1.32E-03	4.50E-09	7.17E-08	2.17E-01	7.18E-00	1.83E-04	0.00E+00	2.23E-01	1.97E-02	5.03E-01	0.00E+00	3.60E-07	1.70E-07	1.02E-02	9.52E-07	4.00E+00	0.00E+00	5.03E-01	1.47E-05	5.03E-01	4.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-02	
UN81B4	1.74E-02	3.57E-00	1.24E-01	3.45E-00	0.00E+00	0.00E+00	2.84E-01	6.38E-05	4.47E-03	3.45E-02	0.00E+00	-1.32E-03	4.50E-09	7.17E-08	2.17E-01	7.18E-00	1.83E-04	0.00E+00	2.23E-01	1.97E-02	5.03E-01	0.00E+00	3.60E-07	1.70E-07	1.02E-02	9.52E-07	4.00E+00	0.00E+00	5.03E-01	1.47E-05	5.03E-01	4.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-02	
US31A3R1	2.25E-03	7.67E-01	1.03E-02	6.97E-01	0.00E+00	0.00E+00	1.08E-00	1.35E-06	5.79E-04	6.73E-03	0.00E+00	5.41E-09	4.81E-11	2.62E-09	3.33E-02	7.48E-01	1.83E-04	0.00E+00	1.53E-00	9.93E-04	6.42E-00	0.00E+00	5.56E-08	2.16E-02	1.73E-03	1.73E-07	3.38E-01	0.00E+00	6.42E-00	1.73E-06	6.42E-00	6.76E-00	3.38E-01	0.00E+00	0.00E+00	0.00E+00	3.83E-01
UT12PN	2.94E-03	4.33E-01	2.17E-02	4.17E-01	0.00E+00	0.00E+00	6.47E-00	1.36E-05	3.88E-04	4.27E-03	0.00E+00	2.45E-09	9.74E-11	1.39E-04	3.43E-02	1.15E-00	0.00E+00	0.00E+00	4.33E-00	8.75E-04	7.09E-00	0.00E+00	5.21E-08	2.30E-02	1.19E-03	8.23E-06	7.37E-01	0.00E+00	7.09E-00	1.62E-06	7.09E-00	7.79E-00	1.73E-01	0.00E+00	0.00E+00	0.00E+00	1.53E-02
UW31V	1.05E-02	1.81E-00	7.41E-02	1.74E-00	0.00E+00	0.00E+00	1.43E-01	2.31E-05	4.03E-03	1.75E-02	0.00E+00	-1.76E-03	4.95E-09	6.05E-08	1.08E-01	3.87E-00	2.92E-04	0.00E+00	1.11E-01	2.44E-02	2.29E-01	0.00E+00	1.80E-07	8.02E-04	4.90E-03	8.28E-07	1.99E-00	0.00E+00	2.29E-01	5.74E-06	2.29E-01	2.49E-01	1.99E-00	0.00E+00	0.00E+00	0.00E+00	3.82E-02
UW41U	1.13E-02	1.88E-00	7.41E-02	1.80E-00	0.00E+00	0.00E+00	1.43E-01	2.31E-05	4.03E-03	1.75E-02	0.00E+00	-1.86E-03	2.92E-09	6.12E-08	1.08E-01	3.87E-00	2.92E-04	0.00E+00	1.11E-01	2.47E-02	2.29E-01	0.00E+00	1.87E-07	8.36E-04	5.15E-03	1.00E-07	2.00E-00	0.00E+00	2.29E-01	5.74E-06	2.29E-01	2.49E-01	1.99E-00	0.00E+00	0.00E+00	0.00E+00	3.82E-02
UW51U	1.28E-02	2.28E-00	9.18E-02	2.18E-00	0.00E+00	0.00E+00	1.83E-01	3.71E-05	4.85E-03	2.18E-02	0.00E+00	-1.89E-03	3.49E-09	6.88E-08	1.37E-01	4.59E-00	2.73E-04	0.00E+00	1.41E-01	2.73E-02	2.87E-01	0.00E+00	2.28E-07	9.98E-04	6.14E-03	1.05E-06	2.00E-00	0.00E+00	2.87E-01	7.19E-06	2.87E-01	3.12E-01	2.00E-00	0.00E+00	0.00E+00	0.00E+00	4.83E-02
UW51U1	1.02E-02	2.11E-00	7.89E-02	2.04E-00	0.00E+00	0.00E+00	1.70E-01	3.45E-05	3.21E-03	2.04E-02	0.00E+00	-1.16E-03	3.20E-09	5.88E-08	1.29E-01	4.15E-00	2.73E-04	0.00E+00	1.29E-01	1.81E-02	2.69E-01	0.00E+00	2.17E-07	9.18E-04	5.85E-03	7.99E-07	2.31E-00	0.00E+00	2.69E-01	6.82E-06	2.69E-01	2.92E-01	2.31E-00	0.00E+00	0.00E+00	0.00E+00	3.36E-02
UW51V	1.37E-02	2.46E-00	1.02E-01	2.36E-00	0.00E+00	0.00E+00	2.14E-01	4.33E-05	5.03E-03	2.39E-02	0.00E+00	-1.93E-03	3.78E-09	7.55E-08	1.53E-01	5.15E-00	3.95E-05	0.00E+00	1.62E-01	2.63E-02	3.21E-01	0.00E+00	2.50E-07	1.11E-07	6.71E-03	8.68E-07	2.87E-00	0.00E+00	3.21E-01	7.88E-06	3.21E-01	3.50E-01	2.87E-00	0.00E+00	0.00E+00	0.00E+00	5.37E-02
UW61U	1.44E-02	2.67E-00	1.04E-01	2.57E-00	0.00E+00	0.00E+00	2.13E-01	4.31E-05	5.20E-03	2.38E-02	0.00E+00	-1.93E-03	4.07E-09	7.54E-08	1.62E-01	5.32E-00	2.73E-04	0.00E+00	1.64E-01	2.79E-02	3.21E-01	0.00E+00	2.65E-07	1.16E-07	7.21E-03	1.06E-06	2.94E-00	0.00E+00	3.21E-01	8.38E-06	3.38E-01	3.47E-01	2.94E-00	0.00E+00	0.00E+00	0.00E+00	5.93E-02
UW61U1	1.16E-02	2.33E-00	9.12E-02	2.44E-00	0.00E+00	0.00E+00	2.05E-01	4.06E-05	3.56E-03	2.44E-02	0.00E+00	-1.16E-03	3.77E-09	5.75E-08	1.51E-01	4.83E-00	2.73E-04	0.00E+00	1.52E-01	1.81E-02	3.19E-01	0.00E+00	2.57E-07	1.08E-07	6.72E-03	8.47E-07	2.73E-00	0.00E+00	3.19E-01	8.08E-06	3.19E-01	3.47E-01	2.73E-00	0.00E+00	0.00E+00	0.00E+00	5.16E-02
UW61V	1.59E-02	2.99E-00	1.19E-01	2.86E-00	0.00E+00	0.00E+00	2.59E-01	5.24E-05	5.94E-03	2.89E-02	0.00E+00	-1.92E-03	4.53E-09	6.53E-08	1.86E-01	6.14E-00	3.95E-05	0.00E+00	1.95E-01	2.73E-02	3.89E-01	0.00E+00	3.02E-07	1.33E-07	8.05E-03	1.02E-06	3.46E-00	0.00E+00	3.89E-01	9.52E-06	3.89E-01	4.22E-01	3.46E-00	0.00E+00	0.00E+00	0.00E+00	6.89E-02
UW61VA	1.33E-02	2.84E-00	1.06E-01	2.74E-00	0.00E+00	0.00E+00	2.46E-01	4.94E-05	3.83E-03	2.75E-02	0.00E+00	-1.21E-03	4.30E-09	6.74E-08	1.79E-01	5.65E-00	3.95E-05	0.00E+00	1.83E-01	1.73E-02	3.70E-01	0.00E+00	2.88E-07	1.23E-07	7.56E-03	7.82E-07	3.25E-00	0.00E+00	3.70E-01	9.24E-06	3.70E-01	4.02E-01	3.25E-00	0.00E+00	0.00E+00	0.00E+00	6.25E-02
UW71U	1.65E-02	3.21E-00	1.19E-01	3.10E-00	0.00E+00	0.00E+00	2.48E-01	5.04E-05	5.67E-03	3.11E-02	0.00E+00	-1.89E-03	4.81E-09	8.31E-08	1.91E-01	6.24E-00	3.12E-04	0.00E+00	1.92E-01	2.73E-02	4.04E-01	0.00E+00	3.17E-07	1.39E-07	8.83E-03	1.15E-06	3.45E-00	0.00E+00	4.04E-01	1.02E-06	4.04E-01	4.30E-01	3.45E-00	0.00E+00	0.00E+00	0.00E+00	6.32E-02
UW71V	1.88E-02	3.62E-00	1.30E-01	3.48E-00	0.00E+00	0.00E+00	2.81E-01	6.09E-05	6.98E-03	3.48E-02	0.00E+00	-1.96E-03	5.24E-09	9.45E-08	2.21E-01	7.18E-00	3.12E-04	0.00E+00	2.17E-01	2.71E-02	4.16E-01	0.00E+00	3.60E-07	1.537E-07	9.61E-03	1.106E-06	4.00E+00	0.00E+00	4.16E-01	1.15E-06	4.61E-01	5.02E-01	4.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-02
UW71VA	1.56E-02	3.43E-00	1.23E-01	3.31E-00	0.00E+00	0.00E+00	2.88E-01	5.84E-05	4.34E-03	3.32E-02	0.00E+00	-1.21E-03	5.01E-09	7.66E-08	2.34E-01	6.63E-00	3.95E-05	0.00E+00	2.16E-01	1.74E-02	4.43E-01	0.00E+00	3.46E-07	1.49E-07	9.11E-03	8.47E-07	3.64E-00	0.00E+00	4.43E-01	1.12E-05	4.43E-01	4.81E-01	3.64E-00	0.00E+00	0.00E+00	0.00E+00	7.33E-02
UY01R1S	5.77E-03	8.69E-01	3.37E-02	8.29E-01	0.00E+00	0.00E+00	1.78E-00	1.45E-05	2.53E-03	8.42E-03	0.00E+00	-1.05E-03	1.12E-09	1.34E-08	5.27E-02	1.88E-00	1.83E-04	0.00E+00	5.83E-00	1.58E-02	1.11E-01	0.00E+00	8.78E-08	3.94E-08	2.42E-03	5.58E-07	1.00E-00	0.00E+00	1.11E-01	2.64E-06	1.11E-01	1.21E-01	1.00E-00	0.00E+00	0.00E+00	0.00E+00	1.94E-02
UY02R2N	6.29E-03	1.18E-00	4.01E-02	1.14E-00	0.00E+00	0.00E+00	3.70E-00	1.93E-06	2.94E-03	1.15E-02	0.00E+00	5.41E-09	1.95E-09	3.46E-08	7.38E-02	2.38E-00	1.83E-04	0.00E+00	7.39E-00	1.19E-02	1.93E-01	0.00E+00	1.19E-07	6.19E-08	3.18E-03	2.44E-07	1.33E-00	0.00E+00	1.93E-01	3.61E-06	1.93E-01	1.84E-01	1.33E-00	0.00E+00	0.00E+00	0.00E+00	2.51E-02
UY02R2S	1.06E-02	1.44E-00	5.12E-02	1.37E-00	0.00E+00	0.00E+00	4.05E-00	2.34E-05	3.54E-03	1.44E-02	0.00E+00	-1.26E-03	1.98E-09	3.93E-08	8.52E-02	3.16E-00	1.83E-04	0.00E+00	9.00E-00	3.02E-02	3.19E-01	0.00E+00	1.49E-07	5.98E-08	4.07E-03	7.97E-07	1.65E-00	0.00E+00	3.19E-01	6.85E-06	3.19E-01	1.96E-01	1.65E-00	0.00E+00	0.00E+00	0.00E+00	3.21E-02
UY31J1N	3.36E-02	6.33E-00	1.62E-01	6.37E-00	0.00E+00	0.00E+00	3.58E-01	6.81E-05	1.53E-02	5.87E-02	0.00E+00	-1.80E-04	6.98E-09	1.79E-07	2.49E-01	9.81E-00	3.43E-04	0.00E+00	2.73E-01	7.98E-02	5.94E-01	0.00E+00	4.4E-07	2.13E-07	1.56E-02	9.75E-07	5.00E+00	0.00E+00	5.94E-01	1.23E-05	5.94E-01	5.99E-01	5.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-02
UY32A3N	1.16E-01	1.12E-01	2.03E-00	9.18E-00	0.00E+00	0.00E+00	8.17E-01	1.60E-04	7.22E-02	8.89E-02	0.00E+00	-2.02E-01	1.34E-08	8.27E-07	4.41E-01	2.03E-01	2.10E-04	0.00E+00	7.41E-01	2.88E-00	9.92E-01	0.00E+00	7.61E-07	4.26E-07	2.76E-02	6.59E-06	1.28E-01	0.00E+00	9.92E-01	4.93E-06	9.92E-01	1.11E-02	1.28E-01	0.00E+00	0.00E+00	0.00E+00	2.77E-03
UZ00S	2.29E-03	5.15E-02	3.12E-02	2.04E-02	0.00E+00	0.00E+00	3.70E-02	3.00E-08	1.35E-05	1.44E-04	0.00E+00	-3.76E-03	2.46E-10	1.93E-10	4.46E-04	5.00E-06	1.83E-04	0.00E+00	3.02E-04	5.11E-02	2.54E-02	0.00E+00	1.66E-10	8.41E-12	2.97E-05	1.33E-06	-1.86E-03	0.00E+00	2.54E-02	4.41E-07	2.54E-02	2.97E-02	-1.86E-03	0.00E+00	0.00E		

FP72SN2	2.23E-02	3.34E-00	2.29E-01	3.56E-00	0.00E+00	0.00E+00	6.36E-01	-3.37E-01	2.59E-03	3.87E-02	0.00E+00	-8.31E-06	8.27E-08	-1.33E-07	4.42E-01	7.22E-02	0.00E+00	0.00E+00	1.61E-01	-2.97E-02	1.50E-01	0.00E+00	4.94E-07	-4.99E-07	3.22E-03	-1.39E-05	4.01E-00	0.00E+00	1.50E-01	-1.81E-04	1.55E-01	1.91E-01	4.01E-00	0.00E+00	0.00E+00	0.00E+00	2.04E-02	
FP73SN2	7.99E-02	1.77E-01	8.00E-01	1.62E-01	0.00E+00	0.00E+00	2.31E-02	4.02E-04	1.51E-02	1.67E-01	0.00E+00	-1.24E-04	3.21E-08	5.00E-07	1.33E-00	3.92E-01	0.00E+00	0.00E+00	1.60E-02	-4.41E-02	2.77E-02	0.00E+00	2.06E-08	8.93E-07	4.88E-02	-2.91E-05	2.67E-01	0.00E+00	2.77E-02	8.67E-05	2.75E-02	3.00E-02	2.87E-01	0.00E+00	0.00E+00	0.00E+00	3.96E-03	
FP74QS	-2.01E-01	-3.48E-01	3.78E-01	3.44E-01	0.00E+00	0.00E+00	-1.20E-02	-1.31E-02	-3.08E-02	2.87E-01	0.00E+00	1.46E-18	-3.83E-07	-1.27E-06	-6.65E-01	-6.62E-01	0.00E+00	0.00E+00	2.47E-02	5.59E-01	-3.70E-02	0.00E+00	-1.42E-06	-3.21E-06	-1.86E-01	0.00E+00	2.59E-01	0.00E+00	-3.70E-02	4.99E-04	-3.70E-02	-3.72E-02	2.59E-01	0.00E+00	0.00E+00	0.00E+00	-1.05E-04	
FP74QT	3.54E-02	4.30E-00	2.30E-01	6.23E-00	0.00E+00	0.00E+00	1.80E-02	-4.37E-02	2.98E-03	14.45E-02	0.00E+00	-1.19E-02	-1.01E-07	-8.13E-08	3.44E-01	-3.43E-01	0.00E+00	0.00E+00	3.95E-01	-5.35E-01	1.95E-00	0.00E+00	8.47E-07	6.00E-07	4.23E-02	3.14E-04	3.83E-00	0.00E+00	6.96E-00	-2.08E-04	6.56E-00	1.76E-02	1.83E-00	0.00E+00	0.00E+00	0.00E+00	4.41E-02	
FP82QS	5.89E-02	1.33E-01	1.00E-01	1.02E-01	0.00E+00	0.00E+00	1.00E+00	1.30E-04	1.21E-02	2.68E-01	1.53E-01	0.00E+00	-9.78E-04	1.30E-08	3.87E-07	6.65E-01	-6.64E-01	0.00E+00	0.00E+00	1.00E+00	-4.51E-01	1.55E-00	0.00E+00	1.84E-07	5.14E-07	3.47E-03	3.71E-04	1.24E-01	0.00E+00	1.55E-00	4.00E-00	1.55E-02	1.88E-02	1.33E-01	0.00E+00	0.00E+00	0.00E+00	4.34E-03
FP82SN2	1.49E-01	2.79E-01	4.96E-01	2.70E-01	0.00E+00	0.00E+00	6.17E-01	-6.03E-02	2.33E-02	-2.76E-01	0.00E+00	-6.79E-04	2.50E-07	-8.02E-07	7.23E-01	-1.62E-02	0.00E+00	0.00E+00	-1.79E-02	-4.51E-01	3.30E-02	0.00E+00	-1.16E-08	2.33E-08	-1.35E-01	-3.71E-04	8.82E-01	0.00E+00	3.30E-02	-4.88E-04	3.30E-02	3.36E-02	2.82E-01	0.00E+00	0.00E+00	0.00E+00	3.79E-03	
FP83QT	7.83E-01	1.46E-01	8.00E-01	1.38E-01	0.00E+00	0.00E+00	2.47E-02	5.04E-04	1.41E-02	1.54E-01	0.00E+00	-8.06E-04	2.95E-08	5.33E-07	1.00E+00	-3.26E-01	0.00E+00	0.00E+00	1.70E-02	-3.79E-01	2.93E-02	0.00E+00	2.05E-08	8.34E-07	4.28E-03	3.07E-04	1.74E-01	0.00E+00	2.93E-02	6.37E-05	2.33E-02	2.84E-02	1.74E-01	0.00E+00	0.00E+00	0.00E+00	3.95E-03	
FP83SN2	1.80E-01	3.51E-01	3.44E-01	3.47E-01	0.00E+00	0.00E+00	-1.03E-02	-1.16E-02	2.99E-02	3.57E-01	0.00E+00	9.13E-19	3.21E-07	-1.12E-06	3.51E-01	-7.54E-01	0.00E+00	0.00E+00	2.77E-02	3.38E-18	3.33E-02	0.00E+00	-1.32E-08	2.89E-08	-1.72E-01	0.00E+00	-2.66E-01	0.00E+00	3.33E-02	6.19E-04	-3.32E-02	2.84E-02	2.66E-01	0.00E+00	0.00E+00	0.00E+00	6.20E-03	
FP83TN2	7.60E-01	1.47E-01	8.00E-01	1.46E-01	0.00E+00	0.00E+00	2.50E-02	5.12E-04	1.42E-02	1.56E-01	0.00E+00	-9.36E-04	2.95E-08	5.44E-07	1.00E+00	-3.26E-01	0.00E+00	0.00E+00	1.70E-02	-4.17E-01	2.93E-02	0.00E+00	2.05E-08	8.44E-07	4.31E-03	3.06E-04	1.74E-01	0.00E+00	2.93E-02	6.43E-05	2.33E-02	2.81E-02	1.74E-01	0.00E+00	0.00E+00	0.00E+00	6.06E-03	
FP84QT	1.11E-01	2.32E-01	1.12E-01	2.41E-01	0.00E+00	0.00E+00	3.20E-02	6.47E-04	2.19E-02	2.43E-01	0.00E+00	-1.24E-04	2.97E-08	6.97E-07	1.63E-00	-1.40E-01	0.00E+00	0.00E+00	2.21E-02	-4.41E-02	3.73E-02	0.00E+00	2.83E-08	1.21E-08	6.70E-02	2.91E-05	1.11E-01	0.00E+00	3.73E-02	8.77E-05	3.73E-02	4.04E-02	3.11E-01	0.00E+00	0.00E+00	0.00E+00	7.73E-03	
FP84SN2	-2.25E-01	-3.93E-01	4.12E-01	3.98E-01	0.00E+00	0.00E+00	-1.30E-02	-1.46E-02	-3.46E-02	4.12E-01	0.00E+00	-1.24E-04	-4.04E-07	-1.41E-06	-4.65E-01	-8.74E-01	0.00E+00	0.00E+00	2.74E-02	-4.41E-02	-4.17E-02	0.00E+00	-1.60E-08	-3.80E-08	-2.09E-01	2.91E-05	3.23E-01	0.00E+00	-4.17E-02	-7.81E-04	-4.17E-02	4.49E-02	-3.23E-01	0.00E+00	0.00E+00	0.00E+00	-1.16E-04	
FP92QS	-1.72E-01	-3.43E-01	5.88E-01	3.38E-01	0.00E+00	0.00E+00	-1.03E-02	-9.93E-02	-2.83E-02	3.36E-01	0.00E+00	-1.08E-02	-2.76E-07	-8.97E-07	8.30E-01	-1.11E-02	0.00E+00	0.00E+00	-1.95E-02	-4.91E-01	-3.71E-02	0.00E+00	-1.42E-08	-6.42E-08	-1.56E-01	3.99E-04	3.13E-01	0.00E+00	-3.71E-02	-5.37E-04	-3.71E-02	4.02E-02	-1.33E-01	0.00E+00	0.00E+00	0.00E+00	8.19E-03	
FP92SN2	9.97E-01	3.94E-01	4.97E-01	2.76E-01	0.00E+00	0.00E+00	9.16E-01	9.79E-03	2.43E-02	2.89E-01	0.00E+00	9.98E-04	3.70E-07	3.44E-07	7.31E-01	8.15E-01	0.00E+00	0.00E+00	-1.83E-02	-4.61E-01	3.42E-02	0.00E+00	-1.16E-08	2.47E-08	-1.44E-01	-3.80E-04	2.56E-01	0.00E+00	3.42E-02	-2.24E-04	3.42E-02	9.28E-02	-3.66E-01	0.00E+00	0.00E+00	0.00E+00	-1.82E-03	
FP93QS	1.92E-01	2.90E-01	9.88E-01	1.99E-01	0.00E+00	0.00E+00	2.48E-02	1.24E-04	1.85E-02	2.04E-01	0.00E+00	-1.24E-04	2.63E-08	6.19E-07	1.00E+00	-4.14E-02	0.00E+00	0.00E+00	1.97E-02	-4.41E-02	3.90E-02	0.00E+00	2.54E-08	1.09E-08	5.71E-05	2.91E-05	3.31E-01	0.00E+00	3.90E-02	3.35E-02	6.10E-05	3.35E-02	3.31E-01	0.00E+00	0.00E+00	0.00E+00	6.81E-03	
FP93SN2	8.44E-02	1.94E-01	8.94E-01	1.97E-01	0.00E+00	0.00E+00	2.79E-02	5.72E-04	1.97E-02	1.73E-01	0.00E+00	-1.38E-02	2.96E-08	6.06E-07	1.05E-00	-2.35E-02	0.00E+00	0.00E+00	1.92E-02	-6.22E-01	2.44E-02	0.00E+00	-2.32E-08	9.57E-07	4.77E-02	-5.09E-04	2.44E-01	0.00E+00	2.44E-02	7.32E-05	2.44E-02	2.89E-02	2.44E-01	0.00E+00	0.00E+00	0.00E+00	6.75E-03	
FP94QS	-2.83E-01	-5.98E-01	8.86E-01	-5.48E-01	0.00E+00	0.00E+00	-1.65E-02	-1.65E-02	-4.65E-02	5.52E-01	0.00E+00	-1.51E-03	-4.99E-07	-1.64E-06	-1.30E-00	-1.44E-02	0.00E+00	0.00E+00	3.24E-02	-6.97E-01	-6.00E-02	0.00E+00	-2.29E-08	-4.31E-08	2.37E-01	5.74E-04	-4.51E-01	0.00E+00	-6.00E-02	-8.92E-04	-6.00E-02	-6.45E-02	-4.51E-01	0.00E+00	0.00E+00	0.00E+00	-1.36E-04	
FP94SN2	3.63E-01	4.99E-01	6.02E-01	4.94E-01	0.00E+00	0.00E+00	1.49E-02	-1.63E-02	4.26E-02	1.49E-01	0.00E+00	-1.24E-04	4.52E-07	-1.59E-06	6.82E-01	-9.97E-01	0.00E+00	0.00E+00	3.09E-02	-4.41E-02	4.92E-02	0.00E+00	-3.90E-08	4.09E-08	2.43E-01	2.91E-05	3.70E-01	0.00E+00	4.92E-02	-8.73E-04	4.92E-02	4.92E-02	3.70E-01	0.00E+00	0.00E+00	0.00E+00	-1.30E-04	
FP95SN2	2.54E-01	5.96E-01	8.97E-01	6.20E-01	0.00E+00	0.00E+00	1.84E-02	-1.59E-02	4.23E-02	6.55E-01	0.00E+00	1.91E-08	5.60E-07	-1.94E-06	8.13E-01	-6.71E-01	0.00E+00	0.00E+00	3.73E-02	7.30E-18	5.92E-02	0.00E+00	-4.90E-08	4.90E-08	2.43E-01	2.91E-05	4.00E-01	0.00E+00	5.92E-02	-6.73E-04	5.92E-02	6.10E-02	4.00E-01	0.00E+00	0.00E+00	0.00E+00	-1.30E-04	
FR22E1	8.63E-01	8.43E-01	1.10E-00	9.32E-01	0.00E+00	0.00E+00	3.31E-02	-3.59E-02	8.37E-02	-9.97E-01	0.00E+00	-2.36E-02	8.39E-07	-3.69E-06	-1.81E-00	-1.83E-02	0.00E+00	0.00E+00	-6.12E-02	8.44E-01	8.99E-02	0.00E+00	-4.06E-08	7.75E-08	4.62E-01	-5.56E-04	-7.92E-01	0.00E+00	8.99E-02	-1.81E-03	8.99E-02	-1.06E-02	-7.92E-01	0.00E+00	0.00E+00	0.00E+00	2.57E-04	
FR22E2	4.73E-01	8.95E-01	8.74E-01	8.77E-01	0.00E+00	0.00E+00	2.55E-02	-2.97E-02	-7.39E-02	8.16E-01	0.00E+00	1.93E-18	8.20E-07	8.20E-06	1.00E+00	-1.32E-02	0.00E+00	0.00E+00	5.58E-02	6.93E-18	-8.84E-02	0.00E+00	-3.87E-08	-7.44E-08	4.41E-01	0.00E+00	5.54E-01	0.00E+00	8.84E-02	-1.60E-02	8.84E-02	-9.44E-02	-8.94E-01	0.00E+00	0.00E+00	0.00E+00	-2.35E-04	
FR22G1	2.94E-01	5.82E-01	2.55E-00	5.37E-01	0.00E+00	0.00E+00	7.39E-02	1.50E-03	5.24E-02	5.33E-01	0.00E+00	3.00E-17	7.44E-08	1.65E-06	4.08E-00	1.37E-02	0.00E+00	0.00E+00	5.13E-02	1.01E-18	8.93E-02	0.00E+00	6.28E-08	2.77E-08	1.46E-01	0.00E+00	8.70E-01	0.00E+00	8.93E-02	1.98E-04	8.93E-02	9.28E-02	8.70E-01	0.00E+00	0.00E+00	0.00E+00	1.81E-04	
FR22H2	2.02E-01	5.84E-01	3.94E-01	5.99E-01	0.00E+00	0.00E+00	7.99E-02	1.57E-03	5.08E-02	5.95E-01	0.00E+00	3.14E-17	7.20E-08	1.88E-06	4.00E-00	1.40E-02	0.00E+00	0.00E+00	5.13E-02	1.05E-18	8.93E-02	0.00E+00	6.28E-08	2.77E-08	1.46E-01	0.00E+00	9.04E-01	0.00E+00	8.93E-02	1.98E-04	8.93E-02	9.28E-02	8.70E-01	0.00E+00	0.00E+00	0.00E+00	1.81E-04	
FR22S1	-7.13E-01	-8.97E-01	1.16E-00	-8.75E-01	0.00E+00	0.00E+00	3.34E-02	-2.94E-02	-8.40E-02	-9.96E-01	0.00E+00	-3.23E-03	8.31E-07	-2.92E-06	-1.90E-01	-1.99E-02	0.00E+00	0.00E+00	-6.02E-02	-1.15E-00	-1.09E-03	0.00E+00	-4.16E-08	-7.73E-08	-4.62E-01	-7.59E-04	-7.64E-01	0.00E+00	-1.09E-03	-1.62E-03	-1.05E-02	-1.13E-03	-7.64E-01	0.00E+00	0.00E+00	0.00E+00	2.92E-04	
FR22S2	5.19E-01	8.93E-01	1.10E-00	9.72E-01	0.00E+00	0.00E+00	3.37E-02	3.11E-02	8.45E-02	1.20E+00	0.00E+00	3.23E-03	8.62E-07	3.07E-06	1.97E-00	1.94E-02	0.00E+00	0.00E+00	6.09E-02	-1.15E-00	-1.04E-03	0.00E+00	-4.15E-08	7.98E-08	4.74E-01	-7.59E-04	7.47E-01	0.00E+00	-1.04E-03	-1.68E-03	-1.04E-02	-1.11E-03	-7.47E-01	0.00E+00	0.00E+00	0.00E+00	2.94E-04	
FR23E1	9.89E-01	-1.22E-02	1.38E-00	-1.26E-02	0.00E+00	0.00E+00	4.95E-02	-4.36E-02	-1.07E-01	1.27E+00	0.00E+00	-2.16E-03	-1.05E-06	-8.44E-06	3.14E-00	-2.27E-02	0.00E+00	0.00E+00	-7.69E-02	-7.49E-01	-1.24E-03	0.00E+00	8.34E-08	9.78E-08	8.86E-01	4.93E-04	9.14E-01	0.00E+00	-1.24E-03	-2.23E-03	-1.24E-03	-1.33E-03	-8.14E-01					

FW636FT	6.10E+02	1.23E+01	1.01E+00	1.13E+01	0.00E+00	0.00E+00	2.95E+02	-2.48E+01	1.88E+02	1.12E+01	0.00E+00	-4.56E+00	5.76E+04	4.77E+07	1.58E+00	4.44E+01	0.00E+00	0.00E+00	1.60E+02	-1.63E+02	2.58E+02	0.00E+00	2.23E+00	3.70E+01	1.26E+02	-1.07E+05	3.09E+01	0.00E+00	2.58E+02	8.83E+05	2.58E+02	2.89E+02	3.09E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E+03
FWB31D1	-2.39E+02	-3.94E+00	-3.21E+02	-3.65E+00	0.00E+00	0.00E+00	-1.22E+01	-1.74E+03	-3.29E+03	-3.95E+02	0.00E+00	-6.22E+18	-4.77E+08	-1.61E+07	-3.34E+02	-1.68E+01	0.00E+00	0.00E+00	-3.03E+01	-1.16E+17	-4.20E+01	0.00E+00	-1.26E+07	-4.05E+07	-2.25E+02	0.00E+00	-4.37E+00	0.00E+00	-4.23E+01	-0.19E+05	-4.20E+01	-4.64E+01	-4.37E+00	0.00E+00	0.00E+00	0.00E+00	-1.30E+03	
FWB31S	-3.20E+02	-2.78E+00	8.88E+02	-7.00E+00	0.00E+00	0.00E+00	7.88E+00	-2.38E+03	-3.15E+03	8.62E+02	0.00E+00	-3.30E+04	6.43E+08	-1.78E+07	-1.46E+01	-2.61E+01	0.00E+00	0.00E+00	3.44E+01	-1.50E+07	-7.18E+01	0.00E+00	-1.65E+07	-5.61E+07	-3.40E+03	1.28E+04	-6.81E+00	0.00E+00	-7.18E+01	-1.25E+04	-7.18E+01	-7.76E+01	-6.81E+00	0.00E+00	0.00E+00	0.00E+00	-1.54E+03	
FWB32D1	-3.96E+02	-2.59E+00	-7.34E+02	-7.51E+00	0.00E+00	0.00E+00	2.33E+01	-2.57E+03	4.79E+03	-1.78E+02	0.00E+00	2.34E+19	-7.11E+08	-2.49E+07	5.52E+02	-2.20E+01	0.00E+00	0.00E+00	-4.77E+01	-1.13E+18	-1.99E+02	0.00E+00	2.62E+07	-6.31E+07	-3.72E+02	0.00E+00	-6.59E+00	0.00E+00	-7.00E+01	-1.55E+04	-7.00E+01	-7.76E+01	-6.59E+00	0.00E+00	0.00E+00	0.00E+00	-2.04E+03	
FWB32M2	-7.79E+02	-1.54E+01	-3.54E+01	-1.50E+01	0.00E+00	0.00E+00	0.00E+00	-4.88E+03	6.79E+03	-1.48E+01	0.00E+00	-1.00E+03	-1.26E+07	-4.53E+07	5.65E+01	-7.47E+01	0.00E+00	0.00E+00	-9.20E+01	-2.90E+07	-1.99E+02	0.00E+00	2.56E+08	-6.79E+07	-3.30E+03	3.98E+04	-1.80E+01	0.00E+00	-1.99E+02	-2.62E+04	-1.99E+02	-2.76E+01	-1.80E+01	0.00E+00	0.00E+00	0.00E+00	-3.92E+03	
FWB32S	2.71E+02	6.99E+00	4.89E+02	6.92E+00	0.00E+00	0.00E+00	1.33E+01	-2.87E+03	2.02E+04	-8.62E+02	0.00E+00	-6.44E+04	7.77E+08	-1.46E+07	-1.02E+01	-2.70E+01	0.00E+00	0.00E+00	-2.49E+01	-2.89E+01	6.89E+01	0.00E+00	3.17E+08	8.62E+07	3.51E+02	-2.33E+04	-4.20E+00	0.00E+00	6.89E+01	-1.46E+04	6.89E+01	7.71E+01	-4.20E+00	0.00E+00	0.00E+00	0.00E+00	-1.27E+03	
FWB34S	-3.05E+01	-3.13E+01	-5.41E+01	-3.06E+01	0.00E+00	0.00E+00	-1.27E+02	-2.42E+02	-3.13E+02	2.78E+01	0.00E+00	-1.01E+03	2.98E+07	2.88E+04	-7.78E+01	-1.52E+02	0.00E+00	0.00E+00	-1.98E+02	-4.87E+01	-3.37E+02	0.00E+00	-1.28E+08	-2.97E+08	-1.80E+01	3.85E+04	-3.62E+01	0.00E+00	-3.37E+02	-9.14E+04	-3.37E+02	-3.73E+02	-3.62E+01	0.00E+00	0.00E+00	0.00E+00	-4.34E+03	
FWB41D1	1.13E+02	1.83E+00	8.65E+02	1.82E+00	0.00E+00	0.00E+00	4.00E+01	-4.96E+02	2.15E+03	2.31E+02	0.00E+00	3.51E+04	1.88E+10	8.97E+08	1.06E+01	-1.66E+01	0.00E+00	0.00E+00	-3.02E+01	-1.62E+01	3.01E+01	0.00E+00	3.74E+07	1.14E+07	5.30E+03	-1.34E+04	1.61E+00	0.00E+00	3.01E+01	4.32E+04	3.01E+01	3.71E+01	1.61E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+03	
FWB41S	-9.47E+02	-6.82E+00	-6.82E+00	-6.82E+00	0.00E+00	0.00E+00	2.07E+01	-7.96E+03	8.83E+03	1.08E+01	0.00E+00	1.15E+18	-1.18E+08	-8.07E+07	2.28E+02	-3.98E+01	0.00E+00	0.00E+00	-5.03E+01	-3.90E+07	-3.01E+01	0.00E+00	3.56E+07	-1.00E+07	-3.00E+03	0.00E+00	-6.89E+00	0.00E+00	-7.00E+01	-4.23E+04	-7.00E+01	-4.23E+04	-6.89E+00	0.00E+00	0.00E+00	0.00E+00	-2.46E+03	
FWB42D1	-2.39E+02	-4.42E+00	8.79E+03	-4.43E+00	0.00E+00	0.00E+00	8.09E+01	-1.32E+03	-3.81E+03	4.44E+02	0.00E+00	-5.71E+18	6.12E+08	-1.51E+07	5.09E+02	-1.54E+01	0.00E+00	0.00E+00	-2.39E+01	-9.89E+18	-3.09E+01	0.00E+00	2.86E+08	-4.13E+07	-2.45E+02	0.00E+00	-3.18E+00	0.00E+00	-3.09E+01	-8.09E+05	-3.09E+01	-3.40E+01	-3.18E+00	0.00E+00	0.00E+00	0.00E+00	-1.11E+03	
FWB42K1	-2.08E+01	-1.93E+01	2.15E+01	-1.96E+01	0.00E+00	0.00E+00	6.33E+01	-1.04E+02	-1.81E+02	3.17E+01	0.00E+00	4.36E+07	-1.66E+07	-1.10E+06	3.09E+01	-1.11E+02	0.00E+00	0.00E+00	-1.23E+02	-1.58E+02	-1.93E+02	0.00E+00	-8.47E+07	-1.81E+08	-0.84E+03	-1.05E+05	2.54E+01	0.00E+00	-1.93E+02	-4.44E+04	-1.93E+02	-2.15E+02	-2.54E+01	0.00E+00	0.00E+00	0.00E+00	-5.11E+03	
FWB42K5	-6.27E+02	8.37E+01	2.30E+01	5.76E+01	0.00E+00	0.00E+00	5.90E+01	-3.99E+03	1.73E+04	-3.98E+03	0.00E+00	-6.31E+08	-4.32E+08	2.69E+07	4.45E+01	7.36E+01	0.00E+00	0.00E+00	-1.82E+01	-2.97E+02	-3.90E+01	0.00E+00	6.08E+07	-1.63E+07	-1.30E+02	-1.95E+05	5.06E+00	0.00E+00	5.08E+01	-1.38E+04	5.06E+00	5.04E+01	5.06E+00	0.00E+00	0.00E+00	0.00E+00	3.22E+02	
FWB42M2	-2.07E+02	-3.72E+00	-3.30E+02	-3.68E+00	0.00E+00	0.00E+00	5.94E+01	-1.80E+03	1.30E+03	-2.19E+02	0.00E+00	-7.20E+03	-4.98E+08	8.29E+07	7.02E+02	7.62E+01	0.00E+00	0.00E+00	-3.23E+01	-1.87E+01	5.52E+01	0.00E+00	4.65E+07	-2.74E+07	-1.88E+02	-4.97E+04	6.92E+00	0.00E+00	-3.23E+01	-8.47E+03	3.32E+01	-5.04E+01	6.92E+00	0.00E+00	0.00E+00	0.00E+00	-3.72E+03	
FWB42P2	-3.72E+02	-6.80E+00	-1.40E+01	-6.89E+00	0.00E+00	0.00E+00	6.94E+00	-3.12E+03	-3.02E+03	6.46E+02	0.00E+00	-9.87E+04	-8.50E+08	-3.21E+07	2.02E+01	-4.98E+01	0.00E+00	0.00E+00	-3.23E+01	-4.47E+01	-9.66E+01	0.00E+00	2.55E+08	-6.79E+07	-3.05E+03	6.25E+04	0.00E+00	0.00E+00	-3.05E+03	-6.66E+01	-1.05E+02	-3.25E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.59E+03	
FWB42S	-3.89E+02	1.24E+01	4.80E+01	1.19E+01	0.00E+00	0.00E+00	1.10E+02	-8.05E+03	7.05E+03	7.27E+02	0.00E+00	-7.80E+19	7.79E+09	-7.82E+07	8.01E+01	-4.54E+02	0.00E+00	0.00E+00	-7.59E+01	-7.11E+18	-1.65E+02	0.00E+00	1.25E+08	3.94E+07	1.90E+02	0.00E+00	1.17E+01	0.00E+00	1.65E+02	-2.22E+04	1.65E+02	1.79E+02	1.17E+01	0.00E+00	0.00E+00	0.00E+00	-2.47E+03	
FWB43S	-1.77E+01	-8.77E+00	-3.42E+01	-8.44E+00	0.00E+00	0.00E+00	6.64E+00	-1.73E+02	-1.07E+02	1.35E+01	0.00E+00	-2.41E+03	-1.19E+07	-1.81E+06	5.64E+01	-1.57E+02	0.00E+00	0.00E+00	-4.12E+01	-1.12E+02	-1.55E+02	0.00E+00	2.24E+07	-9.10E+07	6.79E+02	0.00E+00	-6.40E+01	0.00E+00	-1.19E+02	-2.23E+04	-1.55E+02	-1.76E+02	-2.16E+01	0.00E+00	0.00E+00	0.00E+00	-3.23E+03	
FWB44S	3.93E+02	1.23E+01	-1.32E+01	-1.32E+01	0.00E+00	0.00E+00	8.03E+01	-4.69E+02	4.07E+03	9.99E+02	0.00E+00	-2.10E+03	-1.15E+07	-8.86E+08	2.49E+02	-1.57E+02	0.00E+00	0.00E+00	-2.54E+01	-9.71E+07	-1.19E+02	0.00E+00	4.04E+07	-6.10E+07	6.79E+02	0.00E+00	-1.84E+01	0.00E+00	-1.19E+02	-2.23E+04	-1.55E+02	-1.76E+02	-2.16E+01	0.00E+00	0.00E+00	0.00E+00	-7.76E+02	
FWB51D1	1.00E+02	5.18E+02	1.00E+02	2.00E+04	0.00E+00	0.00E+00	3.70E+01	-5.33E+04	5.07E+04	6.66E+02	0.00E+00	-3.64E+04	3.38E+08	3.36E+08	5.89E+02	-2.05E+01	0.00E+00	0.00E+00	-1.81E+01	-1.700E+04	-1.99E+02	0.00E+00	2.73E+08	-2.39E+08	3.76E+03	1.40E+04	-3.70E+02	0.00E+00	3.48E+00	2.35E+04	9.48E+00	9.48E+00	3.76E+03	7.52E+02	0.00E+00	0.00E+00	0.00E+00	5.84E+02
FWB51S	1.39E+02	6.43E+00	3.31E+01	6.10E+00	0.00E+00	0.00E+00	9.02E+01	-4.40E+02	4.08E+03	4.12E+02	0.00E+00	-4.39E+03	7.75E+08	-3.19E+07	5.23E+01	-9.15E+02	0.00E+00	0.00E+00	-5.97E+01	-1.58E+02	1.06E+02	0.00E+00	8.09E+07	2.68E+07	1.14E+02	-1.03E+05	7.30E+00	0.00E+00	1.06E+02	-1.07E+04	1.06E+02	1.14E+02	7.30E+00	0.00E+00	0.00E+00	0.00E+00	2.04E+03	
FWB51T1S	-1.02E+01	-1.12E+01	-1.15E+01	-1.11E+01	0.00E+00	0.00E+00	4.41E+01	-8.16E+03	-1.10E+02	1.34E+01	0.00E+00	3.89E+19	-1.05E+07	8.87E+07	9.89E+02	-4.83E+01	0.00E+00	0.00E+00	-7.58E+01	-1.41E+18	-1.03E+02	0.00E+00	-4.07E+07	-9.77E+07	6.97E+03	0.00E+00	-1.19E+01	0.00E+00	-1.03E+02	-3.22E+04	-1.03E+02	-1.15E+02	-1.19E+01	0.00E+00	0.00E+00	0.00E+00	-3.23E+03	
FWB52D1	2.94E+01	1.20E+00	1.66E+01	1.03E+00	0.00E+00	0.00E+00	4.66E+01	-5.52E+04	1.18E+03	1.05E+02	0.00E+00	2.47E+18	2.43E+08	1.85E+08	3.91E+01	4.97E+00	0.00E+00	0.00E+00	-1.92E+01	8.49E+04	4.00E+01	0.00E+00	4.13E+07	3.59E+08	3.55E+03	0.00E+00	4.50E+00	0.00E+00	4.00E+01	-3.32E+05	4.00E+01	2.45E+04	4.50E+00	0.00E+00	0.00E+00	0.00E+00	5.23E+02	
FWB52K1	3.16E+02	1.61E+01	-1.80E+01	-1.56E+01	0.00E+00	0.00E+00	4.94E+00	-4.47E+03	1.18E+03	1.30E+01	0.00E+00	-8.31E+08	-8.50E+08	-3.21E+07	2.02E+01	-4.98E+01	0.00E+00	0.00E+00	-3.23E+01	-4.47E+01	-9.66E+01	0.00E+00	2.55E+08	-6.79E+07	-3.05E+03	6.25E+04	0.00E+00	0.00E+00	-3.05E+03	-6.66E+01	-1.05E+02	-3.25E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.59E+03	
FWB52K5	-1.32E+01	-2.09E+01	-2.08E+01	-2.07E+01	0.00E+00	0.00E+00	6.99E+01	-8.47E+03	-1.86E+02	2.23E+01	0.00E+00	8.19E+19	-2.04E+07	-8.81E+07	-1.72E+01	-3.38E+01	0.00E+00	0.00E+00	-1.38E+02	-3.13E+18	-1.95E+02	0.00E+00	-3.15E+07	-1.79E+08	-1.07E+01	0.00E+00	-1.45E+01	0.00E+00	-1.95E+02	-4.43E+04	-1.95E+02	-2.09E+02	-1.45E+01	0.00E+00	0.00E+00	0.00E+00	8.85E+03	
FWB52M2	-1.05E+01	-1.82E+01	-1.81E+01	-1.78E+01	0.00E+00	0.00E+00	6.40E+01	-7.54E+02	-1.29E+02	1.91E+01	0.00E+00	1.39E+18	2.09E+07	8.31E+07	-1.24E+01	-3.98E+01	0.00E+00	0.00E+00	-1.38E+02	-5.17E+18	-1.94E+02	0.00E+00	6.86E+07	-1.78E+08	-1.02E+01	0.00E+00	-1.52E+01	0.00E+00	-1.94E+02	-3.99E+04	-1.94E+02	-2.09E+02	-1.52E+01	0.00E+00	0.00E+00	0.00E+00	8.84E+03	
FWB52N	6.34E+02	1.34E+01	6.24E+01	1.26E+01	0.00E+00	0.00E+00	1.78E+02	3.81E+04	1.21E+02	1.34E+01	0.00E+00	7.46E+18	2.40E+08	8.09E+07	1.09E+00	1.27E+01	0.00E+00	0.00E+00	-1.24E+02	2.98E+17	2.19E+02	0.00E+00	1.66E+08	7.02E+07	3.76E+03	0.00E+00	1.83E+01	0.00E+00	2.19E+02	5.43E+05								

FWU32L	1.60E-02	2.85E-02	1.65E-01	2.65E-02	0.00E+00	0.00E+00	4.75E-01	8.86E-02	3.02E-03	3.30E-02	0.00E+00	1.95E-18	4.06E-09	1.02E-07	2.81E-01	-0.03E-01	0.00E+00	0.00E+00	3.28E-01	6.80E-18	5.64E-01	0.00E+00	4.28E-07	1.59E-07	3.28E-03	6.00E+00	-1.52E+00	0.00E+00	5.64E-01	1.36E-02	5.64E-01	5.49E-01	-1.52E+00	0.00E+00	0.00E+00	1.14E+03
FWU32M	-2.99E-02	-3.62E-02	1.02E-01	-3.72E-02	0.00E+00	0.00E+00	2.37E-01	-2.71E-03	1.16E-04	-3.49E-02	0.00E+00	-3.20E-09	-7.29E-09	-1.36E-07	2.03E-01	-6.02E-01	0.00E+00	0.00E+00	-1.77E-01	-1.17E-02	-1.79E-01	0.00E+00	1.75E-07	-5.13E-07	-2.79E-02	-7.68E-06	-1.08E+00	0.00E+00	-1.79E-01	-1.59E-04	-1.79E-01	2.97E-01	-1.08E+00	0.00E+00	0.00E+00	-1.02E+03
FWU32S	-8.71E-02	-3.42E-01	1.45E-01	-8.87E-01	0.00E+00	0.00E+00	1.42E-01	-1.89E-02	-3.70E-03	-3.08E-02	0.00E+00	-3.26E-09	-6.00E-09	-8.90E-07	2.00E-01	-1.21E-01	0.00E+00	0.00E+00	-1.17E-01	-1.17E-02	1.17E-01	0.00E+00	3.42E-07	-1.14E-07	2.80E-02	7.68E-06	5.16E-01	0.00E+00	-1.17E-01	-3.21E-04	1.17E-01	1.22E-01	-1.58E-01	0.00E+00	0.00E+00	-8.16E+02
FWU33S	-5.46E-02	1.45E-01	8.60E-01	1.39E-01	0.00E+00	0.00E+00	1.37E-01	-1.13E-02	7.53E-03	7.65E-02	0.00E+00	3.11E-19	6.89E-09	-1.91E-06	9.32E-01	9.93E-02	0.00E+00	0.00E+00	9.27E-01	1.07E-17	1.99E-02	0.00E+00	1.51E-08	4.02E-07	2.70E-02	6.00E+00	1.58E+01	0.00E+00	1.99E-02	-2.85E-04	1.99E-02	-6.16E-01	-1.58E-01	0.00E+00	0.00E+00	3.06E+03
FWU41L	-2.94E-02	-4.94E-02	5.69E-02	-4.89E-02	0.00E+00	0.00E+00	1.05E-01	-2.02E-03	-4.83E-03	-3.16E-02	0.00E+00	-1.56E-09	-5.59E-09	-1.19E-07	1.11E-01	-1.48E-01	0.00E+00	0.00E+00	3.70E-01	-7.36E-02	-6.91E-01	0.00E+00	1.80E-07	-4.81E-07	3.70E-02	6.00E+00	-4.79E+00	0.00E+00	-6.18E-01	-2.65E-02	-4.79E-01	1.95E-01	0.00E+00	0.00E+00	-1.57E+03	
FWU41S	-1.15E-01	-1.37E-01	2.35E-01	-1.34E-01	0.00E+00	0.00E+00	6.36E-01	-8.79E-03	-1.29E-02	-1.15E-01	0.00E+00	-4.23E-04	-1.22E-07	-8.51E-07	3.36E-01	-9.86E-01	0.00E+00	0.00E+00	6.02E-01	-1.96E-01	-1.55E-02	0.00E+00	6.63E-07	-1.19E-06	7.02E-02	-1.63E-04	-2.08E+01	0.00E+00	-1.55E-02	-3.58E-04	-1.55E-02	-1.76E-02	2.08E-01	0.00E+00	0.00E+00	-3.79E+03
FWU41K	1.09E-02	7.24E-02	3.15E-01	6.92E-02	0.00E+00	0.00E+00	4.48E-01	-2.65E-09	5.77E-03	8.27E-02	0.00E+00	-4.56E-09	7.63E-09	-8.16E-08	5.21E-01	-6.41E-01	0.00E+00	0.00E+00	5.83E-01	-1.63E-02	1.09E-02	0.00E+00	8.26E-07	2.93E-07	1.98E-03	1.07E-05	1.59E+00	0.00E+00	1.09E-02	3.78E-05	1.06E-02	1.98E-02	1.93E-02	0.00E+00	0.00E+00	2.05E+03
FWU42K	6.90E-02	3.70E-02	1.20E-01	3.62E-02	0.00E+00	0.00E+00	2.53E-01	-5.47E-03	-8.94E-03	-5.05E-02	0.00E+00	3.12E-18	8.10E-09	-4.53E-07	2.77E-01	-1.13E-01	0.00E+00	0.00E+00	2.44E-01	1.09E-17	-1.97E-02	0.00E+00	2.36E-07	6.25E-07	3.60E-02	0.00E+00	-7.88E+00	0.00E+00	-1.79E-01	-2.23E-04	-1.79E-01	2.70E-01	7.84E-01	0.00E+00	0.00E+00	-1.39E+03
FWU42K1	4.78E-01	1.17E-01	4.83E-01	1.13E-01	0.00E+00	0.00E+00	1.23E-01	-1.08E-02	-1.98E-02	-1.91E-01	0.00E+00	-8.83E-18	-1.77E-07	-1.14E-06	1.81E-01	-7.79E-01	0.00E+00	0.00E+00	1.23E-02	-1.00E-17	-1.70E-02	0.00E+00	6.22E-07	-1.59E-08	-8.28E-02	0.00E+00	-1.97E+01	0.00E+00	-1.70E-02	-4.57E-04	-1.70E-02	-1.90E-02	-1.97E-01	0.00E+00	0.00E+00	-5.22E+03
FWU42K3	-0.94E-02	-2.05E-01	1.16E-01	-2.02E-01	0.00E+00	0.00E+00	6.24E-01	-6.37E-03	-1.33E-02	1.93E-01	0.00E+00	-6.26E-04	-1.77E-07	-9.37E-07	4.62E-01	-1.93E-02	0.00E+00	0.00E+00	1.23E-02	-2.83E-09	-2.22E-02	0.00E+00	7.84E-07	-1.87E-06	-6.43E-03	2.31E-04	3.74E-01	0.00E+00	-2.22E-02	-3.40E-04	-2.22E-02	-2.00E-02	-3.74E-01	0.00E+00	0.00E+00	-4.12E+03
FWU42L	1.99E-02	3.77E-02	1.41E-01	3.63E-02	0.00E+00	0.00E+00	5.88E-01	1.24E-04	3.69E-03	4.07E-02	0.00E+00	-3.17E-04	5.40E-09	1.29E-07	2.26E-01	-1.83E-02	0.00E+00	0.00E+00	4.20E-01	-1.47E-17	5.53E-01	0.00E+00	5.37E-07	2.24E-07	1.13E-02	1.21E-04	5.12E-02	0.00E+00	5.53E-01	1.88E-02	5.53E-01	6.04E-01	5.12E-02	0.00E+00	0.00E+00	1.47E+03
FWU42M	1.19E-01	1.02E-01	4.85E-01	8.86E-02	0.00E+00	0.00E+00	1.29E-01	-4.73E-03	7.97E-02	1.98E-02	0.00E+00	3.26E-09	1.26E-09	-8.21E-07	8.22E-01	3.02E-02	0.00E+00	0.00E+00	8.94E-01	-1.17E-02	1.12E-02	0.00E+00	1.32E-08	4.73E-07	2.25E-02	7.68E-06	1.22E-01	0.00E+00	1.12E-02	3.09E-02	1.72E-02	1.84E-02	1.22E-01	0.00E+00	0.00E+00	3.04E+03
FWU42S1	-6.07E-02	-3.46E-02	9.05E-02	-7.58E-02	0.00E+00	0.00E+00	1.58E-01	-1.89E-02	-7.29E-03	-9.24E-02	0.00E+00	-3.95E-18	-9.99E-08	-7.37E-07	2.02E-01	-7.84E-01	0.00E+00	0.00E+00	3.50E-01	-3.76E-18	-3.51E-01	0.00E+00	1.12E-07	-7.73E-07	-4.62E-02	0.00E+00	-1.08E+01	0.00E+00	-3.51E-01	-3.01E-04	-3.51E-01	-4.99E-01	-1.33E-01	0.00E+00	0.00E+00	-1.80E+03
FWU43K	-8.03E-02	-8.13E-02	2.80E-02	-8.15E-02	0.00E+00	0.00E+00	4.97E-01	-8.30E-03	-7.21E-03	-3.30E-02	0.00E+00	-1.11E-03	-1.12E-07	-7.91E-07	3.06E-02	-6.31E-01	0.00E+00	0.00E+00	-1.54E-01	-6.07E-09	-6.09E-01	0.00E+00	3.75E-07	-7.81E-07	-6.22E-02	-4.09E-04	6.19E+00	0.00E+00	-6.09E-01	-3.19E-04	-6.09E-01	-6.70E-01	-6.19E-01	0.00E+00	0.00E+00	-1.17E+03
FWU43S	-7.98E-02	8.82E-02	3.77E-01	8.48E-02	0.00E+00	0.00E+00	1.55E-02	-1.33E-02	4.84E-03	3.99E-02	0.00E+00	-1.36E-03	7.90E-03	-1.11E-06	5.68E-01	-6.63E-01	0.00E+00	0.00E+00	1.00E-02	-6.21E-01	1.49E-02	0.00E+00	1.57E-06	3.70E-07	1.01E-02	5.07E-04	1.96E+00	0.00E+00	1.49E-02	-3.43E-04	1.49E-02	1.42E-02	-1.96E-02	0.00E+00	0.00E+00	3.81E+03
FWU51L	-2.14E-02	2.37E-02	1.37E-01	2.23E-02	0.00E+00	0.00E+00	5.01E-01	8.97E-09	2.72E-03	2.99E-02	0.00E+00	-1.93E-04	4.25E-09	1.68E-07	1.52E-01	-4.63E-01	0.00E+00	0.00E+00	3.42E-01	-7.26E-02	4.81E-02	0.00E+00	4.06E-07	1.47E-07	8.22E-03	6.00E+00	-3.31E+00	0.00E+00	4.81E-01	1.27E-05	-4.81E-01	-4.35E-01	2.39E-02	0.00E+00	0.00E+00	1.20E+03
FWU51S	1.46E-02	3.09E-02	1.37E-01	3.00E-02	0.00E+00	0.00E+00	5.01E-01	2.24E-02	8.60E-04	4.71E-02	0.00E+00	5.69E-04	6.89E-08	-1.11E-07	1.42E-01	-1.68E-02	0.00E+00	0.00E+00	1.10E-01	-4.57E-02	3.91E-02	0.00E+00	1.59E-07	4.37E-07	4.06E-05	6.00E+00	-2.10E+00	0.00E+00	-4.03E-01	1.27E-04	-4.03E-01	-4.26E-01	-3.10E-02	0.00E+00	0.00E+00	-3.92E+02
FWU51S1	2.71E-02	4.49E-02	1.45E-02	4.38E-02	0.00E+00	0.00E+00	2.44E-01	-2.47E-03	3.05E-03	-3.56E-02	0.00E+00	-4.02E-04	6.70E-04	-1.31E-07	-1.35E-02	-7.38E-01	0.00E+00	0.00E+00	-1.51E-01	2.27E-02	5.01E-01	0.00E+00	6.66E-08	5.19E-07	3.16E-02	-1.87E-04	-1.00E+01	0.00E+00	6.01E-01	-1.25E-04	6.01E-01	-1.00E+01	0.00E+00	0.00E+00	4.71E+02	
FWU52K	3.01E-02	9.40E-02	1.45E-01	8.99E-02	0.00E+00	0.00E+00	1.55E-02	-1.87E-03	8.69E-03	3.98E-02	0.00E+00	-4.56E-04	1.89E-08	8.20E-08	6.34E-01	-5.09E-01	0.00E+00	0.00E+00	1.08E-02	-3.16E-09	1.63E-02	0.00E+00	1.40E-08	5.37E-07	2.81E-03	2.58E-04	6.95E+00	0.00E+00	1.63E-02	1.55E-05	1.63E-02	1.59E-02	6.95E-02	0.00E+00	0.00E+00	3.77E+03
FWU52K1	1.94E-02	3.99E-02	3.84E-01	3.56E-02	0.00E+00	0.00E+00	1.02E-02	-1.81E-03	8.71E-03	3.75E-02	0.00E+00	-3.26E-09	4.98E-09	9.49E-08	6.67E-01	-5.81E-02	0.00E+00	0.00E+00	5.06E-01	-1.17E-02	1.02E-02	0.00E+00	9.87E-07	2.37E-06	-1.72E-03	-7.68E-06	9.79E+00	0.00E+00	1.02E-02	6.68E-05	1.02E-02	1.17E-02	9.79E+00	0.00E+00	1.50E+03	
FWU52K2	9.50E-03	1.04E-01	4.23E-01	9.90E-02	0.00E+00	0.00E+00	1.51E-02	-4.26E-03	8.29E-03	8.79E-02	0.00E+00	-4.50E-04	1.80E-08	1.83E-07	1.26E-01	-1.68E-02	0.00E+00	0.00E+00	1.10E-01	-3.00E-09	1.60E-02	0.00E+00	1.46E-08	5.36E-07	4.02E-02	0.00E+00	-1.08E+01	0.00E+00	1.60E-02	6.68E-05	1.60E-02	1.71E-02	9.79E+00	0.00E+00	1.50E+03	
FWU52K3	5.75E-03	5.95E-01	1.67E-01	1.38E-01	0.00E+00	0.00E+00	8.12E-01	-1.88E-03	4.96E-03	1.88E-02	0.00E+00	-4.50E-04	4.84E-08	4.56E-08	2.49E-01	-1.68E-02	0.00E+00	0.00E+00	3.18E-01	-3.00E-09	2.47E-01	0.00E+00	6.62E-07	-2.04E-07	-8.91E-03	2.47E-04	-1.81E+01	0.00E+00	2.47E-01	8.17E-02	2.47E-01	6.52E-02	-1.81E-01	0.00E+00	0.00E+00	-8.34E+02
FWU52L	2.36E-02	4.50E-02	1.81E-01	4.48E-02	0.00E+00	0.00E+00	7.07E-01	1.69E-04	4.40E-03	4.84E-02	0.00E+00	-3.17E-04	6.46E-03	1.50E-07	2.88E-01	7.02E-02	0.00E+00	0.00E+00	5.09E-01	-1.47E-09	6.83E-01	0.00E+00	6.32E-07	2.66E-07	1.30E-02	1.27E-04	6.46E+00	0.00E+00	6.83E-01	2.18E-02	6.83E-01	7.47E-01	6.46E+00	0.00E+00	0.00E+00	1.79E+03
FWU52M	-1.76E-02	-2.34E-01	4.73E-01	-2.36E-01	0.00E+00	0.00E+00	9.07E-01	-1.29E-02	-2.16E-02	2.59E-01	0.00E+00	-1.07E-03	-2.23E-07	-1.36E-06	4.78E-01	-8.84E-01	0.00E+00	0.00E+00	-1.59E-02	-4.96E-07	-2.89E-02	0.00E+00	9.41E-07	-2.07E-06	-1.23E-01	4.09E-04	2.41E-01	0.00E+00	-2.89E-02	5.62E-04	-2.89E-02	-3.10E-02	-2.41E-01	0.00E+00	0.00E+00	-4.71E+03
FWU52S	6.19E-02	1.18E-01	3.95E-01	1.16E-01	0.00E+00	0.00E+00	1.67E-02	3.30E-04	1.70E-02	1.23E-01	0.00E+00	9.91E-04	2.26E-08	4.23E-07	5.82E-01	-8.88E-01	0.00E+00	0.00E+00	1.17E-02	-4.52E-03	1.94E-02	0.00E+00	1.44E-08	5.63E-07	3.02E-02	-3.78E-04	2.12E+00	0.00E+00	1.94E-02	1.45E-02	1.94E-02	3.12E+00	0.00E+00	0.00E+00	4.09E+03	
FWU52S1	9.69E-02	1.99E-02	1.16E-01	1.44E-01	0.00E+00	0.00E+00	1.60E-02	1.49E-02	1.60E-02	1.49E-02	0.00E+00	-4.56E-09	2.33E-08	4.02E-07	1.60E-01	-1.49E-01	0.00E+00	0.00E+00	1.00E-02	-1.63E-02	1.01E-02	0.00E+00	1.60E-07	6.69E-07	4.02E-											

UM51UK	1.57E+03	4.33E+01	2.50E+02	-6.64E+01	0.00E+00	0.00E+00	7.81E+00	1.22E+08	2.30E+04	2.11E+03	0.00E+00	3.21E+18	1.10E+09	1.52E+08	3.69E+02	7.94E+01	0.00E+00	0.00E+00	4.91E+00	1.08E+18	6.88E+00	0.00E+00	5.04E+08	-1.49E+08	6.72E+04	0.00E+00	-1.09E+01	0.00E+00	6.88E+00	2.07E+09	6.88E+00	-4.00E+00	-1.09E+01	0.00E+00	0.00E+00	0.00E+00	1.74E+02
UM61UK	9.84E+02	3.13E+00	2.08E+02	-3.11E+00	0.00E+00	0.00E+00	-6.66E+00	-5.31E+04	-1.72E+03	-2.07E+02	0.00E+00	1.97E+20	-1.49E+08	-5.49E+08	-3.06E+02	-1.05E+02	0.00E+00	0.00E+00	-1.10E+01	6.02E+20	-1.87E+01	0.00E+00	8.86E+08	-1.89E+07	4.83E+03	0.00E+00	-1.61E+01	0.00E+00	-1.87E+01	-2.82E+05	-1.87E+01	3.48E+01	-1.61E+01	0.00E+00	0.00E+00	0.00E+00	4.53E+02
UM71UK	-1.15E+02	-3.51E+00	-2.48E+02	-3.49E+00	0.00E+00	0.00E+00	4.62E+00	-4.14E+04	2.01E+03	-2.41E+02	0.00E+00	0.00E+00	-1.73E+08	-4.33E+08	3.70E+02	-1.09E+02	0.00E+00	0.00E+00	-1.28E+01	0.00E+00	-2.31E+01	0.00E+00	-1.07E+07	-2.15E+07	-1.04E+02	0.00E+00	-1.69E+01	0.00E+00	-2.31E+01	-3.29E+05	-2.31E+01	-3.90E+01	-1.69E+01	0.00E+00	0.00E+00	0.00E+00	4.29E+02
UN04A	3.44E+03	8.23E+01	3.45E+02	7.94E+01	0.00E+00	0.00E+00	1.01E+01	2.01E+08	6.92E+04	7.70E+03	0.00E+00	4.06E+19	1.89E+09	2.18E+08	5.48E+02	1.85E+00	0.00E+00	0.00E+00	6.79E+00	1.38E+18	1.13E+01	0.00E+00	8.50E+08	3.73E+08	2.10E+03	0.00E+00	1.16E+00	0.00E+00	1.13E+01	2.57E+05	1.13E+01	1.24E+01	1.16E+00	0.00E+00	0.00E+00	0.00E+00	2.39E+02
UN05A	3.19E+03	7.93E+01	3.97E+02	7.53E+01	0.00E+00	0.00E+00	1.19E+01	2.38E+08	6.96E+04	7.65E+03	0.00E+00	4.58E+19	1.97E+09	2.54E+08	6.28E+02	1.70E+00	0.00E+00	0.00E+00	7.93E+00	1.54E+18	1.09E+01	0.00E+00	9.55E+08	4.19E+08	2.14E+03	0.00E+00	1.29E+00	0.00E+00	1.29E+01	2.96E+05	1.29E+01	1.41E+01	1.29E+00	0.00E+00	0.00E+00	0.00E+00	3.80E+02
UN06A	4.67E+03	1.00E+00	5.01E+02	9.52E+01	0.00E+00	0.00E+00	1.50E+01	3.00E+08	8.79E+04	9.65E+03	0.00E+00	5.75E+19	2.49E+09	3.21E+08	7.92E+02	2.25E+00	0.00E+00	0.00E+00	1.00E+01	1.94E+18	1.62E+01	0.00E+00	1.20E+07	5.29E+08	2.71E+03	0.00E+00	1.64E+00	0.00E+00	1.62E+01	3.74E+05	1.62E+01	1.78E+01	1.64E+00	0.00E+00	0.00E+00	0.00E+00	3.59E+02
UN07A	-1.32E+02	-2.40E+00	-2.67E+02	-2.38E+00	0.00E+00	0.00E+00	-2.75E+00	-6.09E+04	-2.10E+03	-2.50E+02	0.00E+00	2.15E+20	-2.24E+08	-7.92E+08	-3.45E+02	-3.73E+00	0.00E+00	0.00E+00	-1.57E+01	6.24E+20	-2.51E+01	0.00E+00	-1.08E+07	-2.05E+07	-1.21E+02	0.00E+00	-1.72E+00	0.00E+00	-2.51E+01	-4.36E+05	-2.51E+01	-2.68E+01	-1.72E+00	0.00E+00	0.00E+00	0.00E+00	4.57E+02
UN08A	-1.51E+02	-2.78E+00	-3.08E+02	-2.76E+00	0.00E+00	0.00E+00	-3.60E+00	-9.24E+04	-2.43E+03	-2.89E+02	0.00E+00	2.15E+20	-2.56E+08	-8.08E+08	-3.98E+02	-4.29E+00	0.00E+00	0.00E+00	-1.80E+01	6.24E+20	-2.88E+01	0.00E+00	-1.24E+07	-2.35E+07	-1.36E+02	0.00E+00	-1.97E+00	0.00E+00	-2.88E+01	-5.00E+05	-2.88E+01	-3.08E+01	-1.97E+00	0.00E+00	0.00E+00	0.00E+00	3.74E+02
UN09A	7.02E+03	1.91E+00	7.52E+02	1.43E+00	0.00E+00	0.00E+00	2.25E+01	4.50E+08	1.32E+03	1.45E+02	0.00E+00	8.63E+19	3.74E+09	4.83E+08	1.19E+01	3.59E+00	0.00E+00	0.00E+00	1.50E+01	2.92E+18	2.43E+01	0.00E+00	1.81E+07	7.90E+08	4.07E+03	0.00E+00	2.49E+00	0.00E+00	2.43E+01	5.81E+05	2.43E+01	2.68E+01	2.49E+00	0.00E+00	0.00E+00	0.00E+00	3.20E+02
UN10A	6.00E+03	1.81E+00	8.34E+02	1.73E+00	0.00E+00	0.00E+00	2.47E+01	4.94E+08	1.55E+03	1.71E+02	0.00E+00	9.67E+19	4.12E+09	5.31E+08	1.33E+01	4.45E+00	0.00E+00	0.00E+00	1.66E+01	3.29E+18	2.71E+01	0.00E+00	2.05E+07	8.90E+08	4.74E+03	0.00E+00	2.82E+00	0.00E+00	2.71E+01	6.21E+05	2.71E+01	2.99E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	3.84E+02
UN11A	-2.12E+02	-4.03E+00	-4.39E+02	-3.95E+00	0.00E+00	0.00E+00	-1.23E+01	-1.27E+03	-3.47E+03	-4.13E+02	0.00E+00	0.00E+00	-3.93E+08	-1.25E+07	-5.70E+02	-6.93E+00	0.00E+00	0.00E+00	-2.49E+01	0.00E+00	-4.07E+01	0.00E+00	-1.76E+07	-3.39E+07	-1.94E+02	0.00E+00	-2.90E+00	0.00E+00	-4.07E+01	-8.89E+05	-4.07E+01	-4.29E+01	-2.90E+00	0.00E+00	0.00E+00	0.00E+00	-1.94E+02
UN12A	9.44E+03	2.13E+00	9.93E+02	2.03E+00	0.00E+00	0.00E+00	2.34E+01	5.89E+08	1.83E+03	2.02E+02	0.00E+00	1.16E+18	4.91E+09	6.32E+08	1.57E+01	5.29E+00	0.00E+00	0.00E+00	1.97E+01	3.89E+18	3.22E+01	0.00E+00	2.41E+07	1.06E+07	5.60E+03	0.00E+00	3.36E+00	0.00E+00	3.22E+01	7.40E+05	3.22E+01	3.96E+01	3.36E+00	0.00E+00	0.00E+00	0.00E+00	6.99E+02
UN13A	2.72E+02	4.15E+00	5.88E+02	5.10E+00	0.00E+00	0.00E+00	-1.58E+01	-1.82E+03	-4.44E+03	-5.29E+02	0.00E+00	0.00E+00	-4.51E+04	-1.60E+07	-7.30E+02	-8.06E+00	0.00E+00	0.00E+00	-3.92E+01	0.00E+00	-5.14E+01	0.00E+00	-3.26E+07	-4.17E+07	-2.48E+02	0.00E+00	-3.56E+00	0.00E+00	-5.14E+01	-8.79E+05	-5.14E+01	-5.49E+01	-3.56E+00	0.00E+00	0.00E+00	0.00E+00	-1.33E+02
UN31TN	3.21E+03	4.65E+01	3.48E+02	6.10E+01	0.00E+00	0.00E+00	1.04E+01	2.07E+08	6.01E+04	6.98E+03	0.00E+00	4.06E+19	1.72E+09	2.22E+08	5.49E+02	-2.06E+02	0.00E+00	0.00E+00	6.94E+00	1.35E+18	1.12E+01	0.00E+00	8.31E+08	3.46E+08	1.87E+03	0.00E+00	6.16E+01	0.00E+00	1.12E+01	2.00E+05	1.12E+01	1.18E+01	1.16E+00	0.00E+00	0.00E+00	0.00E+00	3.45E+02
UN41B1	-1.07E+02	-3.29E+02	1.58E+02	-4.87E+02	0.00E+00	0.00E+00	7.97E+00	-1.42E+03	7.07E+03	-1.64E+04	0.00E+00	-1.12E+04	6.58E+11	-1.44E+07	2.49E+02	-6.08E+00	0.00E+00	0.00E+00	5.51E+00	5.16E+02	7.29E+00	0.00E+00	1.02E+07	6.93E+02	2.91E+04	-4.23E+05	-7.88E+00	0.00E+00	7.29E+00	-3.74E+05	7.29E+00	4.91E+01	-7.88E+00	0.00E+00	0.00E+00	0.00E+00	1.70E+02
UN41U1	-1.67E+02	-4.92E+01	-1.20E+03	-4.91E+01	0.00E+00	0.00E+00	-6.15E+00	-1.15E+03	-3.08E+03	-3.67E+02	0.00E+00	1.97E+20	-3.18E+08	-1.13E+07	-4.91E+02	-5.32E+00	0.00E+00	0.00E+00	-2.23E+01	6.02E+20	-3.99E+01	0.00E+00	-1.54E+07	-2.92E+07	-1.74E+02	0.00E+00	-2.44E+00	0.00E+00	-3.99E+01	-6.17E+05	-3.99E+01	-2.88E+01	-2.44E+00	0.00E+00	0.00E+00	0.00E+00	-3.32E+02
UN51TN	-1.89E+02	-3.97E+00	-3.84E+02	-3.53E+00	0.00E+00	0.00E+00	-1.10E+01	-1.15E+03	-3.08E+03	-3.67E+02	0.00E+00	1.97E+20	-3.18E+08	-1.13E+07	-4.91E+02	-5.32E+00	0.00E+00	0.00E+00	-2.23E+01	6.02E+20	-3.99E+01	0.00E+00	-1.54E+07	-2.92E+07	-1.74E+02	0.00E+00	-2.44E+00	0.00E+00	-3.99E+01	-6.17E+05	-3.99E+01	-2.88E+01	-2.44E+00	0.00E+00	0.00E+00	0.00E+00	-3.32E+02
UN61B3	8.00E+03	1.81E+00	8.34E+02	1.73E+00	0.00E+00	0.00E+00	2.47E+01	4.94E+08	1.55E+03	1.71E+02	0.00E+00	9.67E+19	4.12E+09	5.31E+08	1.33E+01	4.45E+00	0.00E+00	0.00E+00	1.66E+01	3.29E+18	2.71E+01	0.00E+00	2.05E+07	8.90E+08	4.74E+03	0.00E+00	2.82E+00	0.00E+00	2.71E+01	6.21E+05	2.71E+01	2.99E+01	2.82E+00	0.00E+00	0.00E+00	0.00E+00	3.84E+02
UN61U3	2.01E+02	-1.87E+00	3.96E+02	-1.87E+00	0.00E+00	0.00E+00	2.90E+00	-1.98E+03	-1.37E+03	-1.75E+02	0.00E+00	3.44E+19	-1.34E+08	-2.14E+07	3.10E+02	-6.49E+00	0.00E+00	0.00E+00	-7.27E+00	1.24E+18	-4.57E+00	0.00E+00	1.69E+08	-1.39E+07	-7.58E+03	0.00E+00	9.59E+00	0.00E+00	-4.57E+00	6.47E+05	-4.57E+00	-1.42E+01	-9.59E+00	0.00E+00	0.00E+00	0.00E+00	-3.49E+02
UN71B3	-3.09E+02	-3.77E+00	-2.33E+02	-3.74E+00	0.00E+00	0.00E+00	-1.27E+01	-2.56E+03	-3.14E+03	-3.84E+02	0.00E+00	1.94E+19	3.97E+08	-2.60E+07	-1.62E+02	-7.44E+00	0.00E+00	0.00E+00	-2.12E+01	7.62E+18	-2.69E+01	0.00E+00	6.41E+08	2.98E+07	-1.69E+02	0.00E+00	-1.22E+01	0.00E+00	-2.69E+01	-9.49E+05	-2.69E+01	-3.91E+01	-1.22E+01	0.00E+00	0.00E+00	0.00E+00	-3.12E+02
UN71B4	-1.35E+02	-3.32E+00	-4.52E+02	-3.44E+00	0.00E+00	0.00E+00	-3.96E+00	-1.05E+03	-1.12E+03	-3.01E+02	0.00E+00	-3.07E+04	-2.90E+08	-8.60E+08	-1.23E+01	-2.98E+00	0.00E+00	0.00E+00	-1.73E+01	-1.42E+01	-3.89E+01	0.00E+00	-6.39E+08	-2.49E+07	-1.46E+02	-1.17E+04	-5.57E+00	0.00E+00	-3.89E+01	-5.18E+05	-3.89E+01	-4.44E+01	-5.57E+00	0.00E+00	0.00E+00	0.00E+00	-7.50E+02
UN81B3	1.15E+02	1.46E+00	9.42E+02	1.36E+00	0.00E+00	0.00E+00	2.93E+01	4.93E+08	3.03E+03	2.29E+02	0.00E+00	1.19E+18	4.95E+09	6.30E+08	1.67E+01	7.76E+00	0.00E+00	0.00E+00	1.82E+01	4.14E+18	3.44E+01	0.00E+00	2.67E+07	7.64E+08	6.34E+03	0.00E+00	8.89E+00	0.00E+00	3.44E+01	9.44E+05	3.44E+01	2.97E+01	8.89E+00	0.00E+00	0.00E+00	0.00E+00	3.29E+02
UN81B4	-4.34E+03	-5.48E+00	-1.10E+01	-5.37E+00	0.00E+00	0.00E+00	-8.87E+01	-3.38E+03	-4.57E+03	-5.52E+02	0.00E+00	-3.07E+04	-3.96E+08	-3.77E+07	-6.69E+01	-8.44E+00	0.00E+00	0.00E+00	-3.74E+01	-1.42E+01	-5.54E+01	0.00E+00	-1.76E+07	-3.99E+07	-2.26E+02	-1.17E+04	-1.49E+01	0.00E+00	-5.54E+01	-2.80E+05	-5.54E+01	-7.00E+01	-1.49E+01	0.00E+00	0.00E+00	0.00E+00	-1.16E+02
US31A3R1	1.96E+03	3.44E+01	7.51E+03	3.36E+01	0.00E+00	0.00E+00	8.44E+01	1.96E+08	3.96E+04	3.84E+03	0.00E+00	1.38E+19	1.85E+10	2.05E+09	2.93E+02	4.33E+01	0.00E+00	0.00E+00	1.95E+00	5.32E+18	5.51E+00	0.00E+00	4.66E+08	1.69E+08	1.08E+03	0.00E+00	2.60E+01	0.00E+00	5.51E+00	1.71E+05	5.51E+00	5.77E+00	2.60E+01	0.00E+00	0.00E+00	0.00E+00	3.33E+01
UT12PN	2.03E+03	4.36E+01	2.17E+02	4.18E+01	0.00E+00	0.00E+00	4.64E+00	1.30E+08	3.81E+04	4.19E+03	0.00E+00	2.49E+19	9.74E+09	1.30E+08	3.43E+02	1.19E+00	0.00E+00	0.00E+00	4.33E+00	6.41E+18	7.02E+00	0.00E+00	5.21E+08	2.39E+08	1												