

Product Environmental Profile

Poly. enc., Pedro, pl. d. 500x430x210mm



Company information

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

References covered

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

Methodology

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

Reference product

Reference product identification
B04603

Use scenario based on :
PSR product Category : PSR-0005-ed3.1-2023 12 08
3.12. UNEQUIPPED ENCLOSURES AND CABINETS

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 500 x 430 x 210mm, with rated current 125A, while protecting them against mechanical impacts (IK10) and the penetration of solid objects and liquids (IP66), 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	%
PC	270.00	4.4%	Brass	36.26	0.6%	Calcium Carbonate	1962.40	32.0%
PE-LD	95.94	1.6%	Stainless steel	20.00	0.3%	Bauxite	1717.10	28.0%
Polyether Polyols	30.00	0.5%	Steel	4.20	<0.1%	Glass	1266.45	20.6%
PA6	26.16	0.4%	Silicon	0.64	<0.1%	Cardboard	530.99	8.6%
SBR	9.91	0.2%	Zinc	0.05	<0.1%	Wood	146.24	2.4%
PE-HD	1.22	<0.1%				Other	24.36	0.4%
Total mass of reference product with raw material packaging :			6141.92 g					
Total mass of reference product (Product + packaging)			5849.4 g					

System Boundaries

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

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

Manufacturing

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

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

Distribution

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

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

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

Installation

Installation processes

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

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

Installation elements (non delivered with the product)

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

Use

Power loss / load dependent			
Active mode		Inactive mode	
Watt	% of time	Watt	% of time
0	100.0%	0	0.0%

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

This corresponds to a total energy consumption of 0.00 kWh for the use span of 20 years.

Energy model of the use phase :

Europe

Consumables and maintenance :

None

End of life

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

The recycling potential of the product is: 6%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

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

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

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

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

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

Environmental impact indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Acidification (PEF-AP)	mole H+ eq.	3.89E-02	6.47E-03	1.31E-03	0.00E+00	4.95E-03	5.16E-02	3.03E-03
Climate change - Total (PEF-GWP)	kg CO2 eq.	8.30E+00	1.02E+00	5.84E-01	0.00E+00	5.14E+00	1.51E+01	5.27E-01
Climate change-Biogenic (PEF-GWPb)	kg CO2 eq.	-6.34E-01	0.00E+00	1.09E-01	0.00E+00	2.87E+00	2.34E+00	9.49E-03
Climate change-Fossil (PEF-GWpF)	kg CO2 eq.	8.94E+00	1.02E+00	4.75E-01	0.00E+00	2.28E+00	1.27E+01	5.18E-01
Climate change-Land use and land use change (PEF-GWPlu)	kg CO2 eq.	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00
Ecotoxicity, freshwater (PEF-CTUe)	CTUe	7.56E+02	6.69E-01	6.76E+00	0.00E+00	2.28E+00	7.66E+02	1.35E+00
EF-particulate Matter (PEF-PM)	Incidence of diseases	2.55E-07	5.26E-08	7.82E-09	0.00E+00	2.40E-08	3.39E-07	2.16E-08
Eutrophication, freshwater (PEF-Epf)	kg P eq.	3.58E-05	3.83E-07	6.46E-06	0.00E+00	5.43E-06	4.81E-05	-9.91E-06
Eutrophication, marine (PEF-Epm)	kg N eq.	7.42E-03	3.03E-03	6.23E-04	0.00E+00	2.22E-03	1.33E-02	1.18E-03
Eutrophication, terrestrial (PEF-Ept)	mole of N eq.	8.19E-02	3.33E-02	3.88E-03	0.00E+00	1.74E-02	1.36E-01	4.97E-03
Human toxicity, cancer (PEF-CTUh-c)	CTUh	5.88E-07	1.79E-11	5.17E-08	0.00E+00	3.85E-10	6.40E-07	-1.60E-10
Human toxicity, non-cancer (PEF-CTUh-nc)	CTUh	1.09E-07	3.47E-10	1.51E-09	0.00E+00	2.66E-08	1.37E-07	1.02E-08
Ionising radiation, human health (PEF-IR)	kg Bq U235 eq.	2.41E+01	2.49E-03	7.08E-02	0.00E+00	3.36E-02	2.42E+01	2.05E-02
Land use (PEF-LU)	No dimension	2.84E+00	0.00E+00	1.25E-03	0.00E+00	9.41E-01	3.78E+00	8.15E-01
Ozone depletion (PEF-ODP)	kg CFC-11 eq.	1.34E-06	1.57E-09	6.02E-09	0.00E+00	6.05E-08	1.41E-06	4.87E-08
Photochemical ozone formation - human health (PEF-POCP)	kg of NMVOC eq.	2.61E-02	8.39E-03	9.06E-04	0.00E+00	4.05E-03	3.94E-02	1.38E-03
Resource use, fossils (PEF-ADPf)	MJ	7.39E+04	1.42E+01	4.47E+00	0.00E+00	6.93E+00	7.39E+04	5.70E+00
Resource use, minerals and metals (PEF-ADPe)	kg Sb eq	5.52E-05	4.02E-08	1.10E-08	0.00E+00	-3.83E-05	1.69E-05	1.89E-06
Water use (PEF-WU)	m3 eq.	2.18E+00	3.88E-03	3.55E-02	0.00E+00	7.91E+01	8.13E+01	5.87E+01

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	5.09E-02	9.03E-05	8.26E-04	0.00E+00	2.18E+00	2.23E+00	1.66E+00
Total primary energy	MJ	7.39E+04	1.43E+01	5.06E+00	0.00E+00	6.92E+00	7.39E+04	6.04E+00
Total non renewable primary energy	MJ	7.39E+04	1.42E+01	4.47E+00	0.00E+00	6.93E+00	7.39E+04	5.70E+00
Total renewable primary energy	MJ	1.92E+01	1.90E-02	5.96E-01	0.00E+00	-1.20E-02	1.98E+01	3.39E-01
Non renewable primary energy used as energy	MJ	7.38E+04	1.42E+01	4.47E+00	0.00E+00	6.93E+00	7.39E+04	5.70E+00
Non renewable primary energy used as raw material	MJ	1.61E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E+01	0.00E+00
Use of non renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Renewable primary energy used as energy	MJ	6.79E+00	1.90E-02	5.96E-01	0.00E+00	-1.20E-02	7.39E+00	3.39E-01
Renewable primary energy used as raw material	MJ	1.24E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E+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 material	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Waste category indicators

Indicators	Unit	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End Of Life C1-C4	GLOBAL	Module D
Hazardous waste disposed	kg	6.30E+00	0.00E+00	1.14E-02	0.00E+00	-3.55E-01	5.96E+00	1.36E-19
Non hazardous waste disposed	kg	4.39E+00	3.59E-02	1.95E-01	0.00E+00	4.68E+00	9.29E+00	5.21E-19
Radioactive waste disposed	kg	1.15E-03	2.55E-05	2.33E-05	0.00E+00	1.13E-04	1.31E-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	4.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-02	0.00E+00
Materials for energy recovery	kg	6.67E-02	0.00E+00	4.01E-02	0.00E+00	0.00E+00	1.07E-01	0.00E+00
Materials for recycling	kg	6.33E-02	0.00E+00	1.77E-03	0.00E+00	0.00E+00	6.51E-02	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	5.31E-01	1.33E-02	1.46E-01	6.91E-01
Biogenic carbon content (declared unit)	kg of C	1.49E-01	5.04E-03	5.78E-02	2.12E-01
Biogenic carbon content (functional unit)	kg of C	1.49E-01	5.04E-03	5.78E-02	2.12E-01
Source		ADEME	APESA/RECORD	EN 16485	

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

Extrapolation rules

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

Verification

Registration N°: HAGE-01435-V01.01-EN	Drafting Rules	PEP-PCR-ed4-2021 09 06
	Supplemented by	PSR-0005-ed3.1-2023 12 08
Verifier accreditation N°: VH64	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 11-2025	Validity period:	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006		
Internal ● External ○		
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)		
PEPs are compliant with XP C08-100-1:2016 or EN 50693:2019		
The elements of the present PEP cannot be compared with elements from another program.		
Document in compliance with ISO 14025 : 2006 « Environmental labels and declarations. Type III environmental declarations »		



Nota :

The picture has no contractual value.

All numerical values indicated in this document may vary and depend of many factors such as the tolerance related to materials, the usage and environment conditions of the products, installation characteristics ... , real values for a product in a concrete application may therefore change.

The usage time mentioned in this document is an average duration chosen for the need of the calculations. This value cannot be assimilated to the minimum, average or real life time.

The responsibility of the company, issuing this document, can never be engaged if differences would be noticed between the values given by this document and real ones, whatever the causes and/or consequences would be.

Appendix

		Acidification (PEF-AP) - [moles H+ eq.]	Climate change - Total (PEF-GWP) - [kg CO2 eq.]	Climate change-Biogenic (PEF-GWBP) - [kg CO2 eq.]	Climate change-Fossil (PEF-GWPF) - [kg CO2 eq.]	Climate change-Land use and land use change (PEF-GWPLU) - [kg CO2 eq.]	Components for re-use - [kg]	Ecotoxicity, freshwater (PEF-CTUe) - [CTUe]	Eutrophication, freshwater (PEF-Epf) - [kg P eq.]	Eutrophication, marine (PEF-Epm) - [kg N eq.]	Eutrophication, terrestrial (PEF-Ept) - [mole of N eq.]	Exported energy - [MJ]	Hazardous waste disposed - [kg]	Human toxicity, cancer (PEF-CTUhc) - [CTUhc]	Human toxicity, non-cancer (PEF-CTUhcnc) - [CTUhcnc]	Ionising radiation, human health (PEF-IR) - [kg Bq U235 eq.]	Land use (PEF-LU)	Materials for energy recovery - [kg]	Materials for recycling - [kg]	Net use of fresh water - [m3]	Non hazardous waste disposed - [kg]	Non renewable primary energy used as energy - [MJ]	Non renewable primary energy used as raw material - [MJ]	Ozone depletion (PEF-ODP) - [kg CFC-11 eq.]	EF-particulate Matter (PEF-PM) - [Incidence of diseases]	Photochemical ozone formation - human health (PEF-POCP) - [kg of NMVOC eq.]	Radioactive waste disposed - [kg]	Renewable primary energy used as energy - [MJ]	Renewable primary energy used as raw material - [MJ]	Resource use, fossils (PEF-ADPP) - [MJ]	Resource use, minerals and metals (PEF-ADM) - [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.]
	B04603	7.78E-02	1.66E-01	-1.27E+00	1.79E-01	7.44E-04	0.00E+00	1.51E+03	7.18E-05	1.48E-02	1.64E-01	9.89E-02	1.26E-01	1.18E-08	2.18E-01	4.82E-01	5.88E+00	1.33E-01	1.27E-01	1.02E-01	8.77E+00	1.48E+00	3.22E+01	2.69E-04	5.00E-07	5.21E-02	2.29E-03	1.38E+01	2.48E+01	1.48E+00	1.10E-04	1.48E+00	1.48E+00	3.84E+01	0.00E+00	0.00E+00	0.00E+00	4.37E+00
	B04581	3.00E-02	6.34E-01	8.89E-03	6.39E-02	2.73E-08	0.00E+00	3.39E-01	5.15E-08	4.08E-03	4.49E-02	2.14E-02	1.95E-01	2.38E-08	8.04E-04	1.78E+00	2.82E-01	1.23E-02	1.82E-01	9.93E-01	1.32E+02	9.81E+00	6.32E-08	1.97E-07	1.78E-02	3.42E-04	1.84E+00	1.63E+00	1.34E+02	2.40E+00	1.97E+02	1.48E+02	2.10E+00	0.00E+00	0.00E+00	0.00E+00	3.46E+00	
	B04582	3.04E-02	6.39E-01	7.47E-03	6.51E+00	2.54E-08	0.00E+00	3.39E-01	5.49E-08	5.32E-03	5.91E-02	4.71E-02	1.95E-01	2.45E-08	4.11E-08	1.79E+00	2.83E-01	1.48E-02	1.94E-01	9.97E-02	1.02E+00	1.42E+02	8.55E+00	6.41E-08	1.69E-07	2.01E-02	3.39E-04	1.73E+00	1.15E+00	1.59E+02	2.86E+00	1.83E+02	1.93E+02	2.24E+00	0.00E+00	0.00E+00	0.00E+00	3.47E+00
	B04583	3.88E-02	1.08E+01	1.28E-02	1.10E+01	5.04E-08	0.00E+00	4.31E-01	6.02E-08	5.81E-03	6.54E-02	4.59E-02	1.80E-01	3.63E-08	8.53E-08	1.79E+00	1.90E-01	2.43E-02	4.81E-01	9.38E-02	1.42E+00	7.79E+02	7.34E+00	6.74E-08	2.01E-07	2.24E-02	4.01E-04	2.83E+00	1.69E+00	7.67E+02	1.22E-04	7.57E+02	7.69E+02	3.39E+00	0.00E+00	0.00E+00	0.00E+00	4.86E+00
	B04584	3.85E-02	1.33E+01	1.17E-02	1.52E+01	1.24E-07	0.00E+00	5.69E-01	1.05E-08	6.04E-03	7.09E-02	1.02E-02	1.68E-01	4.61E-08	8.95E-08	1.92E+00	1.95E-01	3.08E-02	6.26E-01	1.09E-01	1.59E+00	1.10E+03	7.48E+00	7.39E-08	2.06E-07	3.25E-02	3.92E-04	3.02E+00	2.84E+00	1.17E+03	1.70E-04	1.17E+03	1.06E+03	8.84E+00	0.00E+00	0.00E+00	0.00E+00	5.02E+00
	B04585	5.39E-02	1.21E-02	2.12E-02	1.94E+01	1.81E-07	0.00E+00	5.66E-01	1.06E-08	8.73E-03	9.81E-02	1.00E-02	1.68E-01	1.14E-07	1.84E+00	1.86E-01	3.51E-02	6.73E-01	1.20E-01	1.57E+00	1.14E+03	7.86E+00	7.39E-08	1.94E-07	3.42E-02	4.02E-04	3.17E+00	2.68E+00	1.13E+03	1.76E-04	1.14E+03	1.11E+03	8.86E+00	0.00E+00	0.00E+00	0.00E+00	5.52E+00	
	B04586	1.92E-02	4.60E+00	1.47E-02	3.94E+00	1.79E-08	0.00E+00	2.35E-02	7.91E-08	9.23E-03	3.59E-02	2.85E-02	1.09E+00	2.15E-07	2.97E-08	2.12E+00	5.17E-01	8.92E-02	1.84E-01	3.47E-02	6.13E-01	1.34E+04	9.18E+00	1.11E-07	8.92E-08	1.1	3.25E-04	3.92E+00	2.84E+00	1.17E+03	2.86E+00	2.05E-04	1.47E+04	6.37E+00	0.00E+00	0.00E+00	0.00E+00	1.93E+00
	B04587	4.74E-02	8.18E-02	2.20E-02	8.94E+00	1.81E-08	0.00E+00	4.73E-02	1.41E-08	5.21E-03	5.48E-02	4.28E-02	1.48E+00	2.44E-07	4.44E-08	2.47E+00	5.41E-01	1.13E-02	1.74E-01	8.44E-02	1.10E+00	1.71E+04	1.20E+01	3.43E-07	1.67E-07	1.78E-02	3.89E-04	4.66E+00	2.44E+00	1.73E+04	3.21E+00	2.02E-04	1.49E+04	1.73E+00	0.00E+00	0.00E+00	0.00E+00	3.78E+00
	B04588	4.92E-02	8.20E-02	1.17E-02	9.89E+00	1.82E-08	0.00E+00	4.91E-02	1.40E-08	6.93E-03	6.89E-02	8.91E-02	2.00E+00	2.54E-07	4.83E-08	2.71E+00	1.09E+00	1.72E-02	2.44E-01	8.78E-02	1.08E+00	1.80E+04	1.29E+01	3.79E-07	1.79E-07	2.17E-02	3.78E-04	4.90E+00	2.87E+00	1.99E+04	3.81E+00	2.22E-04	1.99E+04	1.73E+00	0.00E+00	0.00E+00	0.00E+00	3.81E+00
	B04589	5.15E-02	9.74E-02	1.93E-02	1.04E+01	1.86E-08	0.00E+00	4.92E-02	1.42E-08	6.52E-03	6.78E-02	8.80E-02	2.38E+00	2.95E-07	4.98E-08	2.92E+00	1.33E+00	2.12E-02	4.03E-01	1.05E-01	1.08E+00	2.14E+04	1.29E+01	4.40E-07	2.16E-07	2.17E-02	4.48E-04	4.97E+00	3.02E+00	2.14E+04	7.38E+00	2.02E-04	1.99E+04	1.73E+00	0.00E+00	0.00E+00	0.00E+00	4.37E+00
	B04590	5.15E-02	9.87E+00	-1.91E-01	1.03E+01	1.91E-08	0.00E+00	4.92E-02	1.10E-08	6.36E-03	6.73E-02	8.80E-02	2.38E+00	3.13E-07	9.17E-08	9.97E+00	1.49E+00	2.89E-02	4.23E-01	1.05E-01	1.10E+00	2.90E+04	1.39E+01	4.94E-07	1.90E-07	2.23E-02	4.13E-04	5.10E+00	3.91E+00	2.93E+04	7.88E+00	2.89E-04	2.19E+04	8.43E+00	0.00E+00	0.00E+00	0.00E+00	4.36E+00
	B04591	8.83E-02	1.32E+01	-1.48E-01	1.31E+01	3.63E-03	0.00E+00	5.98E-02	1.72E-08	8.28E-03	8.97E-02	7.11E-02	2.56E+00	3.47E-07	1.22E-07	6.37E+00	1.81E+00	3.66E-02	3.38E-01	1.18E-01	1.71E+00	9.97E+04	1.48E+01	6.38E-07	2.99E-07	2.97E-02	4.30E-04	6.06E+00	4.39E+00	9.74E+04	8.73E+00	5.68E+04	9.82E+04	1.00E+01	0.00E+00	0.00E+00	0.00E+00	4.98E+00
	B04593	1.32E-02	4.04E+00	2.21E-02	3.96E+00	1.79E-08	0.00E+00	2.29E-02	4.20E-08	3.23E-03	3.53E-02	1.71E-02	1.07E+00	2.12E-07	2.97E-08	2.02E+00	4.73E-01	8.21E-03	1.63E-01	3.49E-02	4.69E-01	1.54E+04	7.31E+00	1.10E-07	8.89E-08	1.13E-02	2.89E-04	1.28E+00	9.36E-01	1.78E+04	2.27E+00	2.03E-04	1.41E+04	1.84E+00	0.00E+00	0.00E+00	0.00E+00	1.92E+00
	B04594	4.84E-02	8.30E-02	2.97E-02	8.88E+00	7.69E-08	0.00E+00	4.59E-02	1.00E-08	9.24E-03	9.54E-02	4.14E-02	1.48E+00	2.32E-07	4.44E-08	2.49E+00	8.01E-01	1.13E-02	2.99E-01	1.97E-01	1.89E+00	1.71E+04	1.29E+01	3.41E-07	1.79E-07	1.87E-02	3.97E-04	3.17E+00	1.18E+00	1.78E+04	3.21E+00	3.02E-04	1.49E+04	2.38E+00	0.00E+00	0.00E+00	0.00E+00	5.98E+00
	B04595	4.96E-02	8.29E-02	2.93E-02	9.03E+00	7.69E-08	0.00E+00	4.59E-02	1.00E-08	9.11E-03	9.37E-02	4.07E-02	1.48E+00	2.32E-07	4.44E-08	2.44E+00	8.08E-01	1.58E-02	8.62E-01	1.98E-01	1.72E+04	1.17E+01	3.42E-07	1.77E-07	1.87E-02	3.92E-04	3.99E+00	1.34E+00	1.73E+04	3.30E+00	3.03E-04	1.50E+04	2.43E+00	0.00E+00	0.00E+00	0.00E+00	5.98E+00	
	B04596	5.15E-02	1.09E+01	2.13E-02	1.08E+01	7.69E-03	0.00E+00	4.80E-02	1.29E-08	6.36E-03	6.89E-02	8.74E-02	1.48E+00	2.33E-07	8.99E-08	2.93E+00	6.49E-01	2.09E-02	3.77E-01	1.32E-01	1.28E+00	1.73E+04	1.20E+01	3.42E-07	1.97E-07	2.21E-02	4.97E-04	7.27E+00	1.74E+00	1.77E+04	7.10E+00	2.03E-04	1.93E+04	6.58E+00	0.00E+00	0.00E+00	0.00E+00	6.21E+00
	B04597	5.18E-02	1.08E+01	2.78E-02	1.06E+01	7.79E-03	0.00E+00	3.52E-02	1.35E-08	6.19E-03	6.58E-02	5.99E-02	1.33E+00	2.40E-07	9.18E-08	2.92E+00	5.90E-01	2.88E-02	4.76E-01	1.32E-01	1.98E+00	1.73E+04	1.11E+01	2.47E-07	3.99E-07	2.29E-02	4.09E-04	7.31E+00	2.32E+00	1.79E+04	8.54E+00	2.08E-04	1.94E+04	8.60E+00	0.00E+00	0.00E+00	0.00E+00	6.19E+00
	B04598	5.77E-02	1.37E+01	2.22E-02	1.33E+01	9.14E-03	0.00E+00	5.15E-02	1.67E-08	8.15E-03	8.86E-02	3.39E-02	1.63E+00	2.68E-07	1.22E-07	3.15E+00	7.94E-01	3.49E-02	5.59E-01	1.44E-01	1.84E+00	2.84E+04	1.32E+01	4.37E-07	3.09E-07	3.94E-02	4.69E-04	8.94E+00	3.10E+00	2.82E+04	8.89E-03	2.94E-04	2.98E+04	7.05E+00	0.00E+00	0.00E+00	0.00E+00	6.65E+00
	B04599	6.84E-02	1.57E+01	8.49E-02	1.67E+01	2.99E-04	0.00E+00	5.69E-02	3.04E-02	1.04E-02	1.13E-01	2.10E-02	2.99E+00	3.22E-07	1.81E-07	4.99E+00	3.52E+00	7.65E-02	5.91E-01	1.72E-01	6.79E+00	1.16E+05	1.32E+01	1.29E-08	3.97E-07	3.95E-02	2.41E-03	1.08E+01	7.39E+00	1.16E+01	1.08E-04	1.10E+01	1.12E+02	1.20E+01	0.00E+00	0.00E+00	0.00E+00	7.72E+00
	B04601	4.11E-02	6.94E+00	-6.73E-01	6.90E+00	0.00E+00	0.00E+00	6.86E-02	2.87E-08	6.41E-03	7.18E-02	4.31E-02	1.02E-01	1.05E-08	1.81E-07	4.26E-01	1.98E+00	5.84E-02	8.86E-02	4.78E-02	3.44E-08	8.89E+04	7.69E+00	1.27E-08	2.74E-07	2.72E-02	7.31E-04	8.94E+00	1.07E+01	8.49E+04	1.05E-04	4.84E-04	1.67E+01	0.00E+00	0.00E+00	0.00E+00	5.90E+00	
	B04602	5.95E-02	1.27E+01	-8.51E-01	1.30E+01	6.42E-04	0.00E+00	1.48E-03	8.81E-05	1.08E-02	1.22E-01	8.86E-02	1.12E+01	1.11E-08	1.97E-07	4.84E+01	4.79E+00	9.23E-02	8.83E-02	7.77E-02	6.84E+00	1.28E+05	2.65E+01	1.91E+04	4.94E-07	3.87E-02	1.90E-03	1.38E+01	1.70E+01	1.29E+05	1.11E-04	1.28E+05	1.29E+05	3.07E+01	0.00E+00	0.00E+00	0.00E+00	3.34E+00
	B04604	8.88E-02	1.97E+01	-1.24E+00	2.09E+01	9.92E-04	0.00E+00	1.53E-03	7.93E-05	1.71E-02	1.89E-01	1.15E-01	1.34E+01	1.19E-08	2.39E-07	4.92E+01	9.89E+00	1.56E-01	1.46E-01	1.17E-01	8.41E+00	1.74E+05	3.99E+01	3.16E-08	1.74E-07	6.05E-02	2.79E-03	1.84E+01	2.65E+01	1.74E+05	1.10E-04	1.74E+05	1.74E+05	4.29E+01	0.00E+00	0.00E+00	0.00E+00	6.19E+00
	B04605	5.61E-02	1.37E+01	-4.79E-01	1.51E+01	8.73E-04	0.00E+00	7.99E-02	4.99E-04	1.27E-02	1.33E-01	5.13E-02	7.92E+00	6.99E-07	3.42E-07	4.18E+01	4.29E+00	1.24E-01	1.06E-01	1.10E-01	8.14E+00	9.92E+04	2.70E+01	2.07E+08	4.54E-07	4.27E-02	4.93E-03	6.60E+00	1.64E+01	9.99E+04	6.71E-03	9.88E+04	9.97E+04	2.59E+01	0.00E+00	0.00E+00	0.00E+00	6.19E+00
	B04606	1.93E-01	3.26E+01	1.51E-03	4.25E+01	1.99E-03	0.00E+00	1.79E+00	1.95E-04	1.90E-02	3.39E-01	2.94E-01	2.34E+00	3.79E-07	1.98E-08	3.79E+01	1.12E+01	3.44E-01	1.95E-01	2.17E-01	2.20E+03	3.29E+0																

	B04727	1.002+0.433E+01	1.626E+01	1.362E+01	1.39E+01	1.116E+01	0.000E+00	2.94E+01	1.75E+04	3.22E+02	3.63E+01	1.30E+01	3.01E+01	1.98E+06	5.21E+07	5.72E+01	8.00E+00	3.37E+01	8.10E+01	4.88E+01	2.00E+01	3.00E+05	7.32E+01	6.62E+06	1.34E+09	1.20E+01	8.21E+03	1.57E+01	7.84E+01	2.74E+05	2.84E+04	2.93E+05	2.75E+05	9.00E+01	0.00E+00	0.00E+00	0.00E+00	1.50E+01
	B04741	7.73E+01	1.87E+06	-5.38E+03	1.90E+00	8.43E+07	0.00E+00	1.12E+02	4.22E+08	1.17E+03	1.40E+02	1.04E+03	1.69E+01	2.10E+08	1.47E+08	1.84E+00	1.24E+01	2.22E+03	3.27E+02	9.78E+03	3.43E+01	5.87E+03	2.54E+02	4.02E+08	4.00E+08	5.04E+02	2.16E+04	1.82E+00	3.27E+01	6.30E+03	4.94E+08	7.77E+03	8.86E+03	2.15E+00	0.00E+00	0.00E+00	0.00E+00	4.71E+01
	B04742	7.73E+01	1.87E+06	-5.38E+03	1.90E+00	8.43E+07	0.00E+00	1.12E+02	4.22E+08	1.17E+03	1.40E+02	1.04E+03	1.69E+01	2.10E+08	1.47E+08	1.84E+00	1.24E+01	2.22E+03	3.27E+02	9.78E+03	3.43E+01	5.87E+03	2.54E+02	4.02E+08	4.00E+08	5.04E+02	2.16E+04	1.82E+00	3.27E+01	6.30E+03	4.94E+08	7.77E+03	8.86E+03	2.15E+00	0.00E+00	0.00E+00	0.00E+00	4.71E+01
	B04743	7.73E+01	1.87E+06	-5.38E+03	1.90E+00	8.43E+07	0.00E+00	1.12E+02	4.22E+08	1.17E+03	1.40E+02	1.04E+03	1.69E+01	2.10E+08	1.47E+08	1.84E+00	1.24E+01	2.22E+03	3.27E+02	9.78E+03	3.43E+01	5.87E+03	2.54E+02	4.02E+08	4.00E+08	5.04E+02	2.16E+04	1.82E+00	3.27E+01	6.30E+03	4.94E+08	7.77E+03	8.86E+03	2.15E+00	0.00E+00	0.00E+00	0.00E+00	4.71E+01
	B04744	7.73E+01	1.87E+06	-5.38E+03	1.90E+00	8.43E+07	0.00E+00	1.12E+02	4.22E+08	1.17E+03	1.40E+02	1.04E+03	1.69E+01	2.10E+08	1.47E+08	1.84E+00	1.24E+01	2.22E+03	3.27E+02	9.78E+03	3.43E+01	5.87E+03	2.54E+02	4.02E+08	4.00E+08	5.04E+02	2.16E+04	1.82E+00	3.27E+01	6.30E+03	4.94E+08	7.77E+03	8.86E+03	2.15E+00	0.00E+00	0.00E+00	0.00E+00	4.71E+01
	B04745	7.73E+01	1.87E+06	-5.38E+03	1.90E+00	8.43E+07	0.00E+00	1.12E+02	4.22E+08	1.17E+03	1.40E+02	1.04E+03	1.69E+01	2.10E+08	1.47E+08	1.84E+00	1.24E+01	2.22E+03	3.27E+02	9.78E+03	3.43E+01	5.87E+03	2.54E+02	4.02E+08	4.00E+08	5.04E+02	2.16E+04	1.82E+00	3.27E+01	6.30E+03	4.94E+08	7.77E+03	8.86E+03	2.15E+00	0.00E+00	0.00E+00	0.00E+00	4.71E+01
	B04760	1.21E+02	3.39E+09	-1.52E+02	3.51E+00	1.34E+09	0.00E+00	2.27E+02	6.78E+08	3.39E+03	3.72E+02	6.77E+03	2.03E+01	1.27E+08	2.16E+08	1.94E+00	1.31E+01	7.96E+03	8.89E+02	1.78E+02	6.00E+01	1.15E+02	8.37E+00	1.33E+07	8.79E+08	1.12E+02	3.51E+04	2.03E+00	9.01E+01	1.28E+02	6.22E+08	1.26E+02	1.20E+02	3.61E+00	0.00E+00	0.00E+00	0.00E+00	7.94E+01
	B04761	1.80E+02	4.51E+09	-2.20E+02	4.70E+00	1.80E+09	0.00E+00	4.87E+02	9.07E+08	4.57E+03	5.27E+02	8.80E+03	4.61E+01	1.25E+08	2.55E+08	2.00E+00	1.27E+01	1.07E+02	7.30E+02	1.59E+02	9.83E+01	1.18E+02	8.83E+00	2.78E+07	1.10E+07	1.40E+02	4.52E+04	2.00E+00	1.02E+00	1.25E+02	5.72E+08	1.28E+02	1.23E+02	3.29E+00	0.00E+00	0.00E+00	0.00E+00	8.37E+01
	B04762	2.27E+02	4.70E+09	-2.35E+02	4.94E+00	1.93E+09	0.00E+00	4.92E+02	1.09E+09	5.16E+03	5.82E+02	9.73E+03	4.71E+01	1.42E+08	2.76E+08	2.00E+00	1.63E+01	1.39E+02	1.09E+01	2.43E+02	1.12E+00	5.27E+02	9.48E+00	2.89E+07	1.37E+07	1.82E+02	4.80E+04	2.59E+00	1.33E+00	9.84E+02	5.40E+08	8.84E+02	9.57E+02	5.99E+00	0.00E+00	0.00E+00	0.00E+00	9.39E+01
	B04764	1.21E+02	3.39E+09	-1.52E+02	3.51E+00	1.34E+09	0.00E+00	2.27E+02	6.78E+08	3.39E+03	3.72E+02	6.77E+03	2.03E+01	1.27E+08	2.16E+08	1.94E+00	1.31E+01	7.96E+03	8.89E+02	1.78E+02	6.00E+01	1.15E+02	8.37E+00	1.33E+07	8.79E+08	1.12E+02	3.51E+04	2.03E+00	9.01E+01	1.28E+02	6.22E+08	1.26E+02	1.20E+02	3.61E+00	0.00E+00	0.00E+00	0.00E+00	1.21E+01
	B04765	2.27E+02	4.70E+09	-2.35E+02	4.94E+00	1.93E+09	0.00E+00	4.92E+02	1.09E+09	5.16E+03	5.82E+02	9.73E+03	4.71E+01	1.42E+08	2.76E+08	2.00E+00	1.63E+01	1.39E+02	1.09E+01	2.43E+02	1.12E+00	5.27E+02	9.48E+00	2.89E+07	1.37E+07	1.82E+02	4.80E+04	2.59E+00	1.33E+00	9.84E+02	5.40E+08	8.84E+02	9.57E+02	5.99E+00	0.00E+00	0.00E+00	0.00E+00	1.21E+01
	B04771	1.09E+02	2.68E+09	-4.57E+02	2.98E+00	3.21E+09	0.00E+00	3.33E+01	4.37E+08	3.07E+03	3.40E+02	2.37E+03	1.84E+02	1.00E+08	2.04E+09	1.63E+00	1.77E+01	4.50E+03	1.44E+01	2.32E+03	4.65E+01	8.02E+01	8.14E+00	1.66E+09	7.23E+08	1.04E+02	3.20E+04	1.57E+00	8.78E+01	1.02E+02	2.33E+08	1.08E+02	9.37E+01	1.88E+00	0.00E+00	0.00E+00	0.00E+00	1.68E+00
	B04772	1.60E+02	5.58E+09	-3.78E+03	5.89E+00	3.38E+09	0.00E+00	3.29E+01	4.52E+08	3.57E+03	3.92E+02	2.66E+03	1.89E+02	9.88E+08	2.85E+08	1.63E+00	1.74E+01	9.70E+03	2.29E+01	3.29E+02	6.86E+01	2.10E+02	8.56E+00	2.06E+08	9.02E+08	1.23E+02	3.32E+04	1.51E+00	9.51E+01	2.33E+02	2.46E+08	2.36E+02	2.14E+02	1.93E+00	0.00E+00	0.00E+00	0.00E+00	1.44E+00
	B04781	1.44E+02	5.08E+09	-4.77E+03	4.89E+00	3.38E+09	0.00E+00	3.24E+01	4.58E+08	3.47E+03	3.89E+02	2.42E+03	1.89E+02	9.88E+08	2.71E+08	1.60E+00	1.75E+01	9.20E+03	2.27E+01	3.05E+02	5.27E+01	2.07E+02	8.37E+00	2.04E+08	8.79E+08	1.17E+02	3.22E+04	1.44E+00	9.06E+01	2.32E+02	2.48E+08	2.37E+02	2.16E+02	1.88E+00	0.00E+00	0.00E+00	0.00E+00	1.36E+00
	B04782	2.90E+02	6.42E+09	-8.86E+03	6.47E+00	3.90E+09	0.00E+00	3.47E+01	5.14E+08	4.37E+03	4.76E+02	3.10E+03	1.86E+00	1.50E+08	3.33E+08	1.66E+00	1.93E+01	1.30E+03	1.90E+01	3.29E+02	4.19E+02	1.06E+02	3.29E+00	1.57E+07	1.40E+07	1.48E+02	3.85E+04	3.37E+00	1.47E+00	3.36E+02	3.35E+02	2.72E+02	2.06E+00	0.00E+00	0.00E+00	0.00E+00	1.98E+00	
	B04790	8.94E+03	2.87E+09	4.97E+02	2.87E+00	1.37E+04	0.00E+00	1.89E+03	3.91E+05	1.87E+03	2.20E+02	4.60E+03	2.21E+00	5.43E+08	2.98E+08	1.59E+01	5.54E+01	6.02E+03	8.88E+02	1.99E+02	8.13E+01	1.17E+02	1.33E+01	2.26E+07	6.17E+08	6.15E+02	5.43E+04	2.41E+00	3.59E+00	1.15E+02	1.30E+02	1.13E+02	1.17E+02	6.02E+00	0.00E+00	0.00E+00	0.00E+00	8.67E+01
	B04792	1.41E+02	4.37E+09	-2.35E+02	4.92E+00	1.37E+04	0.00E+00	2.05E+03	3.22E+05	2.52E+03	2.93E+02	4.60E+03	2.12E+00	5.31E+08	3.16E+08	1.57E+01	5.36E+01	9.05E+03	1.10E+01	2.86E+02	8.20E+01	1.57E+02	1.71E+01	2.23E+07	9.02E+08	8.92E+02	5.72E+04	5.55E+00	4.32E+00	1.75E+02	2.01E+02	1.76E+02	1.83E+02	3.95E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+00
	B04794	2.21E+02	5.78E+09	-4.73E+02	5.79E+00	1.38E+04	0.00E+00	1.89E+03	3.18E+05	5.48E+03	6.13E+02	7.33E+03	2.12E+00	5.36E+08	3.64E+08	1.57E+01	5.86E+01	1.59E+02	1.45E+01	3.46E+02	1.15E+00	1.58E+02	1.63E+01	2.52E+07	1.46E+07	1.55E+02	5.85E+04	5.36E+00	4.37E+00	1.81E+02	2.37E+02	1.76E+02	2.35E+02	9.87E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+00
	B04795	6.33E+03	2.18E+09	-3.44E+02	1.77E+00	1.31E+04	0.00E+00	1.78E+02	6.15E+08	1.04E+03	1.30E+02	9.95E+04	2.18E+02	1.08E+08	1.54E+09	1.78E+00	1.95E+01	3.17E+03	1.39E+02	9.65E+03	5.51E+01	3.08E+01	8.51E+00	1.52E+08	4.05E+08	3.95E+02	3.94E+04	1.82E+00	3.75E+00	3.88E+01	6.15E+07	3.33E+01	4.36E+01	3.44E+00	0.00E+00	0.00E+00	0.00E+00	4.15E+01
	B04797	7.18E+03	2.18E+09	-3.44E+02	1.77E+00	1.31E+04	0.00E+00	1.78E+02	6.15E+08	1.04E+03	1.30E+02	9.95E+04	2.18E+02	1.08E+08	1.54E+09	1.78E+00	1.95E+01	3.17E+03	1.39E+02	9.65E+03	5.51E+01	3.08E+01	8.51E+00	1.52E+08	4.05E+08	3.95E+02	3.94E+04	1.82E+00	3.75E+00	3.88E+01	6.15E+07	3.33E+01	4.36E+01	3.44E+00	0.00E+00	0.00E+00	0.00E+00	7.86E+01
	B04799	1.72E+02	5.21E+09	-6.91E+02	5.15E+00	3.79E+05	0.00E+00	1.91E+02	1.27E+08	3.28E+03	3.79E+02	3.39E+03	2.43E+01	3.85E+08	2.83E+08	2.38E+00	4.02E+01	1.04E+02	1.15E+01	3.17E+02	1.07E+00	1.14E+02	1.30E+01	1.71E+07	1.02E+07	1.09E+02	4.82E+04	4.16E+00	2.13E+00	1.43E+02	8.37E+08	1.87E+02	1.78E+02	7.91E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+00
	FL31S	1.00E+01	1.78E+01	1.20E+01	1.90E+01	2.78E+05	0.00E+00	9.16E+03	1.57E+04	9.27E+03	1.07E+01	7.11E+02	4.57E+01	7.02E+08	1.43E+08	4.26E+01	1.22E+00	8.35E+02	8.00E+01	1.58E+01	5.44E+00	2.02E+00	5.27E+00	1.13E+05	1.89E+08	6.33E+02	2.23E+03	8.91E+00	1.54E+01	2.15E+00	2.99E+04	2.36E+05	2.00E+05	1.51E+01	0.00E+00	0.00E+00	0.00E+00	6.50E+00
	FL32S	3.24E+01	7.08E+01	8.07E+01	7.04E+01	1.51E+08	0.00E+00	1.41E+04	2.36E+04	4.88E+02	5.07E+01	1.98E+01	6.90E+01	8.62E+08	1.88E+08	1.03E+02	3.16E+02	2.00E+01	8.18E+01	5.68E+01	2.12E+01	5.19E+05	7.82E+01	1.22E+08	2.89E+06	2.02E+01	6.33E+03	5.50E+01	1.57E+00	4.37E+03	5.38E+05	5.32E+05	6.38E+01	0.00E+00	0.00E+00	0.00E+00	2.41E+01	
	FL32SP	4.10E+01	7.24E+01	8.31E+01	7.24E+01	1.51E+08	0.00E+00	1.41E+04	2.36E+04	4.88E+02	5.07E+01	1.98E+01	6.90E+01	8.62E+08	1.88E+08	1.03E+02	3.16E+02	2.00E+01	8.18E+01	5.68E+01	2.12E+01	5.19E+05	7.82E+01	1.22E+08	2.89E+06	2.02E+01	6.33E+03	5.50E+01	1.57E+00	4.37E+03	5.38E+05	5.32E+05	6.38E+01	0.00E+00	0.00E+00	0.00E+00	2.60E+01	
	FL32SPX01	3.11E+01	6.94E+01	8.86E+01	6.81E+01	1.32E+08	0.00E+00	1.41E+04	2.31E+04	3.98E+02	4.15E+01	1.50E+01	6.90E+01	8.88E+08	1.48E+08	1.04E+02	3.54E+02	1.88E+01	1.04E+00	4.81E+01	1.88E+01	5.64E+00	7.58E+01	1.04E+05	2.99E+08	1.03E+01	7.12E+03	4.88E+01	1.38E+00	3.51								

Distribution A4	ZAY70425	2.44E-01	5.71E+01	2.24E+00	5.53E+01	9.30E-07	0.00E+00	1.60E+02	4.34E-05	3.36E+02	3.48E-01	6.17E-02	2.83E+00	1.56E-07	3.03E-07	2.29E+01	7.40E-01	1.38E-01	3.26E-01	2.68E-01	8.03E+00	1.21E+03	5.17E+01	9.63E-07	1.30E+00	1.59E-01	3.81E-03	3.12E+01	1.04E+01	1.54E+03	2.87E-01	1.51E+03	1.56E+03	1.59E+01	0.00E+00	0.00E+00	0.00E+00	1.14E+01	
	ZAY70426	5.71E-02	1.79E+01	2.20E+00	1.81E+01	7.08E-07	0.00E+00	1.12E+02	1.88E-05	9.72E-03	1.09E-01	3.26E-02	2.25E+00	8.92E-08	1.40E-07	1.79E+01	3.04E-01	6.30E-02	3.70E-01	1.37E-01	4.92E+00	1.24E+03	3.21E+01	2.89E-07	4.39E-07	4.04E-02	1.70E-03	5.74E+00	8.09E+00	1.40E+03	2.87E-01	1.43E+03	1.43E+03	1.13E+01	0.00E+00	0.00E+00	0.00E+00	5.98E+00	
	ZAY750AT	4.71E-02	1.13E+01	1.07E-01	1.19E+01	4.00E-04	0.00E+00	3.43E+03	3.52E-05	8.69E-03	6.94E-02	2.46E-02	1.21E+01	1.31E+06	5.26E-07	3.21E+01	9.98E-01	2.37E-02	2.72E-01	7.47E-02	1.75E+00	2.35E-04	1.12E+01	3.32E-06	8.20E-07	2.82E+00	8.82E-04	5.22E+00	6.47E+00	4.30E-04	8.40E+00	4.18E+04	2.93E-04	1.28E+01	0.00E+00	0.00E+00	0.00E+00	3.50E+00	
	ZAY75535	5.80E-02	1.72E+01	5.72E-02	1.77E+01	2.35E-07	0.00E+00	1.08E+02	2.14E-05	9.72E-03	1.09E-01	3.10E-02	2.12E+00	6.87E-08	1.26E-07	1.85E+01	9.37E-01	6.45E-02	5.15E-01	1.36E-01	4.83E+00	1.26E+03	1.33E+00	2.94E-07	3.51E-07	3.89E-02	1.79E-03	4.27E+00	6.47E+00	1.43E+03	1.67E-04	1.44E+03	1.48E+03	1.32E+01	0.00E+00	0.00E+00	0.00E+00	5.90E+00	
	ZAY75539	2.94E-01	4.47E+01	1.44E-01	3.88E+01	4.18E-07	0.00E+00	1.28E+02	4.31E-05	2.26E-02	2.16E-01	5.14E-03	2.33E+00	1.55E-07	2.94E-07	1.72E+01	9.27E-01	8.82E-06	9.33E-01	1.79E-01	4.82E+01	1.27E+03	1.24E+02	2.86E-07	8.14E-07	1.23E+01	3.94E-03	2.56E+01	1.07E+01	1.43E+03	1.68E-04	1.47E+03	1.48E+03	1.84E+01	0.00E+00	0.00E+00	0.00E+00	7.20E+00	
	ZAY75546	2.46E-01	5.79E+00	2.46E-01	4.80E+00	1.60E-07	0.00E+00	1.61E+02	6.20E-05	4.00E-03	6.80E-02	4.45E-03	2.11E+00	5.91E+08	3.26E-08	1.58E+01	8.80E-01	1.62E+03	1.30E-01	2.82E-01	4.94E+01	1.27E+03	9.41E-03	3.26E-06	1.40E-06	1.68E+01	3.00E+02	2.60E+01	1.68E+01	1.93E+01	2.31E-04	1.50E+03	1.54E+03	1.57E+01	0.00E+00	0.00E+00	0.00E+00	1.17E+01	
	ZAY75547	2.46E-01	5.69E+01	1.63E-01	3.44E+01	4.81E-07	0.00E+00	1.55E+02	8.34E-05	3.78E-02	3.87E-01	8.79E-02	2.88E+00	1.56E-07	3.79E-07	2.24E+01	7.71E-01	1.50E-01	4.97E-01	2.79E-01	8.99E+00	1.23E+03	6.51E+01	2.24E-06	1.59E-06	1.61E+01	3.70E-03	2.94E+01	1.08E+01	1.54E+03	2.31E-04	1.51E+03	1.59E+03	2.03E+01	0.00E+00	0.00E+00	0.00E+00	1.15E+01	
	ZAY75548	1.63E-01	3.87E+01	2.20E+00	3.08E+01	7.17E-07	0.00E+00	1.19E+02	3.33E-05	1.77E-02	1.79E-01	4.47E-02	2.28E+00	9.53E-08	1.62E-07	1.95E+01	5.06E-01	7.10E-02	3.42E-01	1.87E-01	6.00E+00	1.26E+03	4.42E+01	5.34E-07	6.78E-07	9.85E+00	2.35E-03	7.31E+00	1.02E+01	1.44E+03	2.87E-01	1.48E+03	1.47E+03	1.68E+01	0.00E+00	0.00E+00	0.00E+00	7.71E+00	
	ZAY75549	2.03E-01	4.43E+01	1.23E-01	3.80E+01	2.73E-07	0.00E+00	1.20E+02	4.05E-05	2.17E-02	2.10E-01	4.43E-02	2.66E+00	1.40E-07	2.94E-07	2.24E+01	6.85E-01	7.27E-02	4.99E-01	1.87E-01	8.94E+00	1.22E+03	1.92E+01	8.14E-07	7.99E-07	1.24E-01	2.42E-03	2.89E+01	1.02E+01	1.44E+03	1.72E-04	1.43E+03	1.48E+03	1.78E+01	0.00E+00	0.00E+00	0.00E+00	7.76E+00	
	ZAY75570	1.96E-01	4.38E+01	1.15E-01	3.74E+01	2.73E-07	0.00E+00	1.19E+02	3.28E-05	1.93E-02	2.08E-01	4.48E-02	2.55E+00	1.45E-08	3.94E-08	1.53E-01	8.81E-01	7.90E-02	4.90E-01	1.76E-01	6.00E+00	1.27E+03	1.92E+01	8.14E-07	7.99E-07	1.24E-01	2.42E-03	2.89E+01	1.02E+01	1.44E+03	1.72E-04	1.43E+03	1.48E+03	1.78E+01	0.00E+00	0.00E+00	0.00E+00	7.76E+00	
	ZAY75571	2.14E-01	4.83E+01	9.98E-02	4.19E+01	3.05E-07	0.00E+00	1.61E+02	4.47E-05	2.81E-02	2.56E-01	3.86E-02	2.68E+00	1.04E-07	2.44E-07	2.10E+01	7.76E-01	1.27E-01	4.37E-01	2.02E-01	8.24E+00	1.32E+03	2.43E+01	7.95E-07	9.60E-07	1.37E-01	2.79E-03	3.02E+01	1.07E+01	1.67E+03	1.82E-04	1.68E+03	1.72E+03	2.08E+01	0.00E+00	0.00E+00	0.00E+00	8.39E+00	
	ZAY76777	1.06E-02	3.24E+00	5.64E-02	3.24E+00	7.94E-09	0.00E+00	1.11E+02	1.63E-05	2.79E-03	3.09E-02	4.93E-03	2.12E+00	5.36E-08	3.22E-08	1.59E+01	2.95E-01	5.16E-03	8.84E-02	2.44E-02	6.69E-01	9.02E-01	8.07E+00	2.16E-07	7.38E-08	9.20E+00	3.86E-04	3.83E+00	3.57E+00	9.89E+01	1.16E+00	1.08E+00	1.14E+00	8.12E+00	0.00E+00	0.00E+00	0.00E+00	1.11E+00	
	ZAY76960	5.91E-02	1.87E+01	3.47E-01	2.08E+01	2.82E-04	0.00E+00	2.51E+02	2.10E-04	1.01E-02	1.13E-01	3.94E-02	1.13E+01	7.65E-06	1.57E-07	2.03E+01	9.58E-01	7.29E-02	9.57E-01	1.82E-01	6.48E+00	1.30E+03	1.62E+01	1.13E-06	2.11E-06	3.02E+02	3.01E-03	6.21E+00	1.02E+01	1.51E+03	3.86E-02	1.49E+03	1.57E+03	1.65E+01	0.00E+00	0.00E+00	0.00E+00	8.40E+00	
	ZAY76961	9.70E-02	1.72E+01	2.36E+00	3.79E+01	3.12E-06	0.00E+00	2.62E+02	2.11E-04	2.20E-02	2.47E-01	8.69E-02	3.15E+01	8.97E-08	3.19E-07	1.02E+00	1.37E+01	9.30E-01	8.30E-01	2.69E-01	5.97E+00	1.26E+03	4.96E+01	1.47E-06	2.59E-06	7.27E+02	4.17E-03	8.95E+00	1.09E+01	1.54E+03	2.87E-01	1.57E+03	1.68E+03	1.62E+01	0.00E+00	0.00E+00	0.00E+00	1.78E+01	
	ZAY76963	5.46E-02	1.72E+01	2.86E+00	2.67E+01	2.89E-07	0.00E+00	1.62E+02	1.95E-04	1.76E-02	1.05E-01	3.14E-02	2.11E+01	8.44E-08	2.33E-07	1.87E+01	9.70E+00	1.67E+01	1.06E+01	1.37E+01	5.20E+00	1.26E+03	1.98E+01	2.49E-06	3.49E-06	3.81E+02	2.98E+03	2.98E+03	2.98E+03	1.67E+01	1.67E+03	1.67E+03	1.67E+01	0.00E+00	0.00E+00	0.00E+00	7.13E+00		
	ZAY76964	6.04E-02	1.88E+01	3.01E-01	2.08E+01	2.89E-04	0.00E+00	2.54E+02	1.99E-04	1.01E-02	1.16E-01	4.31E-02	3.11E+01	8.83E-08	1.97E-07	2.05E+01	9.70E+01	1.07E+01	1.07E+01	1.75E-01	7.40E+00	1.20E+03	1.83E+01	1.27E-06	2.52E-06	3.99E+02	3.01E-03	8.35E+00	1.03E+01	1.49E+03	3.89E-02	1.47E+03	1.58E+03	1.70E+01	0.00E+00	0.00E+00	0.00E+00	8.10E+00	
	ZAY77617	1.01E-02	2.74E+00	6.51E-02	2.81E+00	1.08E-07	0.00E+00	9.78E+01	1.22E-05	3.16E-03	3.44E-02	5.72E-03	2.12E+00	5.86E-08	2.15E-08	1.58E+01	1.62E-01	4.48E-03	1.17E-01	3.06E-02	4.93E-01	9.07E+00	1.07E+02	1.25E+00	2.24E-07	7.45E-08	9.30E+00	3.99E-04	1.68E+00	3.22E+00	1.07E+02	1.99E+00	1.06E+00	1.45E+00	4.68E+00	0.00E+00	0.00E+00	0.00E+00	1.36E+00
	ZAY77618	1.13E-02	3.51E+00	6.51E-02	3.51E+00	1.08E-07	0.00E+00	9.78E+01	1.22E-05	3.26E-03	3.50E-02	5.71E-03	2.12E+00	5.86E-08	2.48E-08	1.58E+01	1.63E-01	5.63E-03	1.32E-01	3.27E-02	5.12E-01	1.43E+02	1.18E+00	2.25E-07	8.38E-08	1.04E+02	3.74E-04	1.63E+00	3.22E+00	1.60E+02	2.08E+00	1.82E+02	1.94E+02	4.68E+00	0.00E+00	0.00E+00	0.00E+00	1.47E+00	
	ZAY77619	1.46E-02	4.83E+00	6.52E-02	4.80E+00	1.09E-07	0.00E+00	9.58E+01	1.23E-05	3.38E-03	3.53E-02	3.74E-03	2.11E+00	5.95E-08	2.69E-08	1.58E+01	1.61E-01	9.23E-03	1.69E-01	3.02E-02	6.34E-01	1.46E+02	1.09E+00	2.26E-07	8.69E-08	1.09E+02	3.99E-04	1.62E+00	3.28E+00	1.59E+02	1.46E+02	1.63E+02	1.58E+02	4.69E+00	0.00E+00	0.00E+00	0.00E+00	1.50E+00	
	ZAY77620	3.06E-02	5.89E+00	6.52E-02	6.00E+00	1.08E-07	0.00E+00	9.79E+01	1.33E-05	3.60E-03	6.00E-02	4.76E-03	2.11E+00	5.91E+08	3.22E-08	1.58E+01	1.80E-01	1.62E+03	1.30E-01	4.37E-02	1.04E+00	1.41E+02	1.10E+00	2.41E-07	1.90E-06	4.40E+02	1.13E-04	1.72E+00	3.44E+00	1.61E+02	1.62E+02	1.64E+02	4.94E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00		
	ZAY77626	3.13E-02	6.87E+00	2.20E+00	8.72E+00	8.69E-07	0.00E+00	1.04E+02	1.38E-05	5.69E-03	6.27E-02	1.18E-02	2.25E+00	8.86E-08	3.79E-08	1.73E+01	2.14E-01	1.59E-02	1.75E-01	5.19E-02	1.09E+00	1.62E+02	3.19E+01	2.62E-07	2.49E-07	2.11E+02	4.36E-04	4.08E+00	3.48E+00	1.89E+02	2.87E-01	1.87E+02	2.11E+02	5.48E+00	0.00E+00	0.00E+00	0.00E+00	2.10E+00	
	ZAY77627	3.75E-02	1.87E+01	6.38E-02	1.09E+01	1.18E-07	0.00E+00	1.01E+02	1.40E-05	5.99E-03	6.93E-02	8.79E-03	2.12E+00	6.77E-08	8.51E-08	1.58E+01	1.86E-01	2.02E-02	3.51E-01	9.06E-02	1.24E+00	1.48E+02	1.02E+00	2.40E-07	1.88E-07	2.07E+02	5.98E-04	2.11E+00	3.48E+00	7.02E+00	1.04E-04	8.93E+02	6.96E+03	5.24E+00	0.00E+00	0.00E+00	0.00E+00	3.74E+00	
	ZAY77628	3.89E-02	1.19E+01	8.82E-02	1.14E+01	1.18E-07	0.00E+00	1.06E+02	1.92E-05	5.89E-03	6.84E-02	8.44E-03	2.11E+00	7.36E-08	8.94E-08	1.58E+01	2.21E-01	2.89E-02	3.39E-01	8.77E-02	1.30E+00	1.87E+02	1.42E+00	2.47E-07	1.92E-07	2.18E+02	4.91E-04	2.33E+00	4.04E+00	8.70E+00	1.32E-04	8.18E+02	8.14E+02	8.11E+00	0.00E+00	0.00E+00	0.00E+00	3.47E+00	
	ZAY79268M	7.94E-02	1.93E+01	2.96E-01	2.18E+01	2.80E-06	0.00E+00	1.90E+03	2.23E-04	1.01E-02	1.18E-01	5.12E-02	3.40E+01	1.96E+01	4.71E-07	2.89E+01	9.86E-01	9.86E-01	9.86E-01	1.88E-01	7.12E+00	1.43E+03	1.83E+01	2.92E-06	2.94E-06	4.77E+02	3.12E-03	6.36E+00	1.11E+01	1.73E+02	3.69E-02	1.71E+02	1.71E+02	1.92E+00	0.00E+00	0.00E+00	0.00E+00	8.60E+00	
	ZAY79270M	1.92E+01	1.92E+01	3.37E-01	2.79E+00	1.96E+01	1.96E+01	9.02E-03	1.13E-01	4.43E-02	3.36E+01	1.79E-07	4.72E-07	2.11E+01	9.86E-01	8.71E-02	1.16E+00	1.68E-																					

B04622	8.97E-01	1.41E+00	0.00E+00	1.41E+00	0.00E+00	0.00E+00	0.28E-01	5.31E-07	4.21E-03	4.81E-02	0.00E+00	0.00E+00	0.00E+00	2.49E-11	4.62E-10	3.45E-03	0.00E+00	0.00E+00	0.00E+00	1.25E-04	4.97E-02	1.98E-01	0.00E+00	2.17E-09	7.30E-09	1.16E-02	3.34E-05	2.64E-02	0.00E+00	1.98E-01	5.88E-08	1.98E-01	1.98E-01	2.64E-02	0.00E+00	0.00E+00	0.00E+00	5.38E-03
B04623	1.30E-02	2.13E+00	0.00E+00	2.13E+00	0.00E+00	0.00E+00	1.40E+00	8.01E-07	8.34E-03	8.99E-02	0.00E+00	0.00E+00	0.00E+00	3.75E-11	7.26E-10	5.22E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-04	7.50E-02	2.99E-01	0.00E+00	3.27E-09	1.10E-07	1.75E-02	5.34E-05	3.98E-02	0.00E+00	2.99E-01	8.41E-08	2.99E-01	2.99E-01	3.98E-02	0.00E+00	0.00E+00	0.00E+00	8.11E-03
B04624	1.55E-02	2.41E+00	0.00E+00	2.41E+00	0.00E+00	0.00E+00	1.58E+00	9.05E-07	7.17E-03	7.86E-02	0.00E+00	0.00E+00	0.00E+00	4.24E-11	8.27E-10	5.88E-03	0.00E+00	0.00E+00	0.00E+00	2.13E-04	8.47E-02	3.37E-01	0.00E+00	3.70E-09	1.24E-07	1.98E-02	6.03E-05	4.49E-02	0.00E+00	3.37E-01	9.50E-08	3.37E-01	3.37E-01	4.49E-02	0.00E+00	0.00E+00	0.00E+00	9.17E-03
B04625	5.87E-03	1.81E+00	4.55E-06	1.78E+01	8.72E-07	0.00E+00	1.97E+01	2.48E-08	3.19E-03	3.50E-02	0.00E+00	2.05E-03	1.09E-10	2.05E-09	2.00E-02	2.00E-03	0.00E+00	0.00E+00	0.00E+00	4.97E-04	8.37E-02	2.58E-01	0.00E+00	8.45E-09	6.02E-08	9.91E-03	8.78E-05	5.04E-02	0.00E+00	2.47E-01	1.83E-07	2.49E-01	2.58E-01	5.39E-02	0.00E+00	0.00E+00	0.00E+00	2.10E-02
B04626	1.58E-02	2.45E+00	0.00E+00	2.45E+00	0.00E+00	0.00E+00	1.67E+00	9.22E-07	7.20E-03	8.05E-02	0.00E+00	0.00E+00	0.00E+00	4.32E-11	8.59E-10	5.93E-03	0.00E+00	0.00E+00	0.00E+00	2.17E-04	8.63E-02	3.43E-01	0.00E+00	3.77E-09	1.27E-07	2.02E-02	6.14E-05	4.57E-02	0.00E+00	3.43E-01	9.87E-08	3.43E-01	3.43E-01	4.57E-02	0.00E+00	0.00E+00	0.00E+00	9.32E-03
B04628	6.49E-02	9.92E+00	0.00E+00	9.92E+00	0.00E+00	0.00E+00	6.24E+00	3.98E-08	6.26E-02	3.10E-01	0.00E+00	0.00E+00	0.00E+00	1.68E-10	3.24E-09	6.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	3.36E-01	3.32E-01	0.00E+00	3.47E-10	4.91E-07	7.63E-02	2.89E-04	1.70E-01	0.00E+00	1.33E-07	1.33E-07	1.33E-07	1.77E-01	0.00E+00	0.00E+00	0.00E+00	3.62E-02	
B04631	3.47E-04	8.39E-02	2.08E-07	8.39E-02	7.39E-09	0.00E+00	1.54E+00	2.22E-07	3.60E-04	3.62E-03	0.00E+00	2.53E-04	1.14E-11	1.98E-10	1.88E-03	2.84E-04	0.00E+00	0.00E+00	0.00E+00	8.60E-05	7.92E-09	1.49E+00	0.00E+00	8.36E-10	5.69E-09	1.23E-02	9.93E-09	4.93E-03	0.00E+00	1.93E+00	2.39E-08	1.93E+00	1.49E+00	4.46E-03	0.00E+00	0.00E+00	0.00E+00	1.53E-02
B04641	3.76E-04	2.38E-01	8.78E-07	2.38E-01	4.51E-07	0.00E+00	6.99E+00	8.91E-07	8.83E-05	7.49E-04	0.00E+00	9.97E-04	4.87E-11	8.90E-10	8.43E-03	1.00E-03	0.00E+00	0.00E+00	0.00E+00	2.00E-04	2.21E-02	4.29E+00	0.00E+00	2.89E-09	3.22E-09	2.42E-04	1.75E-05	1.33E-02	0.00E+00	4.23E+00	8.00E-08	4.23E+00	4.25E+00	1.33E-02	0.00E+00	0.00E+00	0.00E+00	8.98E-03
B04642	4.71E-04	2.98E-01	1.22E-06	2.98E-01	3.51E-07	0.00E+00	8.70E+00	1.11E-08	8.54E-05	9.37E-04	0.00E+00	1.23E-03	5.84E-11	1.11E-09	1.09E-02	1.28E-03	0.00E+00	0.00E+00	0.00E+00	2.50E-04	2.27E-02	5.30E+00	0.00E+00	3.62E-09	4.04E-09	3.03E-04	2.19E-05	1.67E-02	0.00E+00	1.89E+00	1.89E+00	1.83E+00	1.95E+00	1.67E-02	0.00E+00	0.00E+00	0.00E+00	1.07E-02
B04644	1.58E-03	2.33E-01	1.34E-06	2.33E-01	1.62E-07	0.00E+00	3.40E+01	4.00E-07	4.94E-05	5.89E-03	0.00E+00	4.00E-04	2.08E-11	4.75E-10	4.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	1.11E-04	1.20E-02	5.37E+00	0.00E+00	1.81E-09	8.94E-09	4.68E-04	3.17E-05	1.93E-02	0.00E+00	3.37E+00	3.37E+00	3.37E+00	3.37E+00	1.93E-02	0.00E+00	0.00E+00	0.00E+00	3.86E-02
B04647	1.01E-03	1.58E-01	0.00E+00	1.58E-01	0.00E+00	0.00E+00	1.04E-01	3.98E-08	4.73E-04	5.19E-03	0.00E+00	0.00E+00	2.80E-12	5.42E-11	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	1.93E-03	2.22E+00	0.00E+00	2.44E-10	8.21E-09	1.31E-03	1.98E-09	2.97E-03	0.00E+00	2.22E+00	6.27E-09	2.22E+00	2.22E+00	2.97E-03	0.00E+00	0.00E+00	0.00E+00	6.05E-04
B04651	3.94E-04	4.89E-02	1.14E-06	4.89E-02	4.74E-07	0.00E+00	8.75E+00	1.90E-07	2.22E-04	1.45E-03	0.00E+00	1.38E-03	1.73E-11	3.45E-10	4.14E-03	1.46E-03	0.00E+00	0.00E+00	0.00E+00	6.59E-05	9.01E-09	8.08E-01	0.00E+00	4.16E-10	3.68E-09	4.03E-04	2.46E-09	1.84E-03	0.00E+00	9.05E-01	2.46E-08	9.05E-01	8.27E-01	2.53E-03	0.00E+00	0.00E+00	0.00E+00	2.81E-03
B04660	9.89E-05	4.54E-02	1.83E-07	4.54E-02	3.81E-08	0.00E+00	8.61E-01	8.89E-08	9.26E-05	1.01E-03	0.00E+00	1.14E-04	5.80E-12	1.30E-10	8.86E-04	9.02E-04	0.00E+00	0.00E+00	0.00E+00	2.13E-05	3.85E-03	7.97E-01	0.00E+00	3.75E-10	2.14E-09	2.59E-04	2.27E-09	1.74E-03	0.00E+00	8.26E-01	9.22E-09	8.31E-01	8.31E-01	2.54E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-03
B04662	1.80E-04	6.07E-02	2.49E-07	6.04E-02	5.43E-09	0.00E+00	8.81E-01	1.31E-07	1.17E-04	1.25E-03	0.00E+00	1.48E-04	8.04E-12	1.93E-10	1.45E-03	1.00E-04	0.00E+00	0.00E+00	0.00E+00	2.63E-05	4.01E-09	1.09E+00	0.00E+00	4.77E-10	2.49E-09	2.94E-04	2.62E-09	1.99E-03	0.00E+00	1.00E+00	1.15E-08	1.03E+00	1.07E+00	2.89E-03	0.00E+00	0.00E+00	0.00E+00	2.02E-02
B04663	4.21E-04	8.04E-02	3.94E-07	7.96E-02	3.88E-08	0.00E+00	1.78E-03	1.95E-07	1.60E-07	1.78E-03	0.00E+00	1.78E-03	1.75E-11	1.01E-10	1.47E-04	1.79E-04	0.00E+00	0.00E+00	0.00E+00	8.49E-05	4.40E-03	1.72E-02	0.00E+00	7.45E-10	2.74E-09	4.14E-05	3.79E-09	2.76E-03	0.00E+00	1.00E+00	1.57E-08	1.37E+00	1.34E+00	2.83E-03	0.00E+00	0.00E+00	0.00E+00	2.27E-02
B04664	4.93E-04	9.30E-02	2.89E-07	9.18E-02	9.11E-08	0.00E+00	2.41E+00	2.99E-07	1.85E-04	1.99E-03	0.00E+00	3.14E-04	1.54E-11	2.96E-10	3.20E-03	4.55E-04	0.00E+00	0.00E+00	0.00E+00	8.23E-05	8.29E-03	1.54E+00	0.00E+00	1.15E-09	3.52E-09	4.81E-04	7.88E-09	5.38E-03	0.00E+00	1.89E+00	2.60E-08	1.83E+00	1.95E+00	4.49E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-02
B04665	1.18E-04	2.97E-02	1.51E-07	2.96E-02	5.32E-08	0.00E+00	1.19E+00	1.07E-07	1.05E-04	1.15E-03	0.00E+00	1.98E-04	5.19E-12	8.47E-11	1.18E-03	2.94E-04	0.00E+00	0.00E+00	0.00E+00	2.57E-05	3.93E-03	6.15E-01	0.00E+00	3.54E-10	1.88E-09	4.55E-04	1.48E-09	1.21E-03	0.00E+00	4.84E-01	1.37E-08	4.90E-01	6.91E-01	2.66E-03	0.00E+00	0.00E+00	0.00E+00	1.12E-03
B04666	9.98E-05	3.23E-02	1.49E-07	3.35E-02	8.31E-08	0.00E+00	9.71E-01	1.35E-07	1.59E-04	1.75E-03	0.00E+00	1.65E-04	7.33E-12	1.44E-10	1.05E-03	1.67E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-05	3.96E-03	6.89E-01	0.00E+00	5.99E-10	1.34E-09	2.92E-04	3.01E-09	2.29E-03	0.00E+00	5.97E-01	2.20E-08	6.13E-01	8.80E-01	3.09E-03	0.00E+00	0.00E+00	0.00E+00	3.11E-03
B04667	9.58E-05	3.23E-02	1.55E-07	3.35E-02	8.69E-08	0.00E+00	9.89E-01	1.35E-07	1.47E-04	1.62E-03	0.00E+00	1.61E-04	7.23E-12	1.42E-10	1.05E-03	1.71E-04	0.00E+00	0.00E+00	0.00E+00	3.15E-05	3.96E-03	6.89E-01	0.00E+00	5.99E-10	1.34E-09	2.92E-04	3.01E-09	2.29E-03	0.00E+00	5.97E-01	2.20E-08	6.13E-01	8.80E-01	3.09E-03	0.00E+00	0.00E+00	0.00E+00	3.11E-03
B04669	1.10E-04	4.08E-02	1.62E-07	3.94E-02	3.68E-08	0.00E+00	9.96E-01	1.06E-07	1.05E-04	1.18E-03	0.00E+00	1.26E-04	5.80E-12	1.25E-10	8.78E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-05	3.93E-03	7.17E-01	0.00E+00	3.47E-10	1.65E-09	2.11E-04	1.73E-09	1.41E-03	0.00E+00	8.26E-01	1.20E-08	6.96E-01	7.10E-01	2.48E-03	0.00E+00	0.00E+00	0.00E+00	2.12E-03
B04679	1.74E-03	2.94E-01	2.29E-07	2.98E-01	7.98E-09	0.00E+00	2.27E+00	4.04E-07	6.37E-04	6.99E-03	0.00E+00	4.33E-04	2.14E-11	3.42E-10	5.92E-03	7.06E-04	0.00E+00	0.00E+00	0.00E+00	1.21E-04	1.91E-02	4.20E+00	0.00E+00	1.97E-09	1.04E-08	1.17E-03	1.33E-05	1.62E-02	0.00E+00	4.11E+00	6.93E-08	4.13E+00	4.92E+00	7.62E-03	0.00E+00	0.00E+00	0.00E+00	3.71E-03
B04681	7.76E-05	3.22E-02	1.10E-07	3.33E-02	6.95E-08	0.00E+00	7.83E-01	9.38E-08	5.03E-05	5.52E-04	0.00E+00	1.52E-04	4.99E-12	8.94E-11	8.89E-04	1.54E-04	0.00E+00	0.00E+00	0.00E+00	2.01E-05	3.87E-03	8.50E-01	0.00E+00	3.26E-10	1.29E-09	1.69E-04	1.84E-09	1.47E-03	0.00E+00	5.75E-01	1.03E-08	5.82E-01	6.69E-01	2.49E-03	0.00E+00	0.00E+00	0.00E+00	8.81E-04
B04682	8.08E-05	3.14E-02	1.55E-07	3.02E-02	3.81E-08	0.00E+00	9.14E-01	1.10E-07	7.02E-03	7.97E-04	0.00E+00	1.21E-04	5.89E-12	1.18E-10	9.38E-04	9.48E-05	0.00E+00	0.00E+00	0.00E+00	1.83E-01	3.89E-03	8.15E-01	0.00E+00	2.96E-10	1.92E-09	2.22E-04	1.86E-09	1.43E-03	0.00E+00	5.44E-01	8.90E-09	5.34E-01	6.21E-01	2.50E-03	0.00E+00	0.00E+00	0.00E+00	1.94E-03
B04688	1.07E-04	2.93E-02	1.51E-07	2.97E-02	5.19E-08	0.00E+00	1.14E+00	1.04E-07	1.05E-04	1.18E-03	0.00E+00	1.26E-04	5.84E-12	1.25E-10	8.78E-04	1.19E-04	0.00E+00	0.00E+00	0.00E+00	2.00E-05	3.93E-03	7.17E-01	0.00E+00	3.47E-10	1.65E-09	2.11E-04	1.73E-09	1.41E-03	0.00E+00	8.26E-01	1.20E-08	6.96E-01	7.10E-01	2.48E-03	0.00E+00	0.00E+00	0.00E+00	8.81E-04
B04696	2.74E-04	8.28E-02	1.83E-07	8.35E-02	8.72E-08	0.00E+00	1.22E+00	1.55E-07	9.69E-05	1.05E-04	0.00E+00	1.98E-04	8.43E-12																									

ZAL175P	2.732-02	5.58E+00	1.03E-08	5.98E+00	3.51E-07	0.00E+00	1.40E+01	2.08E-06	9.44E-03	1.02E-01	0.00E+00	1.84E-03	2.00E-10	2.07E-09	1.51E-02	2.04E-03	0.00E+00	0.00E+00	7.11E-04	2.29E-01	1.00E+02	0.00E+00	1.11E-08	1.93E-07	2.98E-02	1.91E-04	1.13E-01	0.00E+00	9.63E-01	2.77E-07	9.76E+01	9.59E-01	1.22E-01	0.00E+00	0.00E+00	0.00E+00	2.58E-02
ZAL177	3.23E-02	6.18E+00	3.35E-08	6.10E+00	1.08E-04	0.00E+00	2.20E+01	3.70E-09	1.62E-02	1.74E-01	0.00E+00	3.92E-03	1.99E-10	3.99E-09	3.62E-02	1.90E-03	0.00E+00	0.00E+00	8.49E-04	2.93E-01	9.93E-01	0.00E+00	1.69E-08	2.99E-07	4.49E-02	1.70E-04	1.18E-01	0.00E+00	9.29E-01	4.14E-07	9.29E+01	9.93E-01	1.24E-01	0.00E+00	0.00E+00	0.00E+00	3.70E-02
ZAL52US	3.11E-02	6.03E+00	1.04E-08	6.02E+00	4.04E-07	0.00E+00	9.66E+00	3.12E-04	1.06E-02	1.13E-01	0.00E+00	1.21E-03	1.59E-10	2.89E-09	2.45E-02	5.90E-04	0.00E+00	0.00E+00	5.90E-04	2.17E-01	9.98E-01	0.00E+00	1.19E-08	2.11E-07	2.90E-02	1.94E-04	1.07E-01	0.00E+00	9.74E-01	3.52E-07	9.98E+01	9.97E-01	1.22E-01	0.00E+00	0.00E+00	0.00E+00	3.10E-02
ZAL53US	3.16E-02	6.07E+00	4.91E-08	6.03E+00	1.42E-09	0.00E+00	3.00E+01	4.87E-09	1.11E-02	1.19E-01	0.00E+00	4.18E-03	2.23E-10	4.78E-09	4.47E-02	3.80E-03	0.00E+00	0.00E+00	1.04E-03	2.47E-01	1.91E-02	0.00E+00	2.00E-08	2.21E-07	3.09E-02	1.88E-04	1.20E-01	0.00E+00	1.03E-02	5.41E-07	1.03E+01	1.01E-02	1.24E-01	0.00E+00	0.00E+00	0.00E+00	4.31E-02
ZAL64U	1.40E-02	9.17E+00	3.73E-09	9.17E+00	1.00E+00	0.00E+00	2.87E+02	3.43E-09	2.63E-02	2.88E-02	0.00E+00	3.83E-02	1.90E-09	9.42E-09	3.34E-01	2.02E-03	0.00E+00	0.00E+00	7.68E-03	6.91E-01	1.63E-02	0.00E+00	1.11E-07	1.24E-07	9.31E-03	7.42E-04	5.14E-01	0.00E+00	3.37E-08	1.63E+00	1.63E-02	1.51E-01	0.00E+00	0.00E+00	0.00E+00	3.90E-01	
ZAL72US	3.56E-02	5.59E+00	6.00E-08	5.59E+00	0.00E+00	0.00E+00	2.99E+01	2.10E-08	1.66E-02	1.83E-01	0.00E+00	0.00E+00	9.94E-11	1.90E-09	1.69E-02	3.96E-04	0.00E+00	0.00E+00	0.00E+00	2.99E-01	9.87E-01	0.00E+00	1.65E-08	2.88E-07	4.60E-02	1.40E-04	1.04E-01	0.00E+00	7.81E-02	7.81E+01	7.82E-01	1.04E-01	0.00E+00	0.00E+00	0.00E+00	2.18E-02	
ZAL84U	6.44E-02	1.91E+01	0.00E+00	1.91E+01	0.00E+00	0.00E+00	8.66E+00	3.81E-09	3.02E-02	3.31E-01	0.00E+00	0.00E+00	1.79E-10	3.46E-09	2.48E-02	0.00E+00	0.00E+00	0.00E+00	8.99E-04	3.37E-01	1.42E+00	0.00E+00	1.96E-08	5.29E-07	8.39E-02	2.94E-04	1.89E-01	0.00E+00	1.42E-02	4.93E-07	1.42E+02	1.42E+02	1.89E-01	0.00E+00	0.00E+00	0.00E+00	3.86E-02
ZAX006	3.44E-03	2.18E+00	8.00E-08	2.18E+00	3.29E-04	0.00E+00	6.93E+01	8.13E-09	4.23E-04	6.84E-03	0.00E+00	0.10E-03	4.29E-10	8.13E-09	7.70E-02	9.31E-03	0.00E+00	0.00E+00	1.82E-03	2.02E-01	3.88E-01	0.00E+00	2.84E-08	2.95E-08	2.21E-03	1.60E-04	1.22E-01	0.00E+00	3.88E-01	7.78E-07	3.88E+01	3.88E-01	1.22E-01	0.00E+00	0.00E+00	0.00E+00	7.83E-09
ZAX007	2.98E-02	3.09E+00	0.00E+00	3.09E+00	0.00E+00	0.00E+00	2.00E+00	1.14E-09	9.98E-03	9.94E-02	0.00E+00	0.00E+00	5.36E-11	1.94E-09	7.43E-02	0.00E+00	0.00E+00	0.00E+00	2.73E-04	1.97E-01	4.28E-01	0.00E+00	4.98E-08	1.57E-07	2.31E-02	7.83E-05	5.68E-02	0.00E+00	4.28E-01	1.20E-07	4.28E+01	4.28E-01	5.68E-02	0.00E+00	0.00E+00	0.00E+00	1.18E-02
ZAX009	1.75E-02	2.91E+00	1.35E-08	2.90E+00	4.02E-07	0.00E+00	1.90E+01	2.74E-09	1.58E-02	1.76E-01	0.00E+00	1.16E-03	1.46E-10	2.58E-09	2.06E-02	1.19E-03	0.00E+00	0.00E+00	6.95E-04	1.36E-01	4.28E-01	0.00E+00	1.97E-08	1.24E-07	1.96E-02	9.17E-05	6.78E-02	0.00E+00	4.28E-01	2.69E-07	4.28E+01	4.13E-01	6.78E-02	0.00E+00	0.00E+00	0.00E+00	2.98E-02
ZAX010	1.98E-02	3.49E+00	6.22E-07	3.45E+00	2.87E-07	0.00E+00	6.30E+00	2.22E-09	8.62E-03	7.68E-02	0.00E+00	7.88E-04	1.05E-10	1.98E-09	1.43E-02	8.00E-04	0.00E+00	0.00E+00	5.21E-04	2.13E-01	9.94E-01	0.00E+00	8.30E-09	1.39E-07	2.09E-02	1.82E-04	1.10E-01	0.00E+00	7.79E+00	2.18E-07	7.91E+01	7.93E-01	1.24E-01	0.00E+00	0.00E+00	0.00E+00	2.17E-02
ZAX015	7.31E-03	1.87E+00	3.58E-08	1.89E+00	1.24E-09	0.00E+00	2.81E+01	3.89E-09	4.34E-03	4.54E-02	0.00E+00	2.92E-03	1.73E-10	3.60E-09	3.91E-02	2.91E-03	0.00E+00	0.00E+00	6.78E-04	9.33E-02	2.23E-01	0.00E+00	1.20E-09	4.72E-09	9.38E-03	6.89E-03	6.41E-02	0.00E+00	2.24E-01	4.16E-07	2.24E+01	2.25E-01	4.53E-02	0.00E+00	0.00E+00	0.00E+00	3.93E-03
ZAX016	8.90E-03	1.60E+00	1.47E-05	1.57E+00	5.40E-04	0.00E+00	9.88E+01	1.39E-05	4.26E-03	4.47E-02	0.00E+00	1.26E-02	5.82E-10	1.22E-08	1.22E-01	1.31E-02	0.00E+00	0.00E+00	2.61E-03	2.26E-01	2.62E-01	0.00E+00	4.18E-08	5.94E-08	9.80E-02	1.78E-04	1.54E-01	0.00E+00	2.69E-01	1.25E-08	2.61E+01	2.63E-01	1.19E-01	0.00E+00	0.00E+00	0.00E+00	1.14E-01
ZAX021F	8.20E-03	1.91E+00	3.93E-08	1.95E+00	1.22E-09	0.00E+00	2.60E+01	3.88E-09	4.97E-03	4.93E-02	0.00E+00	2.99E-03	1.79E-10	3.84E-09	3.59E-02	2.02E-03	0.00E+00	0.00E+00	6.83E-04	8.89E-02	2.53E-01	0.00E+00	1.19E-08	5.83E-08	1.04E-02	7.79E-05	6.89E-02	0.00E+00	2.69E-01	4.19E-07	2.62E+01	2.63E-01	5.85E-02	0.00E+00	0.00E+00	0.00E+00	3.49E-02
ZAX021HAA	8.05E-03	1.81E+00	6.93E-08	1.84E+00	1.00E+00	0.00E+00	2.99E+01	4.69E-09	4.97E-04	4.96E-02	0.00E+00	3.96E-03	1.79E-10	2.94E-09	2.44E-02	2.96E-03	0.00E+00	0.00E+00	8.51E-04	1.05E-01	4.56E-01	0.00E+00	1.96E-08	5.93E-08	1.04E-02	7.71E-05	7.19E-02	0.00E+00	2.69E-01	4.56E-07	2.54E+01	2.54E-01	5.85E-02	0.00E+00	0.00E+00	0.00E+00	3.43E-02
ZAX022F	1.91E-02	2.21E+00	1.47E-05	2.29E+00	5.38E-04	0.00E+00	9.92E+01	1.48E-05	4.36E-03	4.81E-02	0.00E+00	1.28E-02	6.87E-10	1.36E-08	1.23E-01	1.32E-02	0.00E+00	0.00E+00	2.99E-03	2.83E-01	3.02E-01	0.00E+00	4.95E-08	6.14E-08	1.03E-02	2.18E-04	1.78E-01	0.00E+00	3.89E-01	1.40E-08	3.89E+01	3.89E-01	1.43E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-01
ZAX022HAA	8.86E-03	1.90E+00	1.49E-05	1.89E+00	5.93E-04	0.00E+00	1.02E+02	1.43E-05	4.95E-03	4.41E-02	0.00E+00	1.29E-02	6.14E-10	1.33E-08	1.34E-01	1.36E-02	0.00E+00	0.00E+00	2.81E-03	2.44E-01	2.71E-01	0.00E+00	4.80E-08	6.02E-08	1.03E-02	1.86E-04	1.64E-01	0.00E+00	2.89E-01	1.33E-08	2.72E+01	2.78E-01	1.29E-01	0.00E+00	0.00E+00	0.00E+00	1.14E-01
ZAX031	2.65E-02	6.97E+00	2.79E-08	5.91E+00	1.52E-04	0.00E+00	2.64E+01	4.88E-09	1.38E-02	1.44E-01	0.00E+00	3.15E-03	1.97E-10	4.93E-09	4.24E-02	3.50E-03	0.00E+00	0.00E+00	9.04E-04	2.38E-01	7.83E-01	0.00E+00	1.84E-08	2.39E-07	3.88E-02	1.72E-04	1.17E-01	0.00E+00	7.99E+00	4.49E-07	7.99E+01	8.13E-01	1.32E-01	0.00E+00	0.00E+00	0.00E+00	3.98E-02
ZAX032	2.90E-02	3.39E+00	1.45E-08	3.32E+00	5.79E-09	0.00E+00	1.00E+02	1.42E-09	7.47E-03	8.34E-02	0.00E+00	1.28E-02	6.29E-10	1.33E-09	1.33E-01	1.36E-02	0.00E+00	0.00E+00	2.85E-03	2.91E-01	4.94E-01	0.00E+00	4.71E-08	1.37E-07	2.91E-02	2.14E-04	1.79E-01	0.00E+00	4.99E+00	1.35E-08	4.19E+01	4.37E-01	1.54E-01	0.00E+00	0.00E+00	0.00E+00	1.16E-01
ZAX135	1.68E-02	4.98E+00	2.49E-08	4.98E+00	1.00E+00	0.00E+00	2.29E+01	4.38E-09	6.79E-03	6.79E-02	0.00E+00	3.96E-03	2.91E-10	4.24E-09	3.96E-02	1.89E-03	0.00E+00	0.00E+00	9.87E-04	1.87E-01	4.87E-01	0.00E+00	1.65E-08	4.88E-07	1.86E-02	1.77E-04	1.11E-01	0.00E+00	8.79E-01	4.88E-07	8.80E+01	8.71E-01	1.25E-01	0.00E+00	0.00E+00	0.00E+00	4.27E-02
ZAY40873	1.23E-03	3.86E-02	1.79E-07	3.99E-02	3.99E-04	0.00E+00	1.17E+00	1.44E-07	1.32E-03	1.93E-02	0.00E+00	1.28E-04	7.41E-12	1.98E-10	1.37E-03	1.85E-04	0.00E+00	0.00E+00	3.48E-03	3.93E-09	7.48E-01	0.00E+00	8.39E-10	1.11E-09	2.42E-03	3.18E-06	2.49E-03	0.00E+00	7.19E-01	2.30E-08	7.48E-01	7.67E-01	3.03E-03	0.00E+00	0.00E+00	0.00E+00	2.58E-03
ZAY43902	1.07E-04	3.33E-02	1.48E-07	3.46E-02	5.21E-04	0.00E+00	1.01E+00	1.32E-07	1.34E-04	1.47E-03	0.00E+00	1.18E-04	7.16E-12	1.45E-10	1.09E-03	1.26E-04	0.00E+00	0.00E+00	3.14E-03	3.99E-03	8.80E-01	0.00E+00	8.00E-10	1.07E-09	1.84E-04	3.00E-06	2.27E-03	0.00E+00	6.00E-01	2.21E-08	8.23E-01	6.99E-01	3.07E-03	0.00E+00	0.00E+00	0.00E+00	2.94E-03
ZAY450AT	1.39E-03	2.98E-01	0.00E+00	2.98E-01	0.00E+00	0.00E+00	1.33E-01	7.79E-09	6.13E-04	6.73E-03	0.00E+00	0.00E+00	3.83E-12	7.03E-11	5.03E-04	0.00E+00	0.00E+00	0.00E+00	1.83E-01	7.25E-03	2.88E+00	0.00E+00	3.17E-10	1.08E-08	1.79E-03	5.17E-09	3.85E-03	0.00E+00	1.88E+00	8.14E-09	2.88E+02	2.88E+00	3.85E-03	0.00E+00	0.00E+00	0.00E+00	7.88E-04
ZAY47435M	5.96E-03	7.14E-01	8.01E-07	7.27E-01	4.64E-07	0.00E+00	1.93E+00	1.38E-07	1.93E+00	1.42E-07	0.00E+00	1.42E-07	1.42E-10	3.59E-09	3.96E-02	1.86E-03	0.00E+00	0.00E+00	9.59E-04	4.62E-03	1.17E-01	0.00E+00	1.50E-08	3.39E-08	4.69E-03	6.99E-05	4.59E-02	0.00E+00	1.10E+00	1.45E-07	1.14E+01	1.13E-01	2.54E-02	0.00E+00	0.00E+00	0.00E+00	1.98E-04
ZAY47436M	5.86E-03	7.41E-01	2.88E-06	7.27E-01	1.21E-04	0.00E+00	2.81E+01	3.27E-09	2.89E-03	3.24E-02	0.00E+00	3.50E-03	2.45E-10	4.13E-09	2.15E-02	1.86E-03	0.00E+00	0.00E+00	9.29E-04	1.08E-01	1.14E-01	0.00E+00	1.28E-08	3.49E-08	4.59E-03	1.19E-04	7.35E-02	0.00E+00	1.28E-01	2.67E-07	1.29E+01	1.37E-01	3.85E-02	0.00E+00	0.00E+00	0.00E+00	1.98E-02
ZAY47901	3.																																				

ZAY8893	5.64E-01	8.13E-01	1.45E-00	7.94E-01	6.03E-07	0.00E+00	9.38E-00	9.00E-07	1.02E-03	2.06E-02	0.00E+00	1.50E-03	4.54E-11	8.96E-10	8.89E-03	1.86E-03	0.00E+00	0.00E+00	2.17E-04	4.26E-02	1.09E-01	0.00E+00	2.62E-00	3.91E-00	3.10E-02	4.36E-05	3.34E-02	0.00E+00	1.22E-01	9.24E-00	1.22E-01	1.23E-01	2.59E-02	0.00E+00	0.00E+00	0.00E+00	1.15E-02
ZAY90268	1.59E-02	6.81E-01	8.48E-07	8.62E-01	3.26E-07	0.00E+00	7.44E-00	1.03E-00	1.52E-03	1.89E-02	0.00E+00	8.82E-04	5.38E-11	1.07E-00	9.88E-03	9.76E-04	0.00E+00	0.00E+00	2.44E-04	4.12E-02	9.92E-00	0.00E+00	3.88E-00	2.89E-00	3.04E-02	3.41E-05	2.58E-02	0.00E+00	1.02E-01	8.79E-00	1.07E-01	9.95E-00	2.44E-02	0.00E+00	0.00E+00	0.00E+00	1.33E-02
ZAY90267	4.80E-03	7.62E-01	1.16E-07	7.64E-01	1.92E-07	0.00E+00	3.79E-00	7.11E-07	1.97E-03	2.19E-02	0.00E+00	4.51E-04	3.36E-11	8.88E-10	8.04E-03	5.11E-04	0.00E+00	0.00E+00	1.74E-04	4.09E-02	9.94E-00	0.00E+00	2.43E-00	3.73E-00	3.98E-02	3.94E-05	2.79E-02	0.00E+00	1.03E-01	7.64E-00	1.02E-01	1.07E-01	2.44E-02	0.00E+00	0.00E+00	0.00E+00	1.12E-02
ZAY90271	3.77E-03	1.52E+00	2.10E-08	1.47E+00	8.08E-07	0.00E+00	1.29E+01	2.69E-08	2.45E-03	2.89E-02	0.00E+00	1.24E-03	8.83E-11	1.92E-09	1.43E-02	9.19E-04	0.00E+00	0.00E+00	4.34E-04	7.22E-02	2.35E-01	0.00E+00	8.22E-00	4.61E-00	6.85E-03	7.24E-05	5.65E-02	0.00E+00	2.38E-01	1.88E-07	2.43E-01	2.31E-01	5.17E-02	0.00E+00	0.00E+00	0.00E+00	1.88E-02
ZAY90272	5.14E-03	2.31E+00	2.29E+00	2.39E+00	9.81E-07	0.00E+00	1.48E+01	4.04E-08	2.43E-03	2.93E-02	0.00E+00	1.58E-03	1.93E+00	9.82E-09	2.88E-02	1.32E-03	0.00E+00	0.00E+00	8.77E-04	1.12E-01	3.90E-01	0.00E+00	3.98E+00	4.93E-00	7.04E-02	7.54E-05	9.05E-02	0.00E+00	3.43E-01	3.76E-07	3.43E-01	3.46E-01	7.45E-02	0.00E+00	0.00E+00	0.00E+00	3.72E-02
ZAY90274	4.46E-03	7.13E-01	4.98E-07	7.09E-01	2.90E-07	0.00E+00	3.78E-00	8.61E-08	1.86E-03	2.19E-02	0.00E+00	4.14E-04	3.93E-11	7.78E-10	6.99E-03	4.75E-04	0.00E+00	0.00E+00	1.40E-04	4.16E-02	9.96E+00	0.00E+00	2.68E-03	3.93E-00	2.64E-02	4.10E-05	3.18E-02	0.00E+00	9.87E-00	9.86E-00	9.87E-00	2.52E-02	0.00E+00	0.00E+00	0.00E+00	1.10E-02	
ZAY90275	5.34E-03	9.79E-01	5.02E-07	9.53E-01	2.43E-07	0.00E+00	4.37E-00	8.53E-07	1.77E-03	1.90E-02	0.00E+00	9.43E-04	4.36E-11	8.89E-10	8.75E-03	5.22E-04	0.00E+00	0.00E+00	2.04E-04	4.20E-02	1.47E-01	0.00E+00	2.80E-00	3.61E-00	4.46E-02	4.98E-05	3.13E-02	0.00E+00	1.38E-01	7.85E-00	1.38E-01	1.43E-01	2.48E-02	0.00E+00	0.00E+00	0.00E+00	1.13E-02
ZAY95000	2.87E-04	6.23E-02	1.78E-07	6.58E-02	6.89E-08	0.00E+00	1.19E+00	1.41E-07	1.72E-04	2.32E-03	0.00E+00	2.16E-04	7.27E-10	1.43E-10	1.06E-03	1.95E-04	0.00E+00	0.00E+00	3.91E-05	4.26E-03	1.07E+00	0.00E+00	6.90E-13	2.41E-00	4.81E-04	4.07E-08	2.98E-03	0.00E+00	5.95E-01	2.38E-00	9.94E-01	1.00E+00	3.49E-03	0.00E+00	0.00E+00	0.00E+00	2.78E-03
ZAY95029	2.18E-04	1.24E-01	2.81E-07	1.21E-01	8.79E-08	0.00E+00	2.23E+00	3.27E-07	2.38E-04	2.44E-03	0.00E+00	3.79E-04	1.74E-10	1.43E-10	3.44E-03	4.30E-04	0.00E+00	0.00E+00	8.48E-05	1.25E-03	3.52E+00	0.00E+00	1.22E-00	2.75E-00	6.77E-04	7.99E-08	6.52E-03	0.00E+00	2.93E+00	4.53E-03	3.16E-01	2.98E+00	6.44E-03	0.00E+00	0.00E+00	0.00E+00	3.93E-03
ZAY98333	3.99E-04	1.17E-01	2.64E-07	1.17E-01	8.79E-08	0.00E+00	2.23E+00	3.27E-07	2.38E-04	2.44E-03	0.00E+00	3.79E-04	1.12E-10	2.51E-09	3.44E-03	4.30E-04	0.00E+00	0.00E+00	3.96E-04	3.11E-03	2.52E+00	0.00E+00	1.22E-00	2.75E-00	6.77E-04	7.99E-08	6.52E-03	0.00E+00	2.93E+00	4.53E-03	3.16E-01	2.98E+00	6.44E-03	0.00E+00	0.00E+00	0.00E+00	2.91E-02
B04603	2.62E-03	1.17E+00	2.18E-01	9.30E-01	0.00E+00	0.00E+00	1.35E+01	1.29E-05	1.25E-03	7.76E-02	0.00E+00	2.29E-02	1.03E-07	3.03E-09	1.42E-01	2.50E-03	8.02E-02	3.54E-03	1.65E-03	3.90E-07	9.93E+00	0.00E+00	1.20E-00	1.56E-00	1.81E-03	4.65E-05	1.19E+00	0.00E+00	8.93E+00	2.30E-00	8.93E+00	1.07E-01	1.19E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-02
B04581	1.30E-04	8.77E-02	1.94E-02	4.63E-02	5.77E-11	0.00E+00	6.52E-01	6.37E-07	8.63E-09	3.87E-04	0.00E+00	1.15E-03	4.98E-09	1.46E-10	8.10E-03	1.22E-04	4.11E-09	6.67E-03	1.15E-04	1.91E-09	4.47E-01	0.00E+00	6.14E-10	7.87E-10	9.02E-03	2.42E-09	5.88E-02	0.00E+00	4.47E-01	1.11E-00	4.47E-01	5.06E-01	5.88E-02	0.00E+00	0.00E+00	0.00E+00	3.86E-03
B04582	1.45E-04	7.56E-02	2.16E-02	5.49E-02	6.40E-11	0.00E+00	7.27E-01	7.11E-07	8.76E-05	4.32E-04	0.00E+00	1.26E-03	5.55E-09	1.63E-10	8.02E-03	1.36E-04	4.61E-03	7.42E-03	1.22E-04	2.14E-02	4.96E-01	0.00E+00	6.84E-10	8.78E-10	1.07E-04	2.71E-09	6.66E-02	0.00E+00	4.98E-01	1.24E-00	4.98E-01	5.84E-01	6.66E-02	0.00E+00	0.00E+00	0.00E+00	4.06E-03
B04583	1.89E-04	8.79E-02	2.38E-02	6.32E-02	6.78E-11	0.00E+00	8.36E-01	8.22E-07	7.77E-05	4.97E-04	0.00E+00	1.53E-03	6.36E-09	1.88E-10	1.07E-02	1.75E-04	5.68E-03	8.67E-03	1.43E-04	2.94E-02	5.74E-01	0.00E+00	7.78E-10	1.07E-09	1.19E-04	3.13E-09	7.62E-02	0.00E+00	5.73E-01	1.47E-00	5.73E-01	6.59E-01	7.62E-02	0.00E+00	0.00E+00	0.00E+00	4.79E-03
B04584	1.85E-04	9.44E-02	2.35E-02	6.31E-02	7.00E-11	0.00E+00	9.07E-01	8.90E-07	8.07E-05	4.93E-04	0.00E+00	1.67E-03	6.86E-09	2.04E-10	1.05E-02	1.56E-04	5.78E-03	8.81E-03	1.55E-04	2.79E-02	5.28E-01	0.00E+00	7.81E-10	1.07E-09	1.29E-04	3.16E-09	7.62E-02	0.00E+00	5.72E-01	1.51E-00	5.72E-01	6.52E-01	7.62E-02	0.00E+00	0.00E+00	0.00E+00	5.23E-03
B04585	1.82E-04	9.40E-02	2.45E-02	6.31E-02	6.82E-11	0.00E+00	9.01E-01	8.89E-07	8.38E-05	5.38E-04	0.00E+00	1.68E-03	6.84E-09	2.03E-10	1.07E-02	1.71E-04	6.41E-03	8.35E-03	1.55E-04	2.79E-02	6.19E-01	0.00E+00	8.32E-10	1.09E-09	1.29E-04	3.40E-09	8.28E-02	0.00E+00	6.18E-01	1.62E-00	6.18E-01	7.01E-01	8.28E-02	0.00E+00	0.00E+00	0.00E+00	5.24E-03
B04586	2.36E-04	1.23E-01	3.85E-02	8.71E-02	1.19E-10	0.00E+00	1.27E+00	1.17E-08	1.12E-04	7.16E-04	0.00E+00	2.05E-03	9.24E-09	2.69E-10	1.55E-02	2.32E-04	6.83E-03	1.33E-02	1.99E-04	3.38E-03	8.27E-01	0.00E+00	1.15E-00	1.45E-00	1.67E-04	4.44E-09	1.07E-01	0.00E+00	8.27E-01	1.98E-00	8.27E-01	8.34E-01	1.07E-01	0.00E+00	0.00E+00	0.00E+00	6.58E-03
B04587	3.99E-04	2.09E-01	6.34E-02	1.45E-01	1.99E-10	0.00E+00	2.01E+00	1.95E-08	1.87E-04	1.19E-03	0.00E+00	3.41E-03	1.54E-08	4.46E-10	2.59E-02	3.72E-04	1.14E-02	2.22E-02	3.31E-04	5.83E-02	1.38E+00	0.00E+00	1.93E-00	2.42E-00	2.79E-04	7.41E-09	1.79E-01	0.00E+00	1.38E+00	3.29E-00	1.38E+00	1.98E+00	1.79E-01	0.00E+00	0.00E+00	0.00E+00	1.10E-02
B04588	5.89E-04	3.07E-01	9.33E-02	2.15E-01	2.93E-10	0.00E+00	2.98E+00	2.87E-08	2.74E-04	1.76E-03	0.00E+00	5.61E-03	2.27E-08	6.66E-10	3.89E-02	5.67E-04	1.87E-02	3.26E-02	4.87E-04	8.27E-02	2.03E+00	0.00E+00	2.83E-00	3.59E-00	4.05E-04	1.09E-09	2.63E-01	0.00E+00	2.93E+00	4.84E-00	2.93E+00	2.92E+00	2.63E-01	0.00E+00	0.00E+00	0.00E+00	1.61E-02
B04589	7.49E-04	3.92E-01	1.27E-01	2.79E-01	3.79E-10	0.00E+00	3.78E+00	3.67E-08	3.31E-04	2.36E-03	0.00E+00	6.14E-03	2.90E-08	8.43E-10	4.88E-02	6.92E-04	2.14E-02	4.16E-02	6.22E-04	1.08E-02	2.96E+00	0.00E+00	3.62E-00	4.59E-00	5.22E-04	1.39E-09	3.38E-01	0.00E+00	2.99E+00	5.16E-00	2.99E+00	2.92E+00	3.38E-01	0.00E+00	0.00E+00	2.06E-02	
B04590	9.18E-04	4.89E-01	1.49E-01	3.34E-01	4.56E-10	0.00E+00	4.63E+00	4.49E-08	4.26E-04	2.75E-03	0.00E+00	7.88E-03	3.93E-08	1.03E-09	5.94E-02	8.37E-04	2.63E-02	5.09E-02	7.82E-04	1.39E-01	3.17E+00	0.00E+00	4.43E-00	5.57E-00	6.49E-04	1.76E-09	4.12E-01	0.00E+00	3.17E+00	7.58E-00	3.17E+00	3.98E+00	4.12E-01	0.00E+00	0.00E+00	0.00E+00	2.52E-02
B04591	1.29E-03	6.54E-01	1.99E-01	4.58E-01	6.21E-10	0.00E+00	6.32E+00	6.13E-08	5.89E-04	3.75E-03	0.00E+00	1.07E-02	4.84E-08	1.41E-09	8.11E-02	1.17E-03	3.58E-02	9.94E-02	1.04E-03	1.77E-01	4.33E+00	0.00E+00	6.94E-00	7.59E-00	8.73E-04	2.32E-09	5.61E-01	0.00E+00	4.32E+00	1.03E-00	4.32E+00	4.89E+00	5.61E-01	0.00E+00	0.00E+00	0.00E+00	3.44E-02
B04593	8.50E-03	4.43E-02	1.28E-02	3.14E-02	3.71E-11	0.00E+00	4.27E-01	4.18E-07	3.98E-05	2.33E-04	0.00E+00	7.49E-04	3.26E-09	9.54E-11	5.34E-03	7.96E-05	2.93E-03	4.44E-03	7.14E-05	1.24E-02	2.83E-01	0.00E+00	4.03E-10	5.14E-10	5.93E-05	1.98E-09	3.84E-02	0.00E+00	2.92E-01	7.22E-10	2.92E-01	3.31E-01	3.84E-02	0.00E+00	0.00E+00	0.00E+00	2.98E-03
B04594	1.55E-04	8.09E-02	2.52E-02	5.73E-02	7.22E-11	0.00E+00	7.86E-01	7.60E-07	8.75E-05	4.36E-04	0.00E+00	1.38E-03	5.96E-09	1.74E-10	1.05E-02	1.36E-04	4.78E-03	8.23E-03	1.36E-04	2.24E-03	5.58E-01	0.00E+00	7.39E-10	9.45E-10	1.08E-04	2.89E-09	6.99E-02	0.00E+00	9.34E-01	1.31E-00	9.34E-01	6.94E-01	6.99E-02	0.00E+00	0.00E+00	0.00E+00	4.32E-03
B04595	1.23E-04	6.41E-02	1.79E-02	4.62E-02	5.21E-11	0.00E+00	6.17E-01	6.04E-07	5.74E-05	3.86E-04	0.00E+00	1.11E-03	4.75E-09	1.38E-10	7.55E-03	1.16E-04	4.04E-03	6.12E-03	1.04E-04	1.84E-02	4.23E-01	0.00E+00	5.77E-10	7.45E-10	8.53E-05	2.30E-09	5.99E-02	0.00E+00	4.23E-01	1.07E-00	4.23E-01	4.79E-01	5.99E-02	0.00E+00	0.		

B04781	1.286-04	6.686-02	1.986-02	4.766-02	6.046-11	0.006+00	6.446-01	6.276-07	5.086+05	3.832-04	0.006+00	1.126+03	4.936-09	1.446+10	8.146+03	1.266-04	3.846+03	6.856+03	1.076-04	1.846-02	4.416-01	0.006+00	6.126+10	7.786+10	8.916+05	2.386+06	5.766-02	0.006+00	4.416-01	1.086+09	4.416-01	4.996+01	5.766-02	0.006+00	0.006+00	0.006+00	3.966+03		
B04782	1.556-04	8.056-03	2.326-02	5.736-02	6.936-11	0.006+00	7.756-01	7.576-07	7.196+05	4.806-04	0.006+00	1.376+03	5.926-09	1.736+10	9.036+03	1.456-04	4.846+03	7.886+03	1.306-04	2.266-02	5.316-01	0.006+00	7.316+10	9.396+10	1.076-04	2.886+06	6.886-02	0.006+00	5.316-01	1.326+09	5.316-01	6.016+01	6.886-02	0.006+00	0.006+00	0.006+00	4.336+03		
B04790	1.666-04	8.846-02	2.686-02	6.166-02	8.386-11	0.006+00	8.546-01	8.236-07	7.916+05	5.066-04	0.006+00	1.456+03	6.546-09	1.906+10	1.066-02	1.566-04	4.866+03	9.356+03	1.416-04	2.396-02	5.856-01	0.006+00	8.166+10	1.036+09	1.186-04	3.146+06	7.596-02	0.006+00	5.846-01	1.406+09	5.846-01	6.806+01	7.596-02	0.006+00	0.006+00	0.006+00	4.806+03		
B04792	4.006-04	2.066-01	6.406-02	1.406-01	2.016+10	0.006+00	2.026+01	1.986+09	1.876-04	1.206+03	0.006+00	3.416+03	1.936-09	4.306+10	2.606-02	3.676-04	1.136-02	2.246-02	3.316-04	9.026-03	1.386+00	0.006+00	1.906+09	2.436+09	2.796-04	7.416+09	1.796-01	0.006+00	1.386+00	3.296+09	1.386+00	1.986+09	1.796-01	0.006+00	0.006+00	0.006+00	1.106+02		
B04794	3.876-04	2.026-01	6.076-02	1.476-01	2.036+10	0.006+00	1.996+00	1.936+09	1.817-04	1.206+03	0.006+00	3.316+03	1.496+09	4.246+10	2.466-02	3.676-04	1.136-02	2.126-02	3.326-04	9.006-03	1.386+00	0.006+00	1.886+09	2.346+09	2.696-04	7.416+09	1.746-01	0.006+00	1.326+00	3.216+09	1.326+00	1.916+09	1.746-01	0.006+00	0.006+00	0.006+00	1.076+02		
B04795	8.166+05	4.276-02	2.666-02	2.986-02	4.836-11	0.006+00	5.426-01	4.006+07	3.906+05	2.166-04	0.006+00	7.026-04	3.166+09	8.166-11	5.266-02	7.806+06	2.366+03	4.516+03	6.806+05	1.166-02	2.606-02	0.006+00	3.946+10	4.966+10	5.766+05	1.626+06	3.676-02	0.006+00	3.836+01	9.646+09	3.916+01	9.646+09	3.916+01	9.646+09	3.676-02	0.006+00	0.006+00	0.006+00	2.266+03
B04797	5.036-04	2.636-01	8.136-02	1.806-01	2.586+10	0.006+00	2.546+00	2.466+09	2.366-04	1.516+03	0.006+00	4.266+03	1.906-09	5.866+10	3.266-02	4.866-04	1.366-02	2.856-02	4.166-04	7.026-03	1.746+00	0.006+00	2.446+09	3.056+09	3.016-04	9.306+09	2.256-01	0.006+00	1.746+00	4.116+09	1.746+00	1.976+09	2.256-01	0.006+00	0.006+00	0.006+00	1.376+02		
B04799	4.806-04	2.576-01	7.886-02	1.766-01	2.486+10	0.006+00	2.486+00	2.416+09	2.306-04	1.476+03	0.006+00	4.166+03	1.916-09	5.536+10	3.206-02	4.566-04	1.366+02	2.766-02	4.066-04	6.916+03	1.706+00	0.006+00	2.366+09	2.996+09	3.436-04	9.136+09	2.206-01	0.006+00	1.706+00	4.046+09	1.706+00	1.906+09	2.206-01	0.006+00	0.006+00	0.006+00	1.366+02		
FL31S	1.906+05	8.946+03	2.326-02	1.336-02	3.586-11	0.006+00	6.506-02	2.986+09	6.466+09	4.186+03	0.006+00	4.266-04	3.506+10	1.816-11	9.316-04	2.106+05	9.076+03	2.506+03	2.506+01	7.436+09	4.866-02	0.006+00	9.106+10	6.866-11	8.936-04	4.116-07	1.146-02	0.006+00	4.736-02	4.866+10	4.736-02	5.866-02	1.146-02	0.006+00	0.006+00	0.006+00	1.946+03		
FL32S	5.406+06	8.736+03	2.676-02	1.766-02	3.146+11	0.006+00	1.226+01	2.986+09	6.346+05	6.766+03	0.006+00	4.766+03	1.466+09	3.216-11	1.936-04	2.566+05	1.406+03	2.566+03	2.566+01	7.436+09	4.866-02	0.006+00	9.106+10	6.866-11	8.936-04	4.116-07	1.146-02	0.006+00	4.736-02	4.866+10	4.736-02	5.866-02	1.146-02	0.006+00	0.006+00	0.006+00	1.946+03		
FL32SP	6.266+03	2.826+00	5.176-01	2.306+00	0.006+00	0.006+00	3.226+01	3.066+05	3.976+03	1.836-02	0.006+00	5.456-02	2.466-07	7.216+09	3.446-01	5.946+03	2.026+01	2.056-02	4.016+03	9.306+01	2.146-01	0.006+00	2.876+09	3.796+09	4.336+03	1.126-04	2.886+03	0.006+00	2.146+01	5.266+09	2.146+01	2.426+01	2.886+03	0.006+00	0.006+00	0.006+00	1.726+01		
FL32SPX01	7.386-04	3.816-01	8.946-02	2.846-01	2.936+10	0.006+00	3.656+00	3.816+09	3.366-04	2.176+03	0.006+00	6.886+03	2.766+09	8.226+10	4.246-02	6.976-04	2.746-02	2.216-02	6.366-04	1.166-01	2.516+00	0.006+00	3.326+09	4.426+09	5.066-04	1.266+09	3.366-01	0.006+00	2.506+09	6.726+09	2.506+09	2.846+09	3.366-01	0.006+00	0.006+00	0.006+00	2.166+03		
FL33S	2.626-04	1.266-01	9.246-03	1.266-01	4.596-11	0.006+00	1.266+00	1.266+09	1.136-04	7.236-04	0.006+00	3.266+03	8.636+09	2.826+10	8.576+03	2.976-04	1.736-02	7.586-04	2.526-04	5.546-02	8.366-01	0.006+00	9.066+10	1.526+09	1.666-04	5.066+06	1.266-01	0.006+00	8.336+01	3.136+09	8.336+01	9.626+01	1.266-01	0.006+00	0.006+00	0.006+00	9.166+03		
FL52S	6.776+03	5.596+00	3.056+00	2.506+00	1.556+09	0.006+00	3.256+01	3.096+05	3.126+03	2.026-02	0.006+00	6.326-02	2.446+07	6.966+09	3.076-01	6.366+03	1.856-02	1.666+00	1.486+02	8.306+01	2.276-01	0.006+00	3.066+09	3.946+09	4.716+03	1.436-04	3.026+00	0.006+00	2.276+01	1.116-07	2.276+01	2.516+01	3.026+00	0.006+00	0.006+00	0.006+00	1.966+01		
FL52SP	6.776+03	5.596+00	3.056+00	2.506+00	1.556+09	0.006+00	3.256+01	3.096+05	3.126+03	2.026-02	0.006+00	6.326-02	2.446+07	6.966+09	3.076-01	6.366+03	1.856-02	1.666+00	1.486+02	8.306+01	2.276-01	0.006+00	3.066+09	3.946+09	4.716+03	1.436-04	3.026+00	0.006+00	2.276+01	1.116-07	2.276+01	2.516+01	3.026+00	0.006+00	0.006+00	0.006+00	1.966+01		
FL53S	7.936+03	3.966+00	6.566+01	2.906+00	0.006+00	0.006+00	4.066+01	3.916+05	3.766+03	2.336-02	0.006+00	6.906-02	3.126+07	9.146+09	4.336-01	7.546+03	2.916+01	2.056-02	5.056+03	1.196+00	2.716+01	0.006+00	3.946+09	4.746+09	5.486+03	1.416-04	3.626+00	0.006+00	2.716+01	6.886+09	2.716+01	3.076+01	3.626+00	0.006+00	0.006+00	0.006+00	2.176+01		
FL72S	8.366+03	3.726+00	6.876+01	3.046+00	0.006+00	0.006+00	4.276+01	4.106+05	3.946+03	2.466-02	0.006+00	7.236-02	3.266+07	9.576+09	4.536-01	7.906+03	2.626+01	2.056-02	5.266+03	1.126+00	2.836+01	0.006+00	3.816+09	4.966+09	5.746+03	1.466-04	3.766+00	0.006+00	2.836+01	6.966+09	2.836+01	3.276+01	3.766+00	0.006+00	0.006+00	0.006+00	2.276+01		
FL72SP	8.366+03	3.726+00	6.876+01	3.046+00	0.006+00	0.006+00	4.276+01	4.106+05	3.946+03	2.466-02	0.006+00	7.236-02	3.266+07	9.576+09	4.536-01	7.906+03	2.626+01	2.056-02	5.266+03	1.126+00	2.836+01	0.006+00	3.816+09	4.966+09	5.746+03	1.466-04	3.766+00	0.006+00	2.836+01	6.966+09	2.836+01	3.276+01	3.766+00	0.006+00	0.006+00	0.006+00	2.276+01		
FL74S	1.106-02	5.136+00	9.526-01	4.166+00	0.006+00	0.006+00	5.526+01	5.666+05	5.456+03	3.406-02	0.006+00	1.066+01	4.526+07	1.326+09	6.226-01	1.066-02	3.566+01	2.056-02	7.266+03	1.726+09	3.916+01	0.006+00	5.276+09	6.856+09	7.946+03	2.046-04	5.236+00	0.006+00	3.916+01	9.646+09	3.916+01	4.446+01	5.236+00	0.006+00	0.006+00	0.006+00	3.126+01		
FL74SP	1.106-02	5.136+00	9.526-01	4.166+00	0.006+00	0.006+00	5.526+01	5.666+05	5.456+03	3.406-02	0.006+00	1.066+01	4.526+07	1.326+09	6.226-01	1.066-02	3.566+01	2.056-02	7.266+03	1.726+09	3.916+01	0.006+00	5.276+09	6.856+09	7.946+03	2.046-04	5.236+00	0.006+00	3.916+01	9.646+09	3.916+01	4.446+01	5.236+00	0.006+00	0.006+00	0.006+00	3.126+01		
SX021F	2.876+09	1.976-02	2.976-02	5.266+03	1.266+10	0.006+00	2.276+01	1.416+07	1.946+05	1.236-04	0.006+00	4.006-04	2.066+09	4.026-11	7.186+03	1.876+05	3.596+03	1.036-02	1.236+09	7.636+09	1.416-01	0.006+00	3.646+10	2.196+10	2.306+03	3.906+07	8.836+03	0.006+00	1.446+01	3.806+10	1.446+01	1.506+01	8.836+03	0.006+00	0.006+00	0.006+00	4.766+04		
SY75539	3.526-04	1.816-01	4.366-02	1.376-01	1.106+10	0.006+00	1.736+00	1.726+09	1.616-04	1.036+03	0.006+00	3.366+03	1.316+09	3.916+10	1.976-02	3.356+04	1.376-02	1.446-02	3.066-04	5.656+03	1.196+00	0.006+00	1.576+09	2.116+09	2.466+06	6.816+06	1.626-01	0.006+00	1.196+00	3.266+09	1.196+00	1.306+09	1.626-01	0.006+00	0.006+00	0.006+00	1.946+02		
SY75546	2.906-04	1.486-01	3.366-02	1.136-01	7.806-11	0.006+00	1.426+00	1.426+09	1.326-04	8.496-04	0.006+00	2.886+03	1.076+09	3.216+10	1.566-02	2.546-04	4.766+03	9.776+01	1.976+04	1.976+09	1.276+09	1.736+09	1.976+09	3.476+09	1.346+01	1.976+09	8.736+01	1.116+09	1.346+01	8.736+01	1.116+09	1.346+01	0.006+00	0.006+00	0.006+00	8.716+03			
SY75547	3.746-04	1.916-01	4.166-02	1.136+00	1.086+11	0.006+00	1.826+00	1.836+09	1.766+03	1.366+09	0.006+00	3.766+03	1.366+09	3.416+10	1.566-02	2.566-04	4.766+03	1.126+02	3.356+04	3.656+03	1.266+00	1.976+09	2.136+09	2.536+09	2.746+09	1.746+01	1.976+09	1.236+09	3.626+09	1.236+09	1.436+09	1.746+01	0.006+00	0.006+00	0.006+00	1.146+02			
SY75549	3.106+03	1.626+00	4.866+01	1.136+00	1.526+09	0.006+00	1.566+01	1.526+05	1.456+03	9.266+03	0.006+00	2.676-02	1.266+07	3.446+09	2.006-01	2.966+03	9.016-02	1.706-01	2.586+03	4.416+01	1.076+01	0.006+00	1.466+09	1.886+09	2.166+03	5.766+05	3.766+00	0.006+00	1.076+01	2.586+09	1.076+01	1.216+01	3.766+00	0.006+00	0.006+00	8.566+03			

ZAY76961	2.43E-01	1.68E-02	2.12E-02	4.47E-03	1.06E-01	0.00E+00	797-01	1.19E-07	1.83E-05	1.04E-04	0.00E+00	3.38E-04	1.74E-08	3.40E-11	6.00E-03	1.58E-05	4.55E-03	8.72E-03	1.04E-08	6.48E-03	1.19E-01	0.00E+00	3.07E-10	1.89E-10	2.45E-08	3.29E-07	4.92E-03	0.00E+00	1.22E-01	3.21E-10	1.22E-01	1.28E-01	4.92E-03	0.00E+00	0.00E+00	0.00E+00	4.92E-04
ZAY76963	8.07E-04	3.18E-01	8.99E-02	2.26E-01	2.84E-10	0.00E+00	3.64E+00	2.97E-08	2.82E-04	1.81E-03	0.00E+00	5.42E-03	2.32E-08	8.80E-10	3.79E-02	5.70E-04	1.95E-02	3.07E-02	5.12E-04	8.97E-02	2.08E+00	0.00E+00	2.89E-09	3.67E-09	4.29E-04	1.13E-05	2.79E-01	0.00E+00	2.08E+00	5.22E-09	2.08E+00	2.36E+00	2.79E-01	0.00E+00	0.00E+00	0.00E+00	1.71E-02
ZAY76964	1.16E-05	3.11E-03	1.16E-02	1.46E-02	6.79E-11	0.00E+00	9.92E-03	5.74E-08	1.83E-08	1.06E-05	0.00E+00	5.26E-04	1.68E-10	8.89E-12	2.79E-03	1.60E-05	4.42E-03	5.98E-03	2.47E-05	8.93E-03	1.31E-02	0.00E+00	9.11E-11	4.19E-11	2.31E-08	3.13E-07	9.93E-03	0.00E+00	1.14E-02	5.93E-10	1.14E-02	2.13E-02	9.93E-03	0.00E+00	0.00E+00	0.00E+00	1.14E-03
ZAY77617	2.05E-08	9.05E-04	4.03E-04	1.30E-03	2.95E-12	0.00E+00	7.94E-03	1.00E-08	7.48E-07	4.81E-08	0.00E+00	4.09E-03	4.93E-11	2.02E-12	5.62E-05	2.30E-08	2.78E-04	1.99E-04	2.51E-04	7.05E-04	5.98E-03	0.00E+00	1.88E-12	1.08E-11	1.11E-08	4.31E-08	1.17E-03	0.00E+00	4.74E-03	3.89E-11	5.47E-03	6.86E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00	1.01E-04
ZAY77618	1.89E-08	8.05E-04	5.35E-04	1.33E-03	3.62E-12	0.00E+00	6.43E-03	9.23E-09	8.44E-07	4.15E-08	0.00E+00	4.28E-03	3.43E-11	1.81E-12	9.48E-05	2.10E-08	2.96E-04	2.52E-04	2.50E-08	7.68E-04	4.82E-03	0.00E+00	7.94E-12	9.92E-07	4.10E-09	1.14E-02	0.00E+00	9.71E-03	4.08E-11	4.71E-03	6.86E-03	1.14E-03	0.00E+00	0.00E+00	0.00E+00	1.04E-04	
ZAY77619	2.96E-08	1.50E-02	3.57E-02	1.84E-02	8.87E-12	0.00E+00	1.64E-01	1.43E-07	1.30E-05	8.54E-05	0.00E+00	2.84E-04	1.08E-08	3.24E-11	1.81E-03	2.77E-05	1.16E-01	1.16E-03	5.94E-05	4.73E-03	8.97E-02	0.00E+00	1.26E-12	1.79E-10	1.09E-08	5.49E-07	1.38E-02	0.00E+00	1.39E-02	9.80E-02	1.12E-01	3.39E-02	1.60E+00	0.00E+00	0.00E+00	8.86E-04	
ZAY77620	2.76E-08	1.41E-02	2.43E-03	1.17E-02	2.98E-12	0.00E+00	1.33E-01	1.38E-07	1.25E-05	7.99E-05	0.00E+00	3.02E-04	8.86E-10	3.98E-11	1.29E-03	2.88E-05	1.48E-03	6.99E-04	2.94E-05	9.08E-09	9.29E-02	0.00E+00	1.13E-10	1.69E-10	1.88E-05	9.32E-07	1.33E-02	0.00E+00	9.29E-02	2.91E-10	9.29E-02	1.09E-01	1.33E-02	0.00E+00	0.00E+00	0.00E+00	8.90E-04
ZAY77626	3.07E-08	2.10E-03	2.68E-03	5.89E-04	1.39E-11	0.00E+00	2.38E-02	1.51E-08	2.07E-08	1.32E-05	0.00E+00	4.28E-03	2.23E-10	4.30E-12	7.67E-04	2.00E+00	5.76E-04	1.10E-03	1.32E-07	8.18E-04	1.51E-02	0.00E+00	3.89E-11	2.33E-11	3.19E-08	4.17E-08	6.23E-04	0.00E+00	1.54E-02	4.07E-11	1.54E-02	1.60E-02	6.23E-04	0.00E+00	0.00E+00	0.00E+00	5.98E-05
ZAY77627	9.78E-07	1.17E-03	3.04E-03	1.86E-03	1.23E-11	0.00E+00	1.96E-02	4.97E-09	1.29E-08	8.17E-08	0.00E+00	8.27E-05	1.71E-10	2.22E-12	8.12E-04	2.27E-01	8.47E-04	1.29E-03	2.38E-08	1.51E-03	9.31E-03	0.00E+00	3.89E-11	1.23E-11	1.95E-08	2.00E-09	5.55E-04	0.00E+00	9.87E-03	7.88E-11	8.89E-03	9.12E-03	5.55E-04	0.00E+00	0.00E+00	0.00E+00	1.51E-04
ZAY77628	8.70E-05	4.48E-02	1.02E-02	3.44E-02	2.34E-11	0.00E+00	4.25E-01	4.23E-07	5.95E-05	2.54E-04	0.00E+00	5.95E-04	3.29E-08	9.84E-11	4.69E-03	8.22E-05	1.94E-03	3.28E-03	7.83E-05	1.44E-02	2.93E-01	0.00E+00	3.89E-11	5.91E-05	5.91E-05	1.94E-06	4.03E-02	0.00E+00	9.29E-02	2.93E-10	3.39E-01	3.43E-02	4.03E-02	0.00E+00	0.00E+00	0.00E+00	2.81E-03
ZAY79268M	1.93E-09	1.11E-02	1.57E-02	4.33E-03	7.97E-11	0.00E+00	1.27E-01	7.61E-08	1.11E-05	7.04E-05	0.00E+00	2.85E-04	1.21E-08	2.25E-11	4.43E-03	9.22E-05	3.57E-03	6.49E-03	1.76E-04	9.37E-03	9.86E-02	0.00E+00	2.20E-10	1.23E-10	1.69E-05	1.95E-07	2.38E-03	0.00E+00	6.23E-02	2.71E-10	8.23E-02	8.47E-02	2.38E-03	0.00E+00	0.00E+00	0.00E+00	3.92E-04
ZAY79270M	1.11E-05	8.89E-03	1.19E-02	3.72E-03	6.94E-11	0.00E+00	9.33E-02	5.43E-08	8.10E-05	5.15E-05	0.00E+00	2.23E-04	8.94E-10	1.64E-11	3.33E-03	6.35E-08	2.74E-03	4.91E-03	1.94E-08	4.20E-09	5.99E-02	0.00E+00	1.64E-10	8.94E-11	1.22E-05	1.26E-07	1.49E-03	0.00E+00	6.02E-02	2.13E-10	6.02E-02	6.18E-02	1.49E-03	0.00E+00	0.00E+00	0.00E+00	3.19E-04
ZAY79348	3.36E-07	2.69E-04	1.99E-03	1.62E-03	1.94E-11	0.00E+00	5.51E-03	1.80E-09	4.04E-07	2.53E-08	0.00E+00	4.41E-03	7.69E-11	3.79E-13	4.83E-04	2.89E-06	6.00E-04	8.11E-04	2.43E-08	1.16E-03	2.83E-03	0.00E+00	1.98E-11	2.24E-12	6.19E-07	1.99E-08	8.22E-04	0.00E+00	3.08E-03	6.18E-11	3.09E-03	2.29E-03	8.22E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-04
ZAY79362	4.42E-08	3.05E-03	3.89E-03	8.12E-04	1.94E-11	0.00E+00	3.49E-02	2.17E-08	2.89E-08	1.93E-05	0.00E+00	6.19E-03	3.16E-10	8.19E-12	1.10E-03	2.89E-06	8.27E-04	1.99E-03	1.89E-07	1.18E-09	2.17E-02	0.00E+00	5.90E-11	3.39E-11	4.47E-08	6.03E-08	8.99E-04	0.00E+00	2.21E-02	3.99E-11	2.21E-02	2.30E-02	8.99E-04	0.00E+00	0.00E+00	0.00E+00	7.32E-05
ZAY79363	7.19E-04	5.46E-04	2.89E-03	1.69E-03	1.29E-11	0.00E+00	8.97E-03	4.17E-10	4.29E-07	7.00E-05	0.00E+00	1.06E-05	1.04E-10	4.95E-13	8.88E-04	8.17E-07	9.17E-04	1.94E-03	2.54E-08	1.27E-03	4.85E-03	0.00E+00	1.53E-12	1.05E-10	4.49E-08	4.39E-04	7.39E-04	0.00E+00	5.14E-03	4.50E-03	7.39E-04	0.00E+00	0.00E+00	0.00E+00	1.30E-04		
ZAY79364	2.82E-09	1.30E-02	9.43E-04	1.20E-02	4.49E-12	0.00E+00	1.20E-01	1.28E-07	1.13E-05	7.28E-05	0.00E+00	3.20E-04	8.84E-10	2.80E-11	8.62E-04	2.57E-05	1.72E-03	8.38E-05	2.53E-05	5.53E-03	8.39E-02	0.00E+00	9.10E-11	1.52E-10	1.68E-05	5.98E-07	1.28E-02	0.00E+00	6.35E-02	3.13E-10	8.39E-02	9.83E-02	1.28E-02	0.00E+00	0.00E+00	0.00E+00	9.18E-04
ZAY79365	1.45E-06	1.53E-03	3.47E-03	1.95E-03	1.93E-11	0.00E+00	1.94E-02	7.29E-09	1.62E-08	1.03E-05	0.00E+00	9.84E-05	2.09E-10	2.30E-12	3.94E-04	9.01E-08	8.38E-04	1.49E-03	2.36E-08	1.84E-03	1.17E-02	0.00E+00	4.26E-11	1.60E-11	2.84E-08	4.80E-09	4.57E-04	0.00E+00	1.21E-02	5.45E-11	1.21E-02	1.17E-02	4.57E-04	0.00E+00	0.00E+00	0.00E+00	1.59E-04
ZAY79366	2.49E-09	1.19E-02	9.27E-04	1.34E-02	1.39E-11	0.00E+00	1.04E-01	1.18E-07	8.88E-08	6.34E-05	0.00E+00	3.55E-04	7.11E-10	2.52E-11	3.27E-04	2.43E-05	2.12E-03	8.68E-04	2.52E-05	8.15E-03	7.34E-02	0.00E+00	6.39E-11	1.39E-10	1.47E-05	4.79E-07	1.24E-02	0.00E+00	7.27E-02	3.41E-10	7.27E-02	8.51E-02	1.24E-02	0.00E+00	0.00E+00	0.00E+00	9.53E-04
ZAY79372	3.59E-07	7.43E-04	2.59E-03	1.75E-03	1.39E-11	0.00E+00	1.09E-02	1.83E-09	8.75E-07	5.52E-08	0.00E+00	7.49E-05	1.27E-10	1.35E-12	6.99E-04	6.30E-07	7.31E-04	1.68E-03	2.40E-08	1.35E-09	8.27E-03	0.00E+00	2.86E-11	7.57E-12	1.32E-09	1.94E-08	8.61E-04	0.00E+00	6.71E-03	7.07E-11	6.59E-02	9.92E-03	8.61E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04
ZAY79398	2.79E-06	2.41E-03	4.83E-03	2.26E-03	2.42E-11	0.00E+00	2.96E-02	1.38E-08	3.25E-08	1.80E-04	0.00E+00	1.08E-04	3.01E-10	4.76E-12	1.27E-03	9.97E-07	1.19E-03	1.94E-03	2.36E-08	1.99E-03	1.83E-02	0.00E+00	5.95E-11	3.92E-11	3.79E-08	2.27E-08	1.87E-04	0.00E+00	1.88E-02	1.88E-02	1.87E-04	0.00E+00	0.00E+00	0.00E+00	1.92E-04		
ZAY88079	3.44E-05	1.89E-02	5.99E-03	1.29E-02	1.73E-11	0.00E+00	1.74E-01	1.69E-07	1.81E-05	1.03E-04	0.00E+00	2.84E-04	1.33E-09	3.87E-11	2.24E-03	3.21E-05	9.73E-04	1.92E-03	2.89E-03	8.84E-03	1.19E-01	0.00E+00	1.67E-10	2.09E-10	2.40E-02	8.39E-07	1.54E-02	0.00E+00	1.19E-01	2.83E-10	1.19E-01	1.34E-01	1.54E-02	0.00E+00	0.00E+00	0.00E+00	9.44E-04
ZAY88700	8.29E-08	5.67E-03	7.29E-03	1.59E-03	3.83E-11	0.00E+00	6.79E-02	4.07E-08	5.98E-08	3.59E-05	0.00E+00	1.18E-04	5.93E-10	1.16E-11	2.07E-03	5.40E-06	1.55E-03	2.98E-03	3.59E-07	2.21E-03	4.89E-02	0.00E+00	1.05E-10	6.33E-11	8.37E-08	1.13E-07	1.68E-03	0.00E+00	4.10E-02	1.10E-10	4.19E-02	4.32E-03	1.68E-03	0.00E+00	0.00E+00	0.00E+00	1.37E-04
ZAY88701	5.97E-08	4.58E-03	7.49E-03	2.78E-03	3.81E-11	0.00E+00	5.49E-02	2.94E-08	4.89E-08	2.96E-05	0.00E+00	1.52E-04	5.29E-10	9.21E-12	2.09E-03	6.39E-06	1.78E-03	3.09E-03	2.16E-08	2.84E-03	3.39E-02	0.00E+00	9.37E-11	5.04E-11	7.00E-08	6.98E-08	4.58E-04	0.00E+00	3.47E-02	1.43E-10	3.47E-02	3.51E-02	4.58E-04	0.00E+00	0.00E+00	0.00E+00	2.94E-04
ZAY88702	1.06E-10	7.29E-03	1.05E-02	4.67E-03	0.00E+00	0.00E+00	8.79E-02	5.24E-08	4.31E-05	0.00E+00	0.00E+00	1.44E-04	7.82E-10	1.29E-12	2.69E-03	3.94E-07	2.83E-03	2.54E-02	1.50E-03	1.39E-11	1.08E-05	0.00E+00	1.93E-10	1.37E-11	1.08E-05	1.45E-07	2.18E-03	0.00E+00	5.34E-02	5.55E-02	2.18E-03	5.55E-02	2.18E-03	0.00E+00	0.00E+00	0.00E+00	1.36E-04
ZAY88703	1.13E-09	7.78E-03	8.99E-03	2.09E-03	4.97E-11	0.00E+00	8.72E-02	5.57E-08	7.84E-08	4.89E-05	0.00E+00	1.58E-04	8.12E-10	1.98E-11	2.83E-03	7.36E-06	2.13E-03	4.07E-03	4.89E-07	3.02E-03	5.58E-02	0.00E+00	1.44E-10	8.69E-11	1.19E-05	1.54E-07	2.39E-03	0.00E+00	5.69E-02	1.50E-10	5.69E-02	5.91E-02	2.39E-03	0.00E+00	0.00E+00	0.00E+00	1.88E-04

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[illegible]

B04583	8.66E+01	1.91E+00	9.84E-02	1.45E+00	4.07E-09	0.00E+00	2.05E+01	3.40E-05	1.43E+03	1.75E-02	0.00E+00	9.70E+03	2.61E-08	5.10E-08	1.20E-01	3.28E+00	0.00E+00	0.00E+00	1.24E+01	1.01E-03	1.82E+01	0.00E+00	1.57E-07	5.87E-08	4.16E-02	7.30E-07	2.52E+00	0.00E+00	2.32E+01	5.75E-08	2.33E+01	2.50E+01	2.46E+00	0.00E+00	0.00E+00	0.00E+00	4.33E+03
B04584	8.96E+03	2.52E+00	1.33E-01	1.46E+00	1.94E-08	0.00E+00	2.79E+01	4.33E-05	2.13E+03	2.28E-02	0.00E+00	9.73E+03	3.47E-08	6.94E-08	2.02E-01	3.47E+00	0.00E+00	0.00E+00	1.33E+01	1.33E-03	2.35E+01	0.00E+00	2.09E-07	7.57E-08	5.33E-02	9.41E-07	3.13E+00	0.00E+00	3.24E+01	7.00E-08	3.28E+01	3.43E+01	3.15E+00	0.00E+00	0.00E+00	0.00E+00	4.88E+03
B04585	1.16E+02	2.88E+00	1.36E-01	2.58E+00	1.19E-08	0.00E+00	3.43E+01	5.43E-05	2.41E+03	2.80E-02	0.00E+00	9.73E+03	4.06E-08	7.81E-08	2.11E-01	3.90E+00	0.00E+00	0.00E+00	1.40E+01	1.33E-03	3.94E+01	0.00E+00	2.43E-07	9.17E-08	6.96E-02	9.44E-07	3.61E+00	0.00E+00	4.10E+01	9.28E-08	4.12E+01	4.47E+01	3.25E+00	0.00E+00	0.00E+00	0.00E+00	4.91E+03
B04586	2.33E+03	5.06E+01	2.03E-01	4.80E+01	5.46E-09	0.00E+00	7.69E+01	1.80E-05	4.10E-04	4.89E-03	0.00E+00	6.19E+03	1.33E-09	1.06E-08	6.30E-02	1.34E+00	0.00E+00	0.00E+00	7.23E+00	8.47E-03	7.13E+00	0.00E+00	7.46E-08	3.02E-08	1.31E-03	4.88E-08	1.15E+00	0.00E+00	1.14E+01	1.30E-08	1.43E+01	1.81E+01	1.20E+00	0.00E+00	0.00E+00	0.00E+00	2.52E+03
B04587	4.84E+03	8.22E+01	9.01E-01	6.88E+01	6.87E-09	0.00E+00	1.18E+01	1.70E-09	5.10E-04	6.34E-03	0.00E+00	-1.23E-02	1.29E-09	1.26E-09	1.54E-01	2.96E+00	0.00E+00	0.00E+00	8.71E+00	5.90E-03	1.62E+01	0.00E+00	9.47E-07	6.93E-08	1.06E+03	4.47E-08	1.80E+00	0.00E+00	1.17E+01	-3.01E-08	1.75E+01	1.88E+01	1.87E+00	0.00E+00	0.00E+00	0.00E+00	3.91E+03
B04588	4.23E+03	1.34E+00	9.16E-01	6.80E+01	5.80E-09	0.00E+00	3.98E+01	8.37E-08	4.76E+03	5.00E-02	0.00E+00	9.81E+03	1.62E-08	1.94E-08	7.94E-01	2.98E+00	0.00E+00	0.00E+00	8.79E+00	6.00E+01	1.76E+00	0.00E+00	1.42E-07	9.10E-08	1.07E+03	3.64E-05	1.92E+00	0.00E+00	1.18E+01	-2.82E-08	1.90E+01	2.23E+01	1.90E+00	0.00E+00	0.00E+00	0.00E+00	3.06E+03
B04589	5.94E+03	1.59E+00	9.63E-01	1.17E+00	4.49E-09	0.00E+00	2.14E+01	2.69E-05	1.25E+03	9.93E-03	0.00E+00	-3.09E-02	2.27E-08	3.98E-08	1.86E-01	3.24E+00	0.00E+00	0.00E+00	1.14E+01	9.40E-01	1.86E+01	0.00E+00	1.96E-07	9.72E-08	3.18E+02	3.87E-05	2.88E+00	0.00E+00	2.02E+01	-5.36E-08	2.02E+01	2.37E+01	2.68E+00	0.00E+00	0.00E+00	0.00E+00	4.02E+03
B04590	6.21E+03	2.19E+00	1.06E+00	1.17E+00	7.35E-09	0.00E+00	2.27E+01	3.06E-05	1.52E+03	1.24E-02	0.00E+00	-7.38E-02	2.26E-08	4.13E-08	1.86E-01	3.32E+00	0.00E+00	0.00E+00	1.19E+01	1.02E+00	1.91E+01	0.00E+00	2.00E-07	9.72E-08	3.46E+02	3.86E-05	2.77E+00	0.00E+00	2.26E+01	-4.58E-08	2.27E+01	2.63E+01	2.84E+00	0.00E+00	0.00E+00	0.00E+00	4.17E+03
B04591	9.77E+03	2.84E+00	1.53E+00	2.43E+00	1.44E-08	0.00E+00	3.56E+01	4.48E-05	2.33E+04	2.44E-02	0.00E+00	-7.88E-02	3.50E-09	5.34E-08	2.43E-01	3.86E+00	0.00E+00	0.00E+00	1.36E+01	9.92E+01	4.94E+01	0.00E+00	2.46E-07	1.33E-07	6.97E+02	6.17E-05	4.14E+00	0.00E+00	4.02E+01	-2.99E-08	4.03E+01	4.40E+01	4.28E+00	0.00E+00	0.00E+00	0.00E+00	4.79E+03
B04593	2.41E+03	5.07E-01	2.08E-01	4.93E+01	0.00E+00	0.00E+00	7.86E+00	1.92E-05	4.13E+03	4.96E-03	0.00E+00	1.36E+03	1.54E-08	1.45E+03	1.94E+00	0.00E+00	0.00E+00	0.00E+00	1.92E+01	8.22E-03	9.17E+00	0.00E+00	7.50E-07	3.29E-08	1.24E+03	4.86E-06	1.06E+00	0.00E+00	4.40E+01	-1.34E-08	1.64E+01	1.84E+01	1.55E+00	0.00E+00	0.00E+00	0.00E+00	2.94E+03
B04594	4.85E+03	8.75E+01	7.99E-01	6.79E+01	2.63E-08	0.00E+00	1.19E+01	1.72E-05	5.18E-04	5.93E-03	0.00E+00	6.02E-01	1.26E-08	1.26E-08	1.81E-01	2.33E+00	0.00E+00	0.00E+00	7.98E+00	6.37E-01	1.69E+01	0.00E+00	1.52E-07	9.29E-08	1.43E+03	3.47E-05	1.60E+00	0.00E+00	1.79E+01	-3.00E-08	1.80E+01	2.00E+01	1.68E+00	0.00E+00	0.00E+00	0.00E+00	2.76E+03
B04595	4.40E+03	1.18E+00	9.02E-01	6.97E+01	3.37E-09	0.00E+00	1.26E+01	1.91E-05	5.16E-04	6.04E-03	0.00E+00	8.48E-01	1.45E-08	1.44E-08	2.33E-01	2.38E+00	0.00E+00	0.00E+00	8.29E+00	6.37E-01	1.79E+01	0.00E+00	1.66E-07	9.69E-08	1.47E+03	3.47E-05	1.79E+00	0.00E+00	1.93E+01	-3.85E-08	1.92E+01	2.19E+01	1.79E+00	0.00E+00	0.00E+00	0.00E+00	2.88E+03
B04596	7.12E+03	1.96E+00	8.16E-01	1.13E+00	3.06E-08	0.00E+00	2.19E+01	2.79E-05	1.13E+03	1.18E-02	0.00E+00	7.16E-01	2.12E-08	3.46E-08	2.37E-01	3.11E+00	0.00E+00	0.00E+00	1.00E+01	6.57E-01	2.10E+01	0.00E+00	1.96E-07	1.02E-07	3.74E+03	3.46E-05	2.53E+00	0.00E+00	2.13E+01	-2.51E-08	2.11E+01	2.38E+01	2.52E+00	0.00E+00	0.00E+00	0.00E+00	3.10E+03
B04597	7.70E+03	2.17E+00	9.74E-01	1.25E+00	3.27E-08	0.00E+00	2.58E+01	3.20E-05	1.98E+03	1.72E-02	0.00E+00	7.93E-01	2.25E-08	4.91E-08	2.54E-01	3.36E+00	0.00E+00	0.00E+00	1.20E+01	4.46E-01	2.24E+01	0.00E+00	2.13E-07	1.05E-07	4.15E+03	2.25E-05	2.94E+00	0.00E+00	2.41E+01	6.11E-07	2.39E+01	2.71E+01	2.99E+00	0.00E+00	0.00E+00	0.00E+00	4.10E+03
B04598	1.16E+02	2.74E+00	9.77E-01	4.90E+00	0.00E+00	0.00E+00	4.02E+01	4.91E-05	2.88E+03	1.34E+04	0.00E+00	6.75E+01	3.96E+08	5.34E+05	1.36E+01	3.70E+00	0.00E+00	0.00E+00	6.91E+00	5.99E+01	4.50E+01	0.00E+00	1.31E-07	7.06E+03	4.40E+05	4.07E+00	3.96E+00	0.00E+00	3.90E+01	4.36E+01	4.17E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E+03	
B04599	2.78E+02	7.89E+00	3.33E+00	3.96E+01	1.14E-07	0.00E+00	6.72E+01	5.29E-05	4.28E+03	5.29E-02	0.00E+00	1.27E+00	3.44E-08	5.26E-08	7.39E-01	3.86E+00	0.00E+00	0.00E+00	1.36E+01	1.85E+00	5.02E+01	0.00E+00	2.38E-07	1.43E-07	1.24E+02	1.04E-04	5.17E+00	0.00E+00	5.93E+01	2.44E-08	5.43E+01	5.79E+01	5.31E+00	0.00E+00	0.00E+00	0.00E+00	4.78E+03
B04601	5.36E+02	4.28E+00	2.56E+00	1.65E+00	0.00E+00	0.00E+00	1.92E+00	3.00E-05	2.53E+03	1.24E-02	0.00E+00	3.21E-01	3.41E-05	3.24E-05	2.00E-02	5.72E+01	0.00E+00	0.00E+00	1.43E+00	4.23E+00	2.96E+00	0.00E+00	2.80E-08	8.95E-09	2.76E+03	1.03E-04	-1.32E-01	0.00E+00	2.99E+00	-3.65E-09	2.98E+00	2.84E+00	-1.32E-01	0.00E+00	0.00E+00	0.00E+00	5.15E+01
B04602	8.33E+03	7.28E+00	9.02E+00	3.33E+00	0.00E+00	0.00E+00	3.85E+00	9.59E-08	3.70E+03	2.60E-02	0.00E+00	-4.84E-01	6.51E-01	4.31E-08	5.50E-02	1.68E+00	0.00E+00	0.00E+00	3.88E+00	6.39E+00	1.21E+01	0.00E+00	1.04E-07	4.36E-08	6.21E+03	1.95E-04	1.52E-01	0.00E+00	1.21E+01	-6.13E-03	1.21E+01	1.22E+01	1.52E-01	0.00E+00	0.00E+00	0.00E+00	1.41E+02
B04604	1.17E+02	1.22E+01	8.75E+00	5.47E+00	0.00E+00	0.00E+00	5.33E+00	1.33E-05	5.05E+03	4.20E-02	0.00E+00	8.34E-01	8.96E-05	9.96E-09	8.16E-02	2.38E+00	0.00E+00	0.00E+00	5.39E+00	1.19E+01	1.72E+01	0.00E+00	1.50E-07	6.01E-08	9.75E+02	2.87E-04	7.95E+00	0.00E+00	1.72E+01	-4.97E-08	1.72E+01	1.72E+01	7.95E+00	0.00E+00	0.00E+00	0.00E+00	1.80E+03
B04605	2.31E+02	9.31E+00	8.84E+00	2.69E+00	0.00E+00	0.00E+00	3.18E+01	8.37E-08	4.76E+03	5.00E-02	0.00E+00	9.51E-01	8.31E-05	3.65E-08	7.94E-01	2.71E+00	0.00E+00	0.00E+00	3.70E+00	6.91E+00	5.39E+01	0.00E+00	1.31E-07	9.90E+03	1.75E-04	1.81E+00	0.00E+00	6.81E+01	-6.46E-08	6.74E+01	6.82E+01	8.98E-01	0.00E+00	0.00E+00	0.00E+00	1.26E+03	
B04606	2.53E+02	2.50E+01	1.36E+01	1.11E+01	0.00E+00	0.00E+00	9.77E+00	2.45E-08	8.94E+03	8.61E-02	0.00E+00	-1.72E+00	1.84E-09	1.06E-07	1.57E-01	4.10E+00	0.00E+00	0.00E+00	8.48E+00	2.27E+01	3.21E+01	0.00E+00	2.81E-07	1.10E-07	1.94E+02	5.91E-04	-2.87E-01	0.00E+00	3.21E+01	-1.87E-04	3.21E+01	3.19E+01	-2.87E-01	0.00E+00	0.00E+00	0.00E+00	3.41E+02
B04608	3.02E+02	4.50E+01	2.82E+01	1.86E+01	0.00E+00	0.00E+00	1.47E+01	2.79E-05	1.44E+02	1.37E-01	0.00E+00	3.28E+00	2.40E-08	1.94E-07	2.19E-01	4.48E+00	0.00E+00	0.00E+00	1.11E+01	4.30E+01	3.63E+01	0.00E+00	3.32E-07	1.08E-07	3.53E+02	1.94E-03	1.79E+00	0.00E+00	3.83E+01	-3.85E-04	3.83E+01	3.43E+01	1.79E+00	0.00E+00	0.00E+00	0.00E+00	4.02E+02
B04621	4.88E+03	4.59E+00	2.48E+00	2.01E+00	0.00E+00	0.00E+00	2.12E+00	3.10E-08	2.78E+03	1.51E-02	0.00E+00	-3.08E-01	3.98E+01	3.26E-08	2.38E-02	1.47E+00	0.00E+00	0.00E+00	1.82E+00	4.98E+00	4.02E+00	0.00E+00	1.94E-08	1.43E+00	3.49E+03	9.94E-05	5.73E-02	0.00E+00	4.02E+00	-3.49E-05	4.02E+00	3.98E+00	-6.73E-02	0.00E+00	0.00E+00	0.00E+00	5.84E+01
B04622	1.05E+02	7.32E+00	3.84E+00	0.00E+00	0.00E+00	0.00E+00	5.98E+00	1.47E-05	4.78E+03	7.96E-03	0.00E+00	1.47E+00	2.41E+00	1.84E+00	1.94E+00	2.41E+00	0.00E+00	0.00E+00	5.81E+00	6.23E+00	1.84E+01	0.00E+00	1.87E+00	6.93E-08	7.53E+01	5.19E-04	4.88E+00	0.00E+00	4.88E+00	1.84E+01	1.84E+01	1.84E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E+03
B04623	1.43E+02	1.21E+01	5.44E+00	6.62E+00	0.00E+00	0.00E+00	5.81E+00	1.06E-05	5.86E+03	5.18E-02	0.00E+00	-4.71E-01	1.11E+00	5.96E-08	9.07E-02	2.89E+00	0.00E+00	0.00E+00	5.69E+00	8.89E+00	2.00E+01	0.00E+00	1.84E-07	8.06E-08	1.29E+02	2.15E-04	3.78E-01	0.00E+00	2.00E+01	-7.13E-05	2.00E+01	2.04E+01	3.76E-01	0.00E+00	0.00E+00	0.00E+00	1.98E+03
B04624																																					

FL52S	5.44E-02	2.09E+01	1.15E+01	9.00E+00	1.92E-07	0.00E+00	1.94E+02	6.44E-05	1.37E-02	1.54E-01	0.00E+00	6.29E+00	7.60E-08	1.37E-07	2.52E+00	7.79E+00	3.29E-07	1.21E-02	2.09E+01	8.39E-01	1.80E+02	0.00E+00	5.99E-07	4.22E-07	3.48E+02	3.46E-04	1.36E+01	0.00E+00	1.60E+02	1.52E-05	1.80E+02	1.73E+02	1.36E+01	0.00E+00	0.00E+00	0.00E+00	7.20E+02	
FL52SP	5.44E-02	2.09E+01	1.15E+01	9.00E+00	1.92E-07	0.00E+00	1.94E+02	6.44E-05	1.37E-02	1.54E-01	0.00E+00	6.29E+00	7.60E-08	1.37E-07	2.52E+00	7.79E+00	3.29E-07	1.21E-02	2.09E+01	8.39E-01	1.80E+02	0.00E+00	5.99E-07	4.22E-07	3.48E+02	3.46E-04	1.36E+01	0.00E+00	1.60E+02	1.52E-05	1.80E+02	1.73E+02	1.36E+01	0.00E+00	0.00E+00	0.00E+00	7.20E+02	
FL53S	3.07E-02	2.42E+01	1.21E+01	1.21E+01	0.00E+00	0.00E+00	4.52E+01	8.83E-05	1.11E-02	9.82E-02	0.00E+00	1.48E+00	9.13E-08	1.81E-07	3.83E-01	1.07E+01	1.33E-03	0.00E+00	3.14E+01	1.95E+01	4.48E+01	0.00E+00	5.13E-07	2.13E-07	2.35E+02	4.75E-04	8.35E+00	0.00E+00	6.48E+01	-1.55E-04	6.46E+01	6.87E+01	8.35E+00	0.00E+00	0.00E+00	0.00E+00	1.11E+03	
FL72S	2.43E-02	2.38E+01	1.27E+01	1.11E+01	0.00E+00	0.00E+00	2.89E+01	3.84E-05	9.17E-03	8.73E-02	0.00E+00	-1.56E+00	6.43E-08	1.36E-07	2.78E-01	7.98E+00	1.33E-03	0.00E+00	2.03E+01	2.08E+01	4.63E+01	0.00E+00	3.74E-07	1.43E-07	2.04E+02	3.90E-04	1.82E+00	0.00E+00	4.83E+01	-1.88E-04	4.83E+01	4.82E+01	1.82E+00	0.00E+00	0.00E+00	0.00E+00	7.20E+02	
FL72SP	2.43E-02	2.38E+01	1.27E+01	1.11E+01	0.00E+00	0.00E+00	2.89E+01	3.84E-05	9.17E-03	8.73E-02	0.00E+00	-1.56E+00	6.43E-08	1.36E-07	2.78E-01	7.98E+00	1.33E-03	0.00E+00	2.03E+01	2.08E+01	4.63E+01	0.00E+00	3.74E-07	1.43E-07	2.04E+02	3.90E-04	1.82E+00	0.00E+00	4.83E+01	-1.88E-04	4.83E+01	4.82E+01	1.82E+00	0.00E+00	0.00E+00	0.00E+00	7.20E+02	
FL74S	4.16E-02	3.63E+01	1.89E+01	1.74E+01	0.00E+00	0.00E+00	6.86E+01	1.11E-04	6.84E-05	1.11E-04	0.00E+00	2.26E+00	1.14E-08	2.98E-07	5.70E-01	1.43E+01	1.33E-03	0.00E+00	4.00E+01	3.08E+01	6.32E+01	0.00E+00	6.42E-07	2.64E-07	3.29E+02	7.44E-04	4.39E+00	0.00E+00	8.22E+01	-2.46E-04	8.22E+01	8.86E+01	4.37E+00	0.00E+00	0.00E+00	0.00E+00	1.41E+03	
FL74SP	4.16E-02	3.63E+01	1.89E+01	1.74E+01	0.00E+00	0.00E+00	6.86E+01	1.11E-04	6.84E-05	1.11E-04	0.00E+00	2.26E+00	1.14E-08	2.98E-07	5.70E-01	1.43E+01	1.33E-03	0.00E+00	4.00E+01	3.08E+01	6.32E+01	0.00E+00	6.42E-07	2.64E-07	3.29E+02	7.44E-04	4.39E+00	0.00E+00	8.22E+01	-2.46E-04	8.22E+01	8.86E+01	4.37E+00	0.00E+00	0.00E+00	0.00E+00	1.42E+03	
SX021F	2.96E-02	1.32E+01	1.20E+00	7.10E+00	7.22E-04	0.00E+00	1.04E+02	5.42E-05	1.25E-02	9.93E-02	0.00E+00	1.75E+00	3.86E-08	2.74E-07	1.37E+00	6.39E+00	3.95E-03	6.66E-03	2.82E+01	3.41E+00	3.38E+01	0.00E+00	2.86E-07	1.93E-07	2.08E+02	1.85E-04	8.40E+00	0.00E+00	8.37E+01	-4.43E-05	8.39E+01	8.81E+01	6.66E+00	0.00E+00	0.00E+00	0.00E+00	1.02E+03	
SY75539	1.92E-02	8.84E+00	2.52E+00	4.04E+00	2.36E-04	0.00E+00	5.03E+01	2.52E-05	4.05E-03	4.81E-02	0.00E+00	4.13E+01	2.19E-08	6.75E-08	6.42E-01	1.62E+00	1.84E-04	1.23E-04	5.58E+00	4.44E+00	4.98E+01	0.00E+00	1.84E-07	1.02E-07	9.97E+02	8.39E-05	2.84E+00	0.00E+00	3.40E+01	-3.22E-05	3.93E+01	3.96E+01	2.95E+00	0.00E+00	0.00E+00	0.00E+00	1.87E+02	
SY75546	1.85E-02	8.84E+00	2.52E+00	4.04E+00	2.36E-04	0.00E+00	5.03E+01	2.52E-05	4.05E-03	4.81E-02	0.00E+00	4.13E+01	2.19E-08	6.75E-08	6.42E-01	1.62E+00	1.84E-04	1.23E-04	5.58E+00	4.44E+00	4.98E+01	0.00E+00	1.84E-07	1.02E-07	9.97E+02	8.39E-05	2.84E+00	0.00E+00	3.40E+01	-3.22E-05	3.93E+01	3.96E+01	2.95E+00	0.00E+00	0.00E+00	0.00E+00	1.87E+02	
SY75547	3.02E-02	1.30E+01	8.30E+00	5.41E+00	3.56E-04	0.00E+00	8.31E+01	2.70E-05	6.26E-03	8.13E-02	0.00E+00	1.66E+00	2.45E-08	6.90E-08	1.03E+00	1.80E+00	1.13E-04	1.04E-03	5.89E+00	1.21E+00	8.20E+01	0.00E+00	2.01E-07	2.02E-07	1.89E+02	2.01E-04	4.10E+00	0.00E+00	8.12E+01	1.30E-08	8.16E+01	8.52E+01	4.48E+00	0.00E+00	0.00E+00	0.00E+00	1.82E+02	
SY75549	3.21E-02	1.04E+01	3.20E+00	5.40E+00	3.69E-04	0.00E+00	8.12E+01	2.69E-05	6.97E-03	8.19E-02	0.00E+00	9.75E+01	2.47E-08	7.26E-08	9.11E+01	2.28E+00	1.13E-04	1.04E-03	6.33E+00	1.73E+00	8.73E+01	0.00E+00	2.13E-07	2.11E-07	1.94E+02	1.14E-04	4.94E+00	0.00E+00	8.89E+01	-9.25E-08	9.97E+01	9.46E+01	4.91E+00	0.00E+00	0.00E+00	0.00E+00	2.18E+02	
SY79364	2.64E-02	4.78E+01	1.40E+01	4.87E+01	3.44E-09	0.00E+00	5.66E+00	8.35E-08	5.01E-04	6.10E-02	0.00E+00	-2.71E-03	7.79E-10	1.06E-08	3.86E-02	5.79E+01	0.00E+00	0.00E+00	1.97E+00	7.64E+01	3.56E+00	0.00E+00	5.17E-08	1.95E-08	1.38E+02	4.87E-08	6.47E-01	0.00E+00	4.99E+00	-3.98E-08	4.91E+00	5.12E+00	7.41E-01	0.00E+00	0.00E+00	0.00E+00	6.29E+01	
SY80705	2.94E-02	5.59E+00	6.65E+01	3.81E+00	8.73E-09	0.00E+00	5.79E+01	2.62E-05	4.27E-03	4.30E-02	0.00E+00	6.29E+01	2.49E-08	7.93E-08	3.29E-01	1.86E+00	4.17E-05	9.69E-04	6.13E+00	8.87E+01	5.03E+01	0.00E+00	1.62E-07	9.79E-08	1.08E+02	2.62E-05	3.35E+00	0.00E+00	2.92E+01	1.93E-08	2.97E+01	3.21E+01	3.55E+00	0.00E+00	0.00E+00	0.00E+00	2.05E+02	
SY89707	1.95E-02	8.89E+00	6.80E+00	6.01E+00	6.87E-04	0.00E+00	8.86E+01	1.07E-05	4.25E-03	5.06E-02	0.00E+00	1.46E+00	1.72E-08	6.90E-08	1.71E+01	6.29E+00	1.61E+00	5.96E+00	1.72E+01	8.47E-08	1.19E-07	1.71E+01	0.00E+00	2.96E-07	4.87E-08	4.38E+01	3.79E+01	3.81E+00	0.00E+00	3.40E+01	-4.94E-05	4.96E+01	4.96E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E+02
ZAF101A	1.20E-01	3.29E+01	1.70E+01	1.56E+01	0.00E+00	0.00E+00	8.96E+01	1.98E-04	7.68E-02	1.31E-01	0.00E+00	-2.05E+00	1.86E-08	9.15E-07	4.97E-01	2.43E+01	6.35E-04	0.00E+00	6.84E+01	2.72E+01	9.80E+01	0.00E+00	7.83E-07	3.78E-07	3.59E+02	6.81E-04	9.37E+00	0.00E+00	9.80E+01	-2.25E-04	9.83E+01	1.07E+02	9.37E+00	0.00E+00	0.00E+00	0.00E+00	2.50E+03	
ZAF135M	3.85E-02	2.92E+01	1.32E+01	9.72E+00	3.56E-04	0.00E+00	1.27E+02	5.09E-05	2.04E-02	1.27E-01	0.00E+00	1.20E+00	3.76E-08	2.47E-07	8.23E-01	9.17E+00	8.48E-03	1.42E-02	3.94E+01	6.40E+00	8.40E+01	0.00E+00	3.36E-07	2.31E-07	3.31E+02	5.53E-04	9.13E+00	0.00E+00	9.87E+01	1.36E-04	9.84E+01	1.01E+02	7.92E+00	0.00E+00	0.00E+00	0.00E+00	1.37E+03	
ZAL102P	1.77E-01	5.21E+01	1.83E+01	3.38E+01	4.70E-07	0.00E+00	6.38E+02	7.81E-04	3.84E-02	4.33E-01	0.00E+00	9.36E+00	6.70E-08	9.15E-07	5.50E+00	6.94E+01	1.09E-01	1.26E-01	2.58E+02	1.27E+00	8.88E+02	0.00E+00	3.45E-08	1.79E-08	1.08E+01	3.26E-04	8.88E+01	0.00E+00	5.88E+02	9.73E-09	5.88E+02	6.47E+02	8.88E+01	0.00E+00	0.00E+00	0.00E+00	9.06E+03	
ZAL115P	1.76E-02	1.42E+01	8.21E+00	5.52E+00	3.94E-09	0.00E+00	6.97E+01	2.37E-05	5.45E-03	8.17E-02	0.00E+00	8.88E+01	2.41E-08	5.98E-08	8.85E-01	1.52E+00	1.66E-04	1.23E-04	4.93E+00	4.83E+00	5.62E+01	0.00E+00	1.31E-07	1.79E-07	1.68E+02	2.46E-04	3.08E+00	0.00E+00	5.91E+01	-3.39E-05	5.12E+01	5.42E+01	3.35E+00	0.00E+00	0.00E+00	0.00E+00	1.67E+02	
ZAL132P	1.50E-01	7.81E+01	3.10E+01	6.87E+07	4.86E+00	0.00E+00	7.84E+02	4.48E-05	3.71E-02	4.98E+01	0.00E+00	2.49E+01	8.34E-08	2.98E-07	9.15E+00	1.79E+00	1.09E-01	1.26E-01	4.50E+00	3.58E+00	5.48E+00	0.00E+00	1.02E-08	1.06E-08	1.04E+01	1.37E-03	4.02E+01	0.00E+00	4.98E+00	-4.98E+02	4.98E+02	4.98E+02	4.98E+02	0.00E+00	0.00E+00	0.00E+00	1.61E+02	
ZAL135A	1.42E-02	1.44E+01	8.75E+00	5.88E+00	3.99E-04	0.00E+00	6.28E+01	2.38E-05	5.01E-03	5.49E-02	0.00E+00	1.65E+00	2.33E-08	8.44E-08	7.89E-01	1.87E+00	1.68E-04	1.88E-04	6.33E+00	7.69E+00	3.69E+01	0.00E+00	1.47E-07	1.79E-07	1.34E+02	3.11E-04	3.27E+00	0.00E+00	3.50E+01	-3.25E-05	3.54E+01	3.63E+01	2.99E+00	0.00E+00	0.00E+00	0.00E+00	2.12E+02	
ZAL135P	5.13E-03	1.50E+01	1.40E+00	5.88E+00	0.00E+00	0.00E+00	1.58E+00	-2.03E-08	3.23E-03	3.89E-02	0.00E+00	1.17E+00	5.75E-10	4.87E-08	3.57E-02	7.26E+00	2.25E-04	0.00E+00	6.07E-02	1.94E+01	1.39E+00	0.00E+00	2.38E-08	4.83E-09	7.80E+02	3.73E-04	1.38E+00	0.00E+00	1.33E+00	-1.35E-04	1.38E+00	-3.59E-03	1.38E+00	0.00E+00	0.00E+00	0.00E+00	2.81E+02	
ZAL175	3.02E-02	2.59E+01	1.28E+01	1.01E+01	8.83E-09	0.00E+00	6.34E+01	9.88E-05	1.07E-02	8.80E-02	0.00E+00	-1.28E+00	8.11E-08	1.80E-07	3.41E-01	9.72E+00	8.93E-03	3.44E-03	3.78E+01	1.87E+01	7.43E+01	0.00E+00	4.36E-07	2.80E-07	2.27E+02	3.17E-04	6.74E+00	0.00E+00	7.42E+01	-6.17E-05	7.44E+01	7.88E+01	5.68E+00	0.00E+00	0.00E+00	0.00E+00	1.38E+03	
ZAL175P	3.14E-02	3.30E+01	1.57E+01	1.41E+01	2.66E-04	0.00E+00	7.99E+01	1.01E-04	1.17E-02	8.71E-02	0.00E+00	1.17E+00	8.21E-08	1.20E-07	3.42E-01	9.72E+00	8.93E-03	3.74E-03	3.78E+01	1.22E+01	7.13E+01	0.00E+00	4.16E-07	2.93E-07	2.78E+02	5.18E-04	6.42E+00	0.00E+00	7.42E+01	-1.13E-04	7.47E+01	7.93E+01	7.43E+00	0.00E+00	0.00E+00	0.00E+00	1.32E+03	
ZAL177	4.16E-02	3.32E+01	1.51E+01	1.47E+01	1.43E-04	0.00E+00	1.17E+02	1.98E-02	1.27E-01	0.00E+00	-1.26E+00	9.15E+00	3.08E-07	4.00E-01	1.77E+01	5.90E-03	9.22E-03	5.85E+01	1.95E+01	1.46E+01	0.00E+00	8.26E-07	3.24E-07	3.39E+02	3.54E-04	1.11E+01	0.00E+00	8.39E+01	-1.50E-04	8.53E+01	9.15E+01	8.44E+00	0.00E+00	0.00E+00	0.00E+00			

ZAY79362	8.55E-03	1.83E+00	2.04E-01	1.47E+01	4.34E-04	0.00E+00	2.00E-01	1.35E-05	1.44E-03	1.65E-02	0.00E+00	4.38E-01	1.90E-09	4.94E-08	1.56E-01	1.59E+00	4.72E-05	1.06E-03	6.18E+00	1.15E+00	1.48E+01	0.00E+00	1.25E-07	4.79E-09	3.95E-02	4.85E-06	1.91E+00	0.00E+00	1.32E-01	2.85E-05	1.31E+01	1.50E+01	2.16E+00	0.00E+00	0.05E+00	0.00E+00	2.12E+02
ZAY79363	3.45E-03	1.22E+00	1.77E-01	7.37E-01	8.14E-09	0.05E+00	7.51E+00	7.91E-08	8.38E-04	8.38E-03	0.05E+00	-1.25E-03	1.26E-08	1.27E-08	8.33E-02	8.31E-01	0.05E+00	0.05E+00	2.93E+00	7.68E-01	9.98E+00	0.05E+00	8.77E-08	9.32E-08	1.49E-02	4.76E-06	9.05E-01	0.00E+00	8.79E+00	-3.03E-08	8.88E+00	1.02E+01	1.05E+00	0.05E+00	0.05E+00	1.03E+02	
ZAY79364	6.41E-03	1.83E+00	2.05E-01	1.42E+01	4.32E-04	0.05E+00	1.81E+01	1.77E-05	1.44E-03	1.67E-02	0.05E+00	-2.07E-03	1.97E-08	4.94E-08	7.87E-02	1.47E+00	0.05E+00	0.05E+00	5.48E+00	7.64E-01	1.40E+01	0.05E+00	1.05E-07	4.82E-08	3.90E-02	4.85E-06	1.65E+00	0.05E+00	1.05E+01	4.56E-07	1.19E+01	1.18E+01	1.83E+00	0.05E+00	0.05E+00	1.86E+02	
ZAY79365	6.51E-03	1.83E+00	2.04E-01	1.47E+01	7.24E-09	0.05E+00	2.00E-01	1.88E-05	1.44E-03	1.63E-02	0.05E+00	-7.07E-03	2.18E-08	5.07E-08	9.61E-02	1.59E+00	0.05E+00	0.05E+00	6.18E+00	7.68E-01	1.44E+01	0.05E+00	1.25E-07	4.88E-08	3.95E-02	4.85E-06	1.96E+00	0.05E+00	1.27E+01	-1.26E-08	1.20E+01	1.36E+01	2.16E+00	0.05E+00	0.05E+00	2.12E+02	
ZAY79366	1.13E-02	2.88E+00	2.47E-01	2.85E+01	2.73E-09	0.05E+00	2.98E-01	2.74E-05	2.74E-03	2.75E-02	0.05E+00	-1.27E-03	2.37E-08	6.69E-08	1.78E-01	1.82E+00	0.05E+00	0.05E+00	6.57E+00	7.65E-01	3.37E+01	0.05E+00	1.73E-07	7.73E-09	6.91E-02	5.27E-06	2.55E+00	0.05E+00	1.20E+01	2.45E-08	2.18E+01	2.34E+01	2.91E+00	0.05E+00	0.05E+00	3.20E+02	
ZAY79372	3.66E-03	1.46E+00	1.96E-01	8.26E-01	8.12E-09	0.05E+00	5.48E-01	8.82E-08	8.49E-08	7.46E-04	0.05E+00	-1.26E-03	1.47E-08	1.66E-08	8.78E-02	8.36E-01	0.05E+00	0.05E+00	3.02E+00	7.68E-01	1.20E-01	0.05E+00	9.81E-08	4.96E-08	1.06E+00	4.73E-06	1.06E+00	0.05E+00	1.03E+00	1.02E+01	1.20E+01	1.16E+00	0.05E+00	0.05E+00	1.04E+02		
ZAY79398	8.86E-03	2.42E+00	2.19E-01	1.47E+01	1.53E-09	0.05E+00	2.52E-01	2.18E-05	2.68E-03	2.07E-02	0.05E+00	-1.27E-03	2.15E-08	5.63E-08	1.79E-01	1.58E+00	0.05E+00	0.05E+00	6.18E+00	7.68E-01	1.79E+01	0.05E+00	1.56E-07	5.12E-08	4.58E-02	5.25E-06	2.29E+00	0.05E+00	1.44E+01	-1.03E-08	1.46E+01	1.88E+01	2.55E+00	0.05E+00	0.05E+00	2.12E+02	
ZAY88079	1.72E-03	2.82E-01	1.54E-01	1.36E-01	3.12E-09	0.05E+00	3.27E+00	6.12E-09	3.01E-04	3.96E-03	0.05E+00	7.04E-02	5.94E-10	4.13E-09	3.36E-02	5.16E-01	0.05E+00	0.05E+00	1.94E+00	8.48E-01	2.96E+00	0.05E+00	3.26E-08	1.55E-08	8.05E-04	2.30E-05	3.85E-01	0.05E+00	4.04E+00	4.22E-08	4.05E+00	4.65E+00	3.98E-01	0.05E+00	0.05E+00	6.31E+01	
ZAY88700	1.26E-02	3.55E+00	2.77E-01	2.86E+01	4.29E-09	0.05E+00	3.60E-01	3.12E-05	2.75E-03	2.84E-02	0.05E+00	4.38E-01	2.01E-08	6.70E-08	2.53E-01	1.96E+00	4.72E-05	1.06E-03	7.28E+00	1.16E+00	3.02E+01	0.05E+00	1.84E-07	7.37E-08	7.44E-02	3.95E-06	3.71E+00	0.05E+00	2.51E+01	2.83E+01	2.94E+01	3.55E+00	0.05E+00	0.05E+00	0.05E+00	2.51E+02	
ZAY88701	1.36E-02	3.60E+00	2.77E-01	2.87E+01	4.29E-09	0.05E+00	3.60E-01	3.12E-05	2.75E-03	2.84E-02	0.05E+00	4.38E-01	2.01E-08	6.70E-08	2.53E-01	1.96E+00	4.72E-05	1.06E-03	7.28E+00	1.16E+00	3.02E+01	0.05E+00	1.84E-07	7.37E-08	7.44E-02	3.95E-06	3.71E+00	0.05E+00	2.51E+01	2.83E+01	2.94E+01	3.55E+00	0.05E+00	0.05E+00	0.05E+00	2.51E+02	
ZAY88702	1.36E-02	3.60E+00	2.77E-01	2.87E+01	4.29E-09	0.05E+00	3.60E-01	3.12E-05	2.75E-03	2.84E-02	0.05E+00	4.38E-01	2.01E-08	6.70E-08	2.53E-01	1.96E+00	4.72E-05	1.06E-03	7.28E+00	1.16E+00	3.02E+01	0.05E+00	1.84E-07	7.37E-08	7.44E-02	3.95E-06	3.71E+00	0.05E+00	2.51E+01	2.83E+01	2.94E+01	3.55E+00	0.05E+00	0.05E+00	0.05E+00	2.51E+02	
ZAY88703	1.37E-02	4.88E+00	3.32E-01	3.08E+01	4.26E-09	0.05E+00	3.91E+01	1.49E-05	3.17E-03	2.83E-02	0.05E+00	4.38E-01	1.89E-08	6.65E-09	3.17E-01	1.77E+00	4.72E-05	1.06E-03	7.12E+00	1.22E+00	4.24E+01	0.05E+00	1.72E-07	7.94E-08	8.15E-02	8.65E-06	3.26E+00	0.05E+00	2.68E+01	-2.85E-05	2.73E+01	3.02E+01	3.72E+00	0.05E+00	0.05E+00	0.05E+00	2.45E+02
ZAY88704	1.25E-02	5.26E+00	3.64E-01	3.01E+00	2.58E-09	0.05E+00	3.88E-01	2.96E-05	3.02E-03	2.77E-02	0.05E+00	2.82E-03	2.34E+00	7.52E-08	2.57E-01	1.74E+00	0.05E+00	0.05E+00	6.92E+00	1.16E+00	3.97E+01	0.05E+00	1.47E-07	9.22E-08	8.16E-02	1.44E-05	3.51E+00	0.05E+00	1.97E+01	4.07E-08	2.02E+01	2.11E+01	3.75E+00	0.05E+00	0.05E+00	0.05E+00	2.39E+02
ZAY88705	1.96E-02	5.63E+00	7.67E-01	3.62E+00	6.47E-09	0.05E+00	5.78E+01	2.62E-05	4.22E-03	4.26E-02	0.05E+00	6.25E-01	2.35E-08	7.26E-08	3.35E-01	1.74E+00	4.17E-05	9.69E-04	6.05E+00	8.93E-01	4.81E+01	0.05E+00	1.85E-07	9.39E-08	1.09E-02	2.62E-05	3.31E+00	0.05E+00	2.68E+01	1.26E-08	2.93E+01	3.14E+01	3.55E+00	0.05E+00	0.05E+00	0.05E+00	2.07E+02
ZAY88707	1.95E-02	8.85E+00	7.67E-01	3.62E+00	8.91E-09	0.05E+00	5.48E+01	1.07E-05	4.26E-03	4.56E-02	0.05E+00	1.14E-01	1.72E-08	6.05E-08	3.17E-01	1.67E+00	1.93E-04	6.05E+00	1.82E+00	1.61E+00	3.56E+01	0.05E+00	1.72E-07	8.47E-08	1.19E-02	7.47E-06	3.81E+00	0.05E+00	4.36E+01	4.36E+01	4.94E+01	4.56E+00	0.05E+00	0.05E+00	0.05E+00	2.12E+02	
ZAY88708	2.01E-02	8.89E+00	1.02E+00	3.95E+01	2.94E-09	0.05E+00	5.90E+01	2.59E-05	4.45E-03	5.22E-02	0.05E+00	9.93E-01	2.58E-08	6.98E-08	7.53E-01	1.48E+00	1.06E-04	1.04E-03	5.44E+00	1.25E+00	5.57E+01	0.05E+00	1.85E-07	8.98E-08	1.27E-02	7.43E-05	3.51E+00	0.05E+00	4.24E+01	-1.75E-08	4.33E+01	4.75E+01	3.67E+00	0.05E+00	0.05E+00	0.05E+00	1.80E+02
ZAY88858	1.81E-02	5.50E+00	3.85E-01	3.85E+00	4.73E-09	0.05E+00	5.48E+01	1.18E-05	4.32E-03	4.81E-02	0.05E+00	4.28E-01	1.84E+00	6.55E-08	3.64E-01	1.74E+00	8.88E-05	1.06E-03	6.44E+00	1.37E+00	4.83E+01	0.05E+00	1.71E-07	8.57E-08	1.11E-02	1.55E-05	3.71E+00	0.05E+00	3.18E+01	2.65E-05	3.23E+01	3.63E+01	3.95E+00	0.05E+00	0.05E+00	0.05E+00	2.30E+02
ZAY88859	1.37E-02	4.99E+00	3.32E-01	3.88E+00	4.26E-09	0.05E+00	3.91E+01	1.49E-05	3.17E-03	2.83E-02	0.05E+00	4.38E-01	1.91E-08	6.65E-08	3.17E-01	1.77E+00	4.72E-05	1.06E-03	7.12E+00	1.22E+00	4.24E+01	0.05E+00	1.72E-07	7.94E-08	8.15E-02	8.65E-06	3.26E+00	0.05E+00	2.68E+01	-2.85E-05	2.73E+01	3.02E+01	3.72E+00	0.05E+00	0.05E+00	0.05E+00	2.45E+02
ZAY88868	2.28E-02	8.81E+00	1.96E+00	4.27E+00	6.26E-09	0.05E+00	5.88E+01	1.03E-05	4.71E-03	5.73E-02	0.05E+00	7.73E-01	1.57E-08	5.11E-08	8.22E-01	1.55E+00	4.72E-05	1.06E-03	6.03E+00	3.16E+00	8.29E+01	0.05E+00	1.54E-07	1.07E-07	1.25E-02	7.62E-05	3.71E+00	0.05E+00	6.88E+01	-4.93E-05	6.88E+01	7.16E+01	4.65E+00	0.05E+00	0.05E+00	0.05E+00	2.05E+02
ZAY88869	2.01E-02	5.64E+00	1.75E-01	3.80E+00	6.37E-09	0.05E+00	5.48E+01	2.82E-05	4.26E-03	4.26E-02	0.05E+00	5.10E-03	2.42E-08	7.78E-03	3.12E-01	1.69E+00	4.16E-05	0.05E+00	6.94E+00	8.95E-01	4.87E+01	0.05E+00	1.66E-07	1.07E-08	1.07E-02	1.63E-05	3.84E+00	0.05E+00	2.95E+01	1.55E-08	2.97E+01	3.27E+01	3.92E+00	0.05E+00	0.05E+00	0.05E+00	2.20E+02
ZAY88870	1.81E-02	5.50E+00	3.85E-01	3.80E+00	4.73E-09	0.05E+00	5.48E+01	1.18E-05	4.32E-03	4.81E-02	0.05E+00	4.28E-01	1.84E+00	6.55E-08	3.64E-01	1.74E+00	8.88E-05	1.06E-03	6.44E+00	1.37E+00	4.83E+01	0.05E+00	1.71E-07	8.57E-08	1.11E-02	1.55E-05	3.71E+00	0.05E+00	3.18E+01	2.65E-05	3.23E+01	3.63E+01	3.95E+00	0.05E+00	0.05E+00	0.05E+00	2.30E+02
ZAY88871	1.81E-02	5.50E+00	3.85E-01	3.80E+00	4.73E-09	0.05E+00	5.48E+01	1.18E-05	4.32E-03	4.81E-02	0.05E+00	4.28E-01	1.84E+00	6.55E-08	3.64E-01	1.74E+00	8.88E-05	1.06E-03	6.44E+00	1.37E+00	4.83E+01	0.05E+00	1.71E-07	8.57E-08	1.11E-02	1.55E-05	3.71E+00	0.05E+00	3.18E+01	2.65E-05	3.23E+01	3.63E+01	3.95E+00	0.05E+00	0.05E+00	0.05E+00	2.30E+02
ZAY88872	1.81E-02	5.50E+00	3.85E-01	3.80E+00	4.73E-09	0.05E+00	5.48E+01	1.18E-05	4.32E-03	4.81E-02	0.05E+00	4.28E-01	1.84E+00	6.55E-08	3.64E-01	1.74E+00	8.88E-05	1.06E-03	6.44E+00	1.37E+00	4.83E+01	0.05E+00	1.71E-07	8.57E-08	1.11E-02	1.55E-05	3.71E+00	0.05E+00	3.18E+01	2.65E-05	3.23E+01	3.63E+01	3.95E+00	0.05E+00	0.05E+00	0.05E+00	2.30E+02
ZAY88893	1.34E-02	4.67E+00	2.95E-01	2.95E+00	4.39E-09	0.05E+00	3.96E+01	1.45E-05	3.17E-03	2.88E-02	0.05E+00	5.11E-01	1.94E-08	6.62E-08	3.17E-01	1.77E+00	4.72E-05	1.06E-03	6.91E+00	2.76E+00	3.97E+01	0.05E+00	1.72E-07	7.87E-08	7.72E-02	2.76E-05	3.02E+00	0.05E+00	2.68E+01	1.26E-08	2.97E+01	3.23E+01	3.94E+00	0.05E+00	0.05E+00	0.05E+00	2.34E+02
ZAY90266	9.97E-03	3.56E+00	1.15E+00	2.91E+00	7.62E-09	0.05E+00	2.44E+01	1.48E-05	2.46E-03	2.47E-02	0.05E+00	1.95E-02	9.16E-10	5.77E-08	1.43E-01	1.82E+00	0.05E+00	0.05E+00	6.91E+00	1.16E+00	3.94E+01	0.05E+00	1.25E-07	7.89E-08	6.99E-02	4.27E-05	1.91E+00	0.05E+00	1.67E+01	-1.76E-05	1.86E+01	1.75E+01	2.01E+00	0.05E+00	0.05E+00	0.05E+00	1.40E+02
ZAY90267	1.86E-02	3.55E+00	1.05E+00	2.65E+00	3.81E-09	0																															

B04698	-1.64E-01	-5.47E-01	8.84E-04	-4.12E-01	0.00E+00	0.00E+00	-4.61E+00	-6.44E-05	-5.17E-04	-5.41E-03	0.00E+00	-8.91E-04	-1.84E-08	-8.58E-09	-4.26E-02	-2.98E-01	0.00E+00	0.00E+00	-1.90E+00	-2.84E-01	-1.03E-01	0.00E+00	-1.76E-08	-2.06E-02	-1.85E-04	-4.86E+00	0.00E+00	-6.36E+00	-2.91E-08	-4.36E+00	-1.05E-01	-4.22E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-01	
B04699	-7.82E-03	-3.72E+00	-5.82E-02	-3.86E+00	0.00E+00	0.00E+00	-3.13E+01	-1.37E+00	-2.00E-03	-2.15E-02	0.00E+00	-2.58E-03	-8.86E-10	-1.75E+00	-5.40E-01	-9.30E-01	0.00E+00	0.00E+00	-6.08E-01	-8.21E-01	-6.19E-01	0.00E+00	-2.17E+00	-9.29E-08	-6.32E-02	-4.95E-04	-1.45E-01	0.00E+00	-6.19E-01	-3.30E-07	-6.13E-01	-7.88E-01	-1.45E-01	0.00E+00	0.00E+00	0.00E+00	7.88E-01
B04711	2.96E-03	1.99E-01	8.60E-03	1.96E-01	0.00E+00	0.00E+00	1.99E+00	4.11E-06	1.88E-03	2.14E-03	0.00E+00	0.00E+00	3.48E-10	2.07E-08	1.26E-02	6.86E-01	0.00E+00	0.00E+00	1.71E+00	0.00E+00	1.14E+00	0.00E+00	2.55E-08	1.29E-08	7.19E-04	0.00E+00	3.03E-01	0.00E+00	3.14E+00	7.87E-07	3.14E+00	3.45E+00	3.03E-01	0.00E+00	0.00E+00	0.00E+00	8.26E-01
B04716	-1.45E-02	-2.12E+00	-3.35E-03	-1.21E+00	0.00E+00	0.00E+00	-3.09E+01	-1.38E-03	8.18E-04	-1.05E-02	0.00E+00	0.00E+00	-1.83E-08	-1.81E-07	6.03E-03	-7.88E-01	0.00E+00	0.00E+00	-2.72E+00	0.00E+00	-2.38E+00	0.00E+00	-1.53E-08	-6.57E-09	-2.90E-03	0.00E+00	-1.15E-01	0.00E+00	-2.38E+00	-4.89E-02	-2.38E+00	-1.36E-01	-1.15E-01	0.00E+00	0.00E+00	0.00E+00	-1.15E-02
B04721	-1.45E-02	-8.19E-02	-3.35E-02	-6.57E-01	0.00E+00	0.00E+00	-2.88E+00	-1.18E-03	-1.13E-03	-1.55E-02	0.00E+00	0.00E+00	-3.58E-08	-1.21E-07	1.12E-01	-1.23E-01	0.00E+00	0.00E+00	-7.32E+00	0.00E+00	-1.68E+00	0.00E+00	-2.72E-08	-2.72E-08	-2.31E-03	0.00E+00	-2.18E+00	0.00E+00	-3.38E+00	-4.20E-03	-3.78E+00	-2.35E+00	-3.91E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-02
B04722	-9.86E-03	1.39E-01	1.67E-02	3.80E-01	0.00E+00	0.00E+00	7.11E-01	-6.56E-04	9.56E-07	8.71E-03	0.00E+00	0.00E+00	-1.33E-10	-6.40E-08	2.86E-02	-3.43E+00	0.00E+00	0.00E+00	-2.86E+00	0.00E+00	-1.14E+01	0.00E+00	-2.45E-08	-2.56E-11	-1.12E-02	0.00E+00	3.76E+00	0.00E+00	-4.32E+00	-3.32E-03	-4.32E+00	-4.08E+00	-3.36E+00	0.00E+00	0.00E+00	1.29E-01	
B04723	-9.48E-03	-4.94E-01	1.42E-02	2.93E-03	0.00E+00	0.00E+00	-1.96E+00	-9.49E-04	-3.45E-04	-1.10E-03	0.00E+00	-9.39E-07	-1.45E-08	-9.88E-09	6.93E-05	7.60E-01	0.00E+00	0.00E+00	2.78E-01	-3.87E-04	5.10E+00	0.00E+00	1.27E-08	-1.86E-08	-1.84E-02	-1.19E-07	-8.88E+00	0.00E+00	3.71E+00	-2.98E-05	3.71E+00	1.73E+00	-8.34E+00	0.00E+00	0.00E+00	-8.46E+00	
B04724	-9.48E-03	-7.15E-01	9.24E-03	8.86E-04	0.00E+00	0.00E+00	-3.00E+00	-6.68E-04	-2.37E-04	6.23E-04	0.00E+00	-3.86E-07	-1.50E-08	-6.87E-08	2.03E-02	-6.02E-01	0.00E+00	0.00E+00	-5.62E-01	-3.87E-04	1.06E+00	0.00E+00	3.16E-08	-2.59E-08	-1.38E-03	-3.16E-07	9.14E+00	0.00E+00	3.58E+00	-2.75E-05	3.58E+00	6.53E-01	-7.81E+00	0.00E+00	0.00E+00	-2.46E-01	
B04725	-9.69E-03	-7.38E-01	8.71E-03	3.85E-01	0.00E+00	0.00E+00	-3.20E+00	-9.94E-04	-4.34E-04	-6.13E-04	0.00E+00	-9.39E-07	-2.30E-08	-9.88E-09	1.65E-02	-6.87E-01	0.00E+00	0.00E+00	-1.48E+00	-3.87E-04	-1.71E-01	0.00E+00	3.91E-08	-4.26E-08	-1.87E-03	-3.16E-07	-1.18E-01	0.00E+00	1.98E+00	-2.86E-05	1.98E+00	-2.80E+00	-1.07E-01	0.00E+00	0.00E+00	0.00E+00	5.34E-01
B04726	-1.56E-02	-2.42E+00	-1.15E-02	-2.67E+00	0.00E+00	0.00E+00	-2.94E+00	-1.30E-03	-6.73E-04	-9.86E-03	0.00E+00	-9.39E-07	-1.58E-08	-9.38E-09	1.31E-02	-6.87E+00	0.00E+00	0.00E+00	-7.94E+00	-5.17E-01	1.10E-01	0.00E+00	3.91E-08	-4.67E-07	-3.60E-03	-3.53E-06	-2.68E+00	0.00E+00	-1.01E+00	-1.58E+00	-1.51E+01	-7.92E-07	-1.62E+00	0.00E+00	0.00E+00	-3.17E-02	
B04727	-3.23E-02	-8.19E+00	-4.32E-02	-6.37E+00	0.00E+00	0.00E+00	-5.13E+00	-2.61E-03	2.73E-03	-2.19E-02	0.00E+00	-5.89E-05	-4.90E-08	-2.95E-07	-2.54E-01	-3.02E+02	0.00E+00	0.00E+00	-2.88E-01	-2.37E-02	5.88E-01	0.00E+00	-1.41E-08	-4.99E-07	-6.34E-01	-1.94E-05	-4.41E-01	0.00E+00	-6.34E-01	-1.17E-04	-6.34E-01	-9.22E-01	-4.41E-01	0.00E+00	0.00E+00	0.00E+00	-1.18E-03
B04741	-1.71E-03	-4.18E-01	-1.99E-03	-4.88E-01	0.00E+00	0.00E+00	-9.21E-01	-7.34E-09	-1.48E-04	-2.97E-03	0.00E+00	-4.27E-06	-2.28E-09	-1.29E-08	-4.23E-03	-3.31E+00	0.00E+00	0.00E+00	-1.63E+00	-1.48E-03	3.44E+00	0.00E+00	-6.92E-09	-2.97E-08	-1.72E-03	-6.74E-07	-8.01E-01	0.00E+00	-4.73E+00	-4.19E-08	-4.73E+00	-6.35E+00	-9.41E-01	0.00E+00	0.00E+00	0.00E+00	6.60E-01
B04742	-1.71E-03	-4.18E-01	-1.99E-03	-4.88E-01	0.00E+00	0.00E+00	-9.21E-01	-7.34E-09	-1.48E-04	-2.97E-03	0.00E+00	-4.27E-06	-2.28E-09	-1.29E-08	-4.23E-03	-3.31E+00	0.00E+00	0.00E+00	-1.63E+00	-1.48E-03	3.44E+00	0.00E+00	-6.92E-09	-2.97E-08	-1.72E-03	-6.74E-07	-8.01E-01	0.00E+00	-4.73E+00	-4.19E-08	-4.73E+00	-6.35E+00	-9.41E-01	0.00E+00	0.00E+00	0.00E+00	-6.60E-01
B04743	-1.71E-03	-4.18E-01	-1.99E-03	-4.88E-01	0.00E+00	0.00E+00	-9.21E-01	-7.34E-09	-1.48E-04	-2.97E-03	0.00E+00	-4.27E-06	-2.28E-09	-1.29E-08	-4.23E-03	-3.31E+00	0.00E+00	0.00E+00	-1.63E+00	-1.48E-03	3.44E+00	0.00E+00	-6.92E-09	-2.97E-08	-1.72E-03	-6.74E-07	-8.01E-01	0.00E+00	-4.73E+00	-4.19E-08	-4.73E+00	-6.35E+00	-9.41E-01	0.00E+00	0.00E+00	0.00E+00	-6.60E-01
B04744	-1.71E-03	-4.18E-01	-1.99E-03	-4.88E-01	0.00E+00	0.00E+00	-9.21E-01	-7.34E-09	-1.48E-04	-2.97E-03	0.00E+00	-4.27E-06	-2.28E-09	-1.29E-08	-4.23E-03	-3.31E+00	0.00E+00	0.00E+00	-1.63E+00	-1.48E-03	3.44E+00	0.00E+00	-6.92E-09	-2.97E-08	-1.72E-03	-6.74E-07	-8.01E-01	0.00E+00	-4.73E+00	-4.19E-08	-4.73E+00	-6.35E+00	-9.41E-01	0.00E+00	0.00E+00	0.00E+00	-6.60E-01
B04745	-1.71E-03	-4.18E-01	-1.99E-03	-4.88E-01	0.00E+00	0.00E+00	-9.21E-01	-7.34E-09	-1.48E-04	-2.97E-03	0.00E+00	-4.27E-06	-2.28E-09	-1.29E-08	-4.23E-03	-3.31E+00	0.00E+00	0.00E+00	-1.63E+00	-1.48E-03	3.44E+00	0.00E+00	-6.92E-09	-2.97E-08	-1.72E-03	-6.74E-07	-8.01E-01	0.00E+00	-4.73E+00	-4.19E-08	-4.73E+00	-6.35E+00	-9.41E-01	0.00E+00	0.00E+00	0.00E+00	-6.60E-01
B04760	-5.76E-01	-1.31E+00	-4.52E-03	-1.44E+00	0.00E+00	0.00E+00	-2.65E+00	-2.35E-04	-7.95E-04	-6.05E-03	0.00E+00	0.00E+00	-1.27E-10	-1.76E-08	-2.02E-02	-4.79E+00	0.00E+00	0.00E+00	-8.02E+00	0.00E+00	-4.40E+00	0.00E+00	-2.96E-08	-1.21E-07	-7.34E-03	0.00E+00	-3.38E+00	0.00E+00	-1.33E-01	-1.75E-05	-1.33E+01	-1.34E-01	-1.25E+00	0.00E+00	0.00E+00	0.00E+00	-3.96E-02
B04761	-5.92E-03	-1.49E+00	1.39E-03	-1.52E+00	0.00E+00	0.00E+00	-2.22E+00	-2.38E-04	-1.58E-04	-3.56E-03	0.00E+00	0.00E+00	-1.29E-08	-1.80E-08	-1.72E-02	-4.73E+00	0.00E+00	0.00E+00	-7.83E+00	0.00E+00	-1.15E-01	0.00E+00	-7.93E-08	-1.19E-07	-7.03E-03	0.00E+00	-1.15E+00	0.00E+00	-1.15E-01	-1.72E-05	-1.15E+01	-1.22E-01	-8.85E-01	0.00E+00	0.00E+00	0.00E+00	-3.68E-02
B04762	-5.54E-01	-1.55E+00	-3.02E-03	-1.60E+00	0.00E+00	0.00E+00	-3.10E+00	-2.87E-04	-8.67E-04	-4.32E-03	0.00E+00	0.00E+00	-1.32E-08	-2.44E-08	-2.88E-02	-5.53E+00	0.00E+00	0.00E+00	-7.88E+00	0.00E+00	-1.15E-01	0.00E+00	-8.20E-08	-1.19E-07	-7.21E-03	0.00E+00	-1.28E+00	0.00E+00	-1.37E-01	-1.96E-05	-1.37E+01	-1.42E-01	-1.20E+00	0.00E+00	0.00E+00	0.00E+00	-3.87E-02
B04764	-6.96E-03	-1.84E+00	9.69E-03	-1.80E+00	0.00E+00	0.00E+00	-3.50E+00	-2.52E-04	-4.22E-04	-6.88E-03	0.00E+00	-1.48E-08	-2.46E-08	-3.26E-02	-1.16E-02	-3.43E+00	0.00E+00	0.00E+00	-8.00E+00	0.00E+00	-1.14E+01	0.00E+00	-1.17E-08	-1.33E-07	-7.49E-03	0.00E+00	-3.36E+00	0.00E+00	-1.53E-01	-1.76E-05	-1.53E+01	-1.76E-01	-1.40E+00	0.00E+00	0.00E+00	0.00E+00	-4.47E-02
B04765	-8.00E-03	-1.93E+00	-1.49E-02	-1.86E+00	0.00E+00	0.00E+00	-5.60E+00	-2.54E-04	-8.79E-04	-7.29E-03	0.00E+00	0.00E+00	-1.43E-08	-2.46E-08	-3.02E-02	-3.48E+00	0.00E+00	0.00E+00	-9.29E+00	0.00E+00	-1.94E-01	0.00E+00	-8.30E-08	-1.39E-07	-7.37E-03	0.00E+00	-1.43E+00	0.00E+00	-1.83E+00	-2.15E-05	-1.83E+01	-2.13E-01	-1.43E+00	0.00E+00	0.00E+00	0.00E+00	-4.58E-02
B04771	-8.21E-03	-1.82E+00	-1.49E-02	-1.88E+00	0.00E+00	0.00E+00	-3.71E+00	-3.04E-04	-7.94E-04	-1.19E-02	0.00E+00	0.00E+00	-1.31E-08	-2.47E-08	-2.99E-02	-4.43E+00	0.00E+00	0.00E+00	-7.91E+00	-1.39E-03	1.03E-01	0.00E+00	-8.25E-08	-1.22E-07	-7.70E-03	-6.16E-07	-1.52E+00	0.00E+00	-1.50E+00	-2.70E-05	-1.50E+01	-1.80E-01	-1.47E+00	0.00E+00	0.00E+00	0.00E+00	-4.50E-02
B04772	-9.73E-03	-2.08E+00	-2.68E-02	-1.87E+00	0.00E+00	0.00E+00	-4.81E+00	-3.97E-04	-1.15E-03	-1.48E-02	0.00E+00	0.00E+00	-1.47E-08	-3.46E-08	-2.71E-02	-4.87E+00	0.00E+00	0.00E+00	-6.17E+00	0.00E+00	-1.37E-01	0.00E+00	-8.95E-08	-1.41E-07	-8.50E-03	0.00E+00	-1.78E+00	0.00E+00	-1.87E-01	-2.84E-05	-1.87E+01	-1.88E-01	-1.43E+00	0.00E+00	0.00E+00	0.00E+00	-4.50E-02
B04781	-9.36E-03	-2.00E+00	-2.68E-02	-1.85E+00	0.00E+00	0.00E+00	-4.64E+00	-3.97E-04	-1.15E-03	-1.43E-02	0.00E+00	0.00E+00	-1.42E-08	-3.46E-08	-2.71E-02	-4.87E+00	0.00E+00	0.00E+00	-6.17E+00	0.00E+00	-1.37E-01	0.00E+00	-8.95E-08	-1.41E-07	-8.50E-03	0.00E+00	-1.78E+00	0.00E+00	-1.87E-01	-2.84E-05	-1.87E+01	-1.88E-01	-1.43E+00	0.00E+00	0.00E+00	0.00E+00	-4.50E-02
B04782	-1.34E-02	-2.31E+00	-2.99E-02	-2.19E+00	0.00E+00	0.00E+00	-7.44E+00	-5.94E-04	-1.72E-03	-2.09E-02	0.00E+00	0.00E+00	-1.83E-08	-5.55E-08	-3.74E-02	-5.43E+00	0.00E+00	0.00E+00	-8.07E+00	0.00E+00	-1.97E-01	0.00E+00	-1.05E-07	-1.55E-07	-6.83E-03	0.00E+00	-1.88E+00	0.00E+00	-1.98E-01	-3.88E-05	-1.98E+01	-2.30E-01	-1.62E+00	0.00E+00	0.00E+00	0.00E+00	-4.59E-02
B04790	-8.80E-04																																				

	ZAY47902	-1.10E-02	-1.48E-03	-4.93E-03	-1.51E-03	0.00E+00	0.00E+00	-4.06E-03	-8.97E-04	-1.84E-03	-3.29E-02	0.00E+00	-3.09E-03	-1.39E-03	-9.33E-03	-2.28E-01	-1.44E-01	0.00E+00	0.00E+00	-1.28E-01	-8.83E-03	-2.43E-01	0.00E+00	-1.05E-07	-1.37E-02	-8.30E-03	-2.80E+00	0.00E+00	-1.83E-01	-2.97E-05	-1.83E-01	-1.42E-01	-2.30E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-02	
	ZAY47930	-7.86E-03	-1.87E+00	-4.51E-03	-1.71E+00	0.00E+00	0.00E+00	-2.68E+00	-2.57E-04	-1.55E-04	-4.38E-03	0.00E+00	1.22E-05	-1.54E-03	-2.35E-03	-2.88E-02	-8.44E+00	0.00E+00	0.00E+00	-9.31E+00	-1.44E-03	-1.19E+01	0.00E+00	-7.76E-03	-3.88E-07	-6.44E-03	-1.75E-03	3.38E+00	-1.78E+01	2.20E-05	-1.73E+01	-2.21E+01	-1.48E+00	0.00E+00	0.00E+00	-5.05E-02		
	ZAY48537	-1.81E-03	-2.18E-01	-1.78E-03	-1.54E-01	0.00E+00	0.00E+00	-1.20E+00	-8.77E-05	-1.37E-04	-1.74E-03	0.00E+00	-4.27E-03	-1.20E-03	-4.15E-03	-1.34E-02	-6.90E+00	0.00E+00	0.00E+00	-2.38E-01	-1.44E-03	-2.10E+00	0.00E+00	-8.36E-03	-1.17E-03	-1.09E-03	-8.45E-07	-3.02E+00	0.00E+00	-3.54E+00	-4.97E-03	-3.54E+00	-8.11E+00	-2.79E+00	0.00E+00	0.00E+00	6.10E+00	
	ZAY49439	-3.69E-02	-6.88E-01	-4.35E-04	-4.94E-01	0.00E+00	0.00E+00	-1.07E+00	8.52E-03	2.88E-04	-3.65E-03	0.00E+00	-4.27E-04	-3.65E-03	-1.07E-03	-1.18E-02	-3.57E+00	0.00E+00	0.00E+00	0.00E+00	-1.45E-03	-6.97E+00	0.00E+00	-1.77E-03	-3.47E-03	2.39E-02	-8.74E-07	-9.39E-01	0.00E+00	7.77E+00	-8.37E-03	7.77E+00	-6.88E+00	-8.24E-01	0.00E+00	0.00E+00	7.38E-03	
	ZAY49626	-4.05E-02	-6.81E-01	-2.06E-03	-5.98E-01	0.00E+00	0.00E+00	-1.35E+00	-1.46E-04	-4.50E-04	-4.20E-03	0.00E+00	-4.94E-07	-5.98E-03	-1.26E-03	-7.42E-03	-1.41E+01	0.00E+00	0.00E+00	-4.08E+00	-1.32E-04	-8.71E+00	0.00E+00	-2.02E-03	-6.41E-03	-3.97E-03	-8.71E-03	-2.45E+00	0.00E+00	-0.14E+00	-1.30E-03	-6.14E+00	-8.60E+00	-2.12E+00	0.00E+00	0.00E+00	-1.98E-02	
	ZAY60138	-9.83E-03	-3.24E+00	-1.15E-02	-3.04E+00	0.00E+00	0.00E+00	-8.17E+00	-4.35E-04	-1.54E-03	-1.03E-02	0.00E+00	0.00E+00	-2.87E-03	-4.02E-03	-2.89E-02	-6.22E+00	0.00E+00	0.00E+00	-1.57E+01	0.00E+00	-2.65E-01	0.00E+00	-8.24E-03	-2.19E-07	-8.55E-03	0.00E+00	-1.64E+00	0.00E+00	-2.68E+00	-4.45E-03	-2.68E+00	-3.30E+00	-1.57E+00	0.00E+00	0.00E+00	-6.82E+02	
	ZAY69735	-4.33E-03	-8.45E-01	-1.81E-03	-1.15E+00	0.00E+00	0.00E+00	-7.42E+00	-5.27E-05	-4.05E-03	-1.91E-03	0.00E+00	-4.14E+00	-1.96E-03	-3.76E-03	-1.45E-02	-4.37E+00	0.00E+00	0.00E+00	-1.18E+01	-1.44E-03	-8.59E+00	0.00E+00	-4.56E-03	-2.10E-07	-8.72E-03	-8.45E-07	-1.60E+00	0.00E+00	-1.10E+01	-1.80E-03	-1.15E+01	-1.20E+00	0.00E+00	0.00E+00	-4.01E+02		
	ZAY69846	-2.41E-03	-5.59E-01	-2.45E-04	-3.79E-01	0.00E+00	0.00E+00	-1.22E+00	-8.34E-05	-2.79E-04	-3.37E-03	0.00E+00	-4.14E-03	-3.42E-03	-7.98E-03	-1.04E-02	-3.15E+00	0.00E+00	0.00E+00	-2.22E+00	-1.44E-03	-5.58E+00	0.00E+00	-1.77E-03	-3.13E-03	-3.01E-03	-8.45E-07	-8.48E-01	0.00E+00	-8.79E+00	-5.71E+00	-8.78E+00	-8.51E+00	-8.27E-01	0.00E+00	0.00E+00	-7.19E+01	
	ZAY69915	-2.85E-02	-2.47E-01	-8.84E-05	-2.47E-01	0.00E+00	0.00E+00	-9.91E-01	-5.20E-05	-1.41E-04	-1.68E-03	0.00E+00	-2.34E-03	-1.19E-03	-8.83E-03	-2.66E-02	-5.53E+00	0.00E+00	0.00E+00	-4.97E+01	-8.02E-03	-2.56E+00	0.00E+00	3.15E-03	-1.45E-03	-8.84E-04	-4.77E-03	-1.45E+00	0.00E+00	-4.31E+00	-7.45E-03	-4.31E+00	-8.95E+00	-1.25E+00	0.00E+00	0.00E+00	-1.58E+01	
	ZAY70414	-2.33E-03	-1.01E-01	3.09E-02	2.08E-01	0.00E+00	0.00E+00	-1.43E+00	-1.88E-04	1.77E-05	1.23E-03	0.00E+00	0.00E+00	-3.70E+00	-8.40E-03	-7.12E-03	-9.51E-01	0.00E+00	0.00E+00	4.93E+00	0.00E+00	9.91E+00	0.00E+00	-2.00E-03	-2.31E-03	-3.55E-03	0.00E+00	-1.52E+00	0.00E+00	4.30E+00	-1.16E-03	4.30E+00	-4.24E-01	-1.25E+00	0.00E+00	0.00E+00	9.97E+01	
	ZAY70425	-3.89E-03	-4.37E-01	2.81E-02	-1.17E-01	0.00E+00	0.00E+00	-1.71E+00	-2.21E-04	8.89E-05	7.75E-04	0.00E+00	0.00E+00	-4.10E+00	-1.52E-03	9.39E-03	-5.10E+00	0.00E+00	0.00E+00	1.38E+00	0.00E+00	3.18E+00	0.00E+00	-2.14E-03	-4.24E-03	-3.09E-03	0.00E+00	-9.95E-01	0.00E+00	2.82E+00	-1.17E-03	2.82E+00	-2.79E+00	-8.46E-01	0.00E+00	0.00E+00	2.82E-01	
	ZAY70426	-2.33E-03	-1.01E-01	3.09E-02	2.08E-01	0.00E+00	0.00E+00	-1.43E+00	-1.88E-04	1.89E-05	1.48E-03	0.00E+00	0.00E+00	-3.70E+00	-8.40E-03	-7.12E-03	-9.51E-01	0.00E+00	0.00E+00	4.93E+00	0.00E+00	9.91E+00	0.00E+00	-2.00E-03	-2.31E-03	-3.55E-03	0.00E+00	-1.52E+00	0.00E+00	4.30E+00	-1.16E-03	4.30E+00	-4.24E-01	-1.25E+00	0.00E+00	0.00E+00	9.97E+01	
	ZAY750AT	-1.02E-02	-7.53E-01	-5.44E-03	-8.78E-01	0.00E+00	0.00E+00	-2.68E+00	-7.97E-04	-8.33E-04	-1.24E-02	0.00E+00	-1.49E-04	-3.80E-03	-1.06E-07	-2.82E-02	-1.72E+01	0.00E+00	0.00E+00	-8.17E+00	-7.95E-02	-1.68E-01	0.00E+00	-8.74E-03	-7.52E-03	-1.39E-02	-8.16E-03	-2.92E+00	0.00E+00	-9.32E+00	-2.59E-03	-9.32E+00	-1.16E+00	-2.99E+00	0.00E+00	0.00E+00	-1.88E+02	
	ZAY75535	-3.86E-03	-1.83E-01	3.09E-02	1.50E-01	0.00E+00	0.00E+00	-2.38E+00	-2.45E-04	4.88E-05	6.91E-03	0.00E+00	0.00E+00	-3.70E+00	-1.84E-03	1.06E-02	-1.80E+00	0.00E+00	0.00E+00	4.43E+00	0.00E+00	1.12E+00	0.00E+00	-2.14E-03	-2.50E-03	-3.55E-03	0.00E+00	-1.57E+00	0.00E+00	4.15E+00	-1.16E-03	4.15E+00	1.21E-01	-1.39E+00	0.00E+00	0.00E+00	9.46E+01	
	ZAY75539	-1.91E-03	-3.48E-01	1.57E-02	-8.80E-02	0.00E+00	0.00E+00	-1.55E+00	-2.30E-04	8.45E-05	9.70E-04	0.00E+00	0.00E+00	-3.05E-03	-1.40E-03	-1.25E-02	-2.16E+00	0.00E+00	0.00E+00	1.90E+00	0.00E+00	2.05E+00	0.00E+00	-1.37E-03	-2.22E-03	-1.58E-03	0.00E+00	-5.33E-01	0.00E+00	2.19E+00	-8.16E-03	2.19E+00	-7.81E-01	-4.73E-01	0.00E+00	0.00E+00	5.13E+01	
	ZAY75546	-3.25E-03	-4.94E-01	1.81E-02	-1.86E-01	0.00E+00	0.00E+00	-1.52E+00	-2.79E-04	6.10E-04	1.16E-04	0.00E+00	0.00E+00	-4.05E-03	-1.70E-03	-1.18E-02	-4.15E+00	0.00E+00	0.00E+00	1.30E+00	0.00E+00	1.79E+00	0.00E+00	-2.15E-03	-3.58E-03	-2.74E-03	0.00E+00	-1.71E+01	0.00E+00	1.43E+00	-1.43E+00	-2.76E+00	-8.45E-01	0.00E+00	0.00E+00	2.02E+01		
	ZAY75547	-3.25E-03	-4.99E-01	2.81E-02	-1.21E-01	0.00E+00	0.00E+00	-1.82E+00	-2.90E-04	4.57E-05	6.10E-04	0.00E+00	0.00E+00	-4.12E-03	-1.92E-03	-1.18E-02	-4.40E+00	0.00E+00	0.00E+00	1.52E+00	0.00E+00	3.36E+00	0.00E+00	-2.14E-03	-4.07E-03	-3.06E-03	0.00E+00	-1.00E+00	0.00E+00	2.49E+00	-1.12E-03	2.49E+00	-2.97E+00	-6.13E-01	0.00E+00	0.00E+00	2.82E+01	
	ZAY75548	-2.39E-03	-4.99E-01	2.71E-02	-8.74E-02	0.00E+00	0.00E+00	-2.15E+00	-1.83E-04	-1.15E-05	5.84E-04	0.00E+00	0.00E+00	-3.95E-03	-1.07E-03	-1.03E-02	-6.72E+00	0.00E+00	0.00E+00	2.08E+00	0.00E+00	4.45E+00	0.00E+00	-2.30E-03	-3.79E-03	-3.09E-03	0.00E+00	-1.55E+00	0.00E+00	3.94E+00	-8.55E-03	3.94E+00	-1.88E+00	-1.48E+00	0.00E+00	0.00E+00	8.05E+01	
	ZAY75549	-2.71E-03	-4.53E-01	2.81E-02	-3.24E-02	0.00E+00	0.00E+00	-2.05E+00	-2.42E-04	2.27E-05	6.23E-04	0.00E+00	0.00E+00	-3.86E-03	-1.60E-03	-1.21E-02	-6.31E+00	0.00E+00	0.00E+00	1.88E+00	0.00E+00	3.75E+00	0.00E+00	-2.10E-03	-3.56E-03	-2.84E-03	0.00E+00	-8.66E-01	0.00E+00	3.00E+00	-8.66E-03	3.00E+00	-1.80E+00	-7.58E-01	0.00E+00	0.00E+00	5.40E+01	
	ZAY75570	-2.71E-03	-4.71E-01	2.79E-02	-8.74E-02	0.00E+00	0.00E+00	-2.27E+00	-2.52E-04	-5.18E-05	6.23E-04	0.00E+00	0.00E+00	-3.86E-03	-1.60E-03	-1.22E-02	-6.77E+00	0.00E+00	0.00E+00	2.12E+00	0.00E+00	4.59E+00	0.00E+00	-2.30E-03	-3.79E-03	-2.86E-03	0.00E+00	-1.55E+00	0.00E+00	3.10E+00	-9.66E-03	3.10E+00	-1.76E+00	-1.45E+00	0.00E+00	0.00E+00	6.85E+01	
	ZAY75571	-2.85E-03	-2.86E-01	2.85E-02	1.91E-01	0.00E+00	0.00E+00	-1.36E+00	-3.35E-04	1.76E-05	1.36E-03	0.00E+00	0.00E+00	-1.21E-03	-2.43E-03	-1.15E-02	-8.47E+00	0.00E+00	0.00E+00	3.44E+00	0.00E+00	3.56E+00	0.00E+00	-2.80E-03	-8.89E-03	-1.15E-03	0.00E+00	-2.90E+00	0.00E+00	2.34E+00	-2.90E+00	-2.90E+00	-2.90E+00	0.00E+00	0.00E+00	1.94E+02		
	ZAY76777	-2.80E-03	-2.27E-01	-1.38E-03	-2.48E-01	0.00E+00	0.00E+00	-7.77E-01	-8.15E-05	4.54E-05	-1.88E-03	0.00E+00	0.00E+00	-1.18E-03	-8.70E-03	-1.07E-02	-3.97E+00	0.00E+00	0.00E+00	-3.36E-01	0.00E+00	-2.27E+00	0.00E+00	-8.97E-03	-1.48E-03	-1.09E-03	0.00E+00	-1.43E+00	0.00E+00	-4.54E+00	-7.27E-03	-4.54E+00	-8.84E+00	-1.15E+00	0.00E+00	0.00E+00	0.00E+00	-8.63E+00
	ZAY76960	-4.64E-02	-1.26E+00	2.66E-02	-7.32E-01	0.00E+00	0.00E+00	-5.37E+00	-8.47E-04	8.77E-04	2.09E-04	0.00E+00	0.00E+00	-1.14E-03	-8.47E-03	-1.97E-02	-4.36E+00	0.00E+00	0.00E+00	-2.19E+00	0.00E+00	7.11E+00	0.00E+00	-1.93E-03	-8.57E-03	-3.32E-03	0.00E+00	-1.14E+00	0.00E+00	-1.16E+01	-4.75E-03	-1.16E+01	-4.15E+00	-8.66E-01	0.00E+00	0.00E+00	0.00E+00	6.37E+01
	ZAY76961	-7.65E-03	-1.37E+00	2.66E-02	-8.17E-01	0.00E+00	0.00E+00	-8.00E+00	-5.27E-04	8.26E-04	2.93E-04	0.00E+00	0.00E+00	-1.15E-03	-8.43E-03	-1.79E-02	-4.36E+00	0.00E+00	0.00E+00	-2.89E+00	0.00E+00	7.69E+00	0.00E+00	-1.97E-03	-1.02E-07	-3.54E-03	0.00E+00	-1.20E+00	0.00E+00	-1.22E+01	-5.01E-03	-1.22E+01	-5.44E+00	-1.19E+00	0.00E+00	0.00E+00	-1.20E+02	
	ZAY76963	-6.93E-03	-1.11E+00	2.66E-02	-4.94E-01	0.00E+00	0.00E+00	-8.78E+00	-8.43E-04	-1.91E-03	8.83E-04	0.00E+00	0.00E+00	-7.86E-03	-8.43E-03	-1.89E-02	-1.28E+01	0.00E+00	0.00E+00	2.04E+01	0.00E+00	-2.33E+00	0.00E+00	-3.30E-03	-5.59E-03	-1.27E-02	0.00E+00	-2.48E+00	0.00E+00	-9.64E+00	-4.96E-03	-9.64E+00	-2.32E-01	-2.32E+00	0.00E+00	0.00E+00	-5.12E+01	
	ZAY76964	-8.89E-03	-1.18E+00	2.43E-02	-7.44E-01	0.00E+00	0.00E+00	-8.68E+00	-6.47E-04	-1.75E-03	4.73E-04	0.00E+00	0.00E+00	-1.02E-03	-8.63E-03	-2.13E-02																						