MASTER

phil
m 26
7/18
LA-3695-MS

LOS ALAMOS SCIENTIFIC LABORATORY
of the
University of California
LOS ALAMOS • NEW MEXICO

^6Li and ^7Li Data in the ENDF/B Format

UNITED STATES
ATOMIC ENERGY COMMISSION
CONTRACT W-7405-ENG. 36

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED
Reg

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency Thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

LEGAL NOTICE

This report was prepared as an account of Government sponsored work. Neither the United States, nor the Commission, nor any person acting on behalf of the Commission:

A. Makes any warranty or representation, expressed or implied, with respect to the accuracy, completeness, or usefulness of the information contained in this report, or that the use of any information, apparatus, method, or process disclosed in this report may not infringe privately owned rights; or

B. Assumes any liabilities with respect to the use of, or for damages resulting from the use of any information, apparatus, method, or process disclosed in this report.

As used in the above, "person acting on behalf of the Commission" includes any employee or contractor of the Commission, or employee of such contractor, to the extent that such employee or contractor of the Commission, or employee of such contractor prepares, disseminates, or provides access to, any information pursuant to his employment or contract with the Commission, or his employment with such contractor.

All LA...MS reports are informal documents, usually prepared for a special purpose and primarily prepared for use within the Laboratory rather than for general distribution. This report has not been edited, reviewed, or verified for accuracy. All LA...MS reports express the views of the authors as of the time they were written and do not necessarily reflect the opinions of the Los Alamos Scientific Laboratory or the final opinion of the authors on the subject.

Printed in the United States of America. Available from
Clearinghouse for Federal Scientific and Technical Information
National Bureau of Standards, U. S. Department of Commerce
Springfield, Virginia 22151

Price: Printed Copy \$3.00; Microfiche \$0.65

CFSTI PRICES

H.Q. \$ 3.00; MN 65

LOS ALAMOS SCIENTIFIC LABORATORY
of the
University of California
LOS ALAMOS • NEW MEXICO

Report written: March 1967

Report distributed: June 26, 1967

^6Li and ^7Li Data in the ENDF/B Format

by

M. E. Battat
D. J. Dudziak
R. J. LaBauve

LEGAL NOTICE

This report was prepared as an account of Government sponsored work. Neither the United States, nor the Commission, nor any person acting on behalf of the Commission:

A. Makes any warranty or representation, expressed or implied, with respect to the accuracy, completeness, or usefulness of the information contained in this report, or that the use of any information, apparatus, method, or process disclosed in this report may not infringe privately owned rights; or

B. Assumes any liabilities with respect to the use of, or for damages resulting from the use of any information, apparatus, method, or process disclosed in this report.

As used in the above, "person acting on behalf of the Commission" includes any employee or contractor of the Commission, or employee of such contractor, to the extent that such employee or contractor of the Commission, or employee of such contractor prepares, disseminates, or provides access to, any information pursuant to his employment or contract with the Commission, or his employment with such contractor.

THIS PAGE
WAS INTENTIONALLY
LEFT BLANK

^6Li AND ^7Li DATA IN THE ENDF/B FORMAT

by

M. E. Battat, D. J. Dudziak, and R. J. LaBauve

ABSTRACT

At the Cross Section Evaluation Working Group (CSEWG) Meeting on June 9-10, 1966, at Brookhaven National Laboratory, the Los Alamos Scientific Laboratory was assigned the responsibility of preparing the data for the isotopes ^6Li and ^7Li for the first version of the Evaluated Nuclear Data File/B (ENDF/B) tape. These data have been assembled in the ENDF/B format and sent to the Cross Section Evaluation Center (CSEC) at Brookhaven National Laboratory. Most of the data are from the AWRE data file originated by K. Parker of Aldermaston. Values for $\bar{u}_{\text{LAB}}$ and ξ , along with Legendre coefficients for the elastic scattering angular distributions, were received from H. Alter of Atomics International.

Appendix A of this report presents plots of the original AWRE cross-section data converted to the ENDF/B format. The ENDF/B listings for the ^6Li and ^7Li data, as they appeared on the first version (approximately February 1967) of the ENDF/B tape, are shown in Appendix B.

INTRODUCTION

The initial meeting of the Cross Section Evaluation Working Group (CSEWG) was held at Brookhaven National Laboratory on June 9-10, 1966. The purpose of this meeting was to present the functions of the CSEWG, to describe the Evaluated Nuclear Data File/B (ENDF/B) and its associated processing computer codes,* and to assign responsibility for individual isotopes to the organizations represented on the Working Group. The responsible organization would then prepare a complete set of the required data in the ENDF/B format in time for a complete ENDF/B data tape to be available by January 1967. As a result of this meeting, the Los Alamos Scientific Laboratory was assigned the responsibility for the ^6Li and ^7Li data. This report presents the sources of the data used, the resulting ENDF/B data listings for ^6Li and ^7Li on the

first version (February 1967) of the ENDF/B tape, and some tests of the source data against critical experiments and other data.

The data, as presented in Appendix B, are exactly as they appear on the first version of the ENDF/B tape (ENDF/B Data Tape No. 102, transmitted 2/28/67). This tape has been released to CSEWG members primarily for examination and review. As part of the effort of the Data Testing Subcommittee of the CSEWG, these data for ^6Li and ^7Li are now being reviewed and revised. One particular transcription error which will be corrected on the next version of the tape is for ^7Li (MAT = 1006, MF = 4, MT = 24). The corrected cards appear before the ^7Li tape listing in Appendix B.

SOURCES OF DATA

Most of the cross-section and related data for ^6Li and ^7Li were taken from the AWRE data file originated by Parker.⁽²⁾ Values of the average cosine

*These codes were discussed in detail by Honeck.⁽¹⁾

of the elastic scattering angle in the laboratory system ($\bar{\mu}_{\text{LAB}}$) and of the average logarithmic energy decrement (ξ) were received from Alter⁽³⁾ in the ENDF/B format. Also received from alter in the ENDF/B format were the Legendre coefficients for the elastic scattering angular distribution of both isotopes. These latter data, in the center-of-mass system, are derived from data reported by Alter and Lorenzi⁽⁴⁾ and by Davis and Alter.⁽⁵⁾ Alter's data for these angular distributions are more recent than the point tables in the AWRE file and describe in finer detail the region between 200 and 300 keV for ^6Li (see Figs. 1 and 2 for plots of $\bar{\mu}_{\text{LAB}}$ as determined from both sets of data). Included with the Legendre coefficients (CM system) as received from Alter is an energy-independent transformation matrix relating the coefficients in the laboratory and CM systems. For ^6Li , Alter's values of $\bar{\mu}_{\text{LAB}}$ were checked at various sample points against the second Legendre coefficients, C_1 , in the laboratory system, which were determined from the given Legendre coefficients (CM system) and the transformation matrix. They agreed for all the values checked.

The only changes made in the AWRE data were those necessary to accommodate the ENDF/B format. One significant change is in the energy distribution of secondary neutrons. Wherever the AWRE data

specified a discrete energy loss law with a given reduction factor, the closest corresponding ENDF/B law is that for a discrete energy loss with no reduction factor. Also, for reactions with two secondary neutrons, only one angular law and one energy distribution law are specified for ENDF/B, as opposed to two laws for each in the AWRE data. The data for ^6Li in files (MF) 3 and 4, for reaction type (MT) 4, do not include the $(n,n')\alpha$ reaction from excitation of the first state. These latter data appear in reaction type (MT) 22. The processing codes will be required to recognize and interpret these cases properly.

A FORTRAN IV code has been written to perform most of the transformations from the AWRE format to the ENDF/B format.

In order to check the adequacy of the AWRE data, a multigroup set was derived according to the Hansen prescription.⁽⁶⁾ The central reactivity obtained with this derived set was compared with that obtained using two "standard" multigroup sets (the Hansen-Roach 16-group set⁽⁷⁾ and the Russian 26-group set⁽⁸⁾) in several critical assemblies, namely, Jezebel,⁽⁹⁾ ZPR-6, Assembly No. 2,⁽¹⁰⁾ and ZPR-3, Assembly No. 48.^(11,12) The reactivity quantity computed was the so-called "perturbation cross section," σ_p , given by the formula

$$\sigma_p = \frac{\sum_i v_i \sigma_{Fi} \phi_i \sum_j \chi_j \phi_j^\dagger - \sum_i \sigma_{ai} \phi_i \phi_i^\dagger + \sum_i \phi_i \sum_j \sigma_{i \rightarrow j} (\phi_j^\dagger - \phi_i^\dagger)}{\sum_i \phi_i \phi_i^\dagger}$$

Fig. 1. Comparison of $\bar{\mu}_{\text{LAB}}$ for elastic scatter from Alter's data with that derived from AWRE data for ^6Li .

Fig. 2. Comparison of $\bar{\mu}_{\text{LAB}}$ for elastic scatter from Alter's data with that derived from AWRE data for ^7Li .

TABLE I					
		σ_p for ${}^6\text{Li}$			
Critical System	Calculated Median Fission Energy (MeV) for Core	σ_p (mb)			
		Russian	Hansen-Roach	AWRE	Experimental
Jezebel	1.5	-542	-532	-489	---
Topsy	0.7	-616	-689	-605	-597
ZPR-6/2	0.3	-935	-1131	-1041	---
ZPR-3/48	0.3	-1069	-1215	-1168	---

Fig. 3. ${}^6\text{Li}$ σ_p vs "weighted" peak energy.

The real and adjoint fluxes, ϕ_1 and $\phi_1^\dagger$, used in the calculations were obtained from one-dimensional solutions using the DTF-IV code.⁽¹³⁾

The results of these calculations are given in Table I and Fig. 3 for ${}^6\text{Li}$ and in Table II and Fig. 4 for ${}^7\text{Li}$. The measured data for ${}^6\text{Li}$ and ${}^7\text{Li}$ reactivity in Topsy are also given in these illustrations. The results for ${}^6\text{Li}$ show no great differences between the derived set and the "standard" sets. The substitution of Alter's angular distribution data for elastic scatter should not materially affect these results, as most of the contribution to σ_p comes from capture.

On the other hand, as can be seen from Fig. 4, the σ_p values for the derived set for ${}^7\text{Li}$ seem substantially lower than those for the "standard" sets and the experiment in the range above 0.4 MeV. In this case, the use of Alter's angular distribution data should make a difference, as the ${}^7\text{Li}$ capture cross section in this energy range is negligible.

The abscissa used for Figs. 3 and 4, termed weighted energy, is a parameter which includes the width of the spectrum at half the ordinate at peak energy. This is used to better describe the "soft-

TABLE II					
		σ_p for ${}^7\text{Li}$			
Critical System	Calculated Median Fission Energy (MeV) for Core	σ_p (mb)			
		Russian	Hansen-Roach	AWRE	Experimental
Jezebel	1.5	-12.4	-3.4	-16.8	---
Topsy	0.7	38.1	48.5	16.6	35.0
ZPR-6/2	0.3	6.6	11.9	1.3	---
ZPR-3/48	0.3	-7.9	-11.8	-9.2	---

Fig. 4. ${}^7\text{Li}$ σ_p vs "weighted" peak energy.

ness" or "hardness" of the spectrum; i.e., it gives some measure of the extension of the spectrum into the lower energy region.

ACKNOWLEDGMENT

The authors are indebted to K. Parker of the Atomic Weapons Research Establishment, Aldermaston, for his kind permission to use the data for ${}^6\text{Li}$ and ${}^7\text{Li}$ from the UKAEA Nuclear Data Library.

REFERENCES

1. H. C. Honeck, "A Plan for Establishing a Reference Set of Evaluated Nuclear Data and Its Processing into a Form Suitable for Reactor Calculations," *Trans. Am. Nucl. Soc.* **9**, 2 (1966).
2. S. M. Miller and K. Parker, "List of Data Files Available in the UKAEA Nuclear Data Library as of 15 April 1965," AWRE 0-55/65, Atomic Weapons Research Establishment, Aldermaston, England (1965).
3. H. Alter (private communication).
4. H. Alter and H. J. Lorenzi, "Cross Section Data for Lithium Isotopes in the Energy Range 0.01 to 15 MeV," NAA-SR-MEMO-9028, Atomics International (1963).
5. S. K. Davis, H. Alter, R. F. Berland, and C. L. Dunford, "Compilation Evaluation and Reduction of Neutron Differential Scattering Data," NAA-SR-11980, Vol. IV, Atomics International (to be published).

6. G. E. Hansen and W. H. Roach, "Six and Sixteen Group Cross Sections for Fast and Intermediate Critical Facilities," LAMS-2543, Los Alamos Scientific Laboratory (1961).
7. "Los Alamos Group-Averaged Cross Sections," L. D. Connolly, ed., LAMS-2941, Los Alamos Scientific Laboratory (1963).
8. Group Constants for Nuclear Reactor Calculations, I. I. Bondarenko, ed., Consultants Bureau translation (1964).
9. L. B. Engle, G. E. Hansen, and H. C. Paxton, Nucl. Sci. Engr. 8, 543 (1960).
10. G. K. Rusch et al., "Investigation of a 600 Liter Uranium Carbide Core (ZPR-VI, Assembly No. 2)," ANL-7010, p. 91, Argonne National Laboratory (1965).
11. W. G. Davey, "Intercomparison of Calculations for a Dilute Plutonium-Fueled Fast Critical Assembly (ZPR-3, Assembly 48)," Int. Conf. on Fast Critical Experiments and Their Analysis, Argonne National Laboratory, October 10-13, 1966 (proceedings to be published).
12. B. C. Cerutti et al., Nucl. Sci. Engr. 1, 126 (1956).
13. K. D. Lathrop, "DTF-IV, A FORTRAN-IV Program for Solving the Multigroup Transport Equation with Anisotropic Scattering," LA-3373, Los Alamos Scientific Laboratory (1965).

APPENDIX A

The smooth cross sections of ${}^6\text{Li}$ plotted from the ENDF/B data are shown in Figs. A.1 through A.9, and those for ${}^7\text{Li}$ are shown in Figs. A.10 through A.18.

Fig. A.1. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA-TOT (MT = 1).

Fig. A.2. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,N) (MT = 2).

Fig. A.3. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA-NE (MT = 3).

Fig. A.4. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,N*) (MT = 4).

Fig. A.5. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,N*ALPHA) (MT = 22).

Fig. A.6. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,2N-ALPHA) (MT = 24).

Fig. A.7. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,GMA) (MT = 102).

Fig. A.8. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,P) (MT = 103).

Fig. A.9. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,ALPHA) (MT = 107).

Fig. A.10. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA-TOT (MT = 1).

Fig. A.11. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,N) (MT = 2).

Fig. A.12. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA-NE (MT = 3).

Fig. A.13. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,N*) (MT = 4).

Fig. A.14. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,2N) (MT = 16).

Fig. A.15. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,N*ALPHA) (MT = 22).

Fig. A.16. ^7Li (ENDF/B MAT = 1006) SIGMA(N,2N-ALPHA) (MT = 24).

Fig. A.17. ^7Li (ENDF/B MAT = 1006) SIGMA(N,GMA) (MT = 102).

Fig. A.18. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,D) (MT = 104).

APPENDIX B

Tables B.1 and B.2 present the complete ENDF/B data file listings for ${}^6\text{Li}$ and ${}^7\text{Li}$, respectively.

TABLE B.1

${}^6\text{Li}$ DATA AS IT APPEARED ON THE FIRST VERSION OF THE ENDF/B TAPE (February 28, 1967).

3006.	5.9674 +00	0	0.	0	01005 1451	1
0.0	0.0	0	0	22	01005 1451	2
LITHIUM-6 NEUTRON CROSS SECTION DATA MATERIAL 1005 ENDF/B					1005 1451	3
DATA FOR LI-6 FOR NEUTRONS IN THE ENERGY RANGE 0.001 EV TO 15 MEV					1005 1451	4
AWRE DATA -- DATA FILE NUMBER (DFN) 214. AS PFR AWRE REPORT NO.					1005 1451	5
O-55/65. IN O-55/65 IT IS STATED THAT DFN 214 IS THE SAME AS					1005 1451	6
DFN 181 BUT WITH HIGHER (N,GAMMA) CROSS SECTIONS. THE DATA FOR					1005 1451	7
DFN 181 ARE DISCUSSED IN AWRE REPORT NO. O-60/64					1005 1451	8
ANGULAR DISTRIBUTION FOR ELASTIC SCATTER(MF=4,MT=2) FROM H ALTER.					1005 1451	9
ENERGY DISTRIBUTION FOR (N,N-ALPHA) REACTION(MF=5,MT=22) CHANGED					1005 1451	10
FROM AWRE LAW2 WITH REDUCTION FACTOR=0.5 TO ENDF/B LAW3, WHICH HAS					1005 1451	11
NO REDUCTION FACTORS.					1005 1451	12
					1005 1451	13
					1005 1451	14
					1005 1451	15
					1005 1451	16
					1005 1451	17
					1005 1451	18

PLEASE REFER ALL QUESTIONS OR COMMENTS REGARDING THESE DATA TO
 R.J. LARAUVE
 LOS ALAMOS SCIENTIFIC LABORATORY
 BOX 1662, LOS ALAMOS, NM 87544

						1005	1451	19
						1005	1451	20
						1005	1451	21
						1005	1451	22
						1005	1451	23
						1005	1451	24
						1005	1	0
						1005	0	0
3006.	5.9634	0	0	0	0	1005	3	1
0.0	0.0	0	0	1	1191005	3	1	28
119	5				1005	3	1	29
1.0000E-03	4.8012E+03	1.0000E-02	1.5011E+03	2.5000E-02	9.6008E+02	1005	3	1
1.0000E-01	4.8097E+02	1.0000E+00	1.5096E+02	1.0000E+01	4.8952E+01	1005	3	1
1.0000E+02	1.5951E+01	4.0000E+02	8.6504E+00	1.0000E+03	5.7502E+00	1005	3	1
2.0000E+03	4.3602E+00	4.0000E+03	3.3401E+00	6.5000E+03	2.8501E+00	1005	3	1
1.0000E+04	2.4501E+00	1.5000E+04	2.1501E+00	2.0000E+04	1.9801E+00	1005	3	1
2.5000E+04	1.8801E+00	3.0000E+04	1.8101E+00	3.5000E+04	1.7700E+00	1005	3	1
4.0000E+04	1.7300E+00	4.5000E+04	1.7000E+00	5.0000E+04	1.6800E+00	1005	3	1
6.0000E+04	1.6500E+00	7.0000E+04	1.6400E+00	8.0000E+04	1.6300E+00	1005	3	1
9.0000E+04	1.6500E+00	1.0000E+05	1.6700E+00	1.1000E+05	1.7400E+00	1005	3	1
1.2000E+05	1.8200E+00	1.3000E+05	1.9200E+00	1.4000E+05	2.0700E+00	1005	3	1
1.5000E+05	2.2600E+00	1.6000E+05	2.4900E+00	1.7000E+05	2.8000E+00	1005	3	1
1.8000E+05	3.2100E+00	1.9000E+05	3.8000E+00	2.0000E+05	4.6500E+00	1005	3	1
2.1000E+05	5.6500E+00	2.2000E+05	6.8000E+00	2.3000E+05	8.3000E+00	1005	3	1
2.4000E+05	9.5000E+00	2.4500E+05	1.0200E+01	2.5000E+05	1.0300E+01	1005	3	1
2.5000E+05	1.0700E+01	2.6000E+05	1.0300E+01	2.7000E+05	9.6000E+00	1005	3	1
2.8000E+05	8.3000E+00	3.0000E+05	6.5000E+00	3.2000E+05	5.3500E+00	1005	3	1
3.4000E+05	4.4500E+00	3.6000E+05	3.8500E+00	3.8000E+05	3.3500E+00	1005	3	1
4.0000E+05	3.0000E+00	4.2500E+05	2.7000E+00	4.5000E+05	2.4400E+00	1005	3	1
4.7500E+05	2.3000E+00	5.0000E+05	2.1700E+00	5.5000E+05	1.9800E+00	1005	3	1
6.0000E+05	1.8700E+00	6.5000E+05	1.7700E+00	7.0000E+05	1.6900E+00	1005	3	1
8.0000E+05	1.5900E+00	9.0000E+05	1.5200E+00	1.0000E+06	1.4700E+00	1005	3	1
1.1000E+06	1.4200E+00	1.2000E+06	1.4000E+00	1.3000E+06	1.3800E+00	1005	3	1
1.4000E+06	1.3600E+00	1.5000E+06	1.3500E+00	1.6000E+06	1.3500E+00	1005	3	1
1.7000E+06	1.3500E+00	1.7180E+06	1.3500E+00	1.8000E+06	1.3600E+00	1005	3	1
1.9000E+06	1.3800E+00	2.0000E+06	1.4000E+00	2.1000E+06	1.4300E+00	1005	3	1
2.2000E+06	1.4800E+00	2.3000E+06	1.5300E+00	2.4000E+06	1.5800E+00	1005	3	1
2.5000E+06	1.6400E+00	2.6000E+06	1.6900E+00	2.7000E+06	1.7300E+00	1005	3	1
2.8000E+06	1.7800E+00	3.0000E+06	1.8650E+00	3.1000E+06	1.8900E+00	1005	3	1
3.1920E+06	1.9200E+00	3.3000E+06	1.9500E+00	3.4000E+06	1.9700E+00	1005	3	1
3.5000E+06	2.0000E+00	3.6000E+06	2.0100E+00	3.8000E+06	2.0400E+00	1005	3	1
4.0000E+06	2.0630E+00	4.1580E+06	2.0700E+00	4.2000E+06	2.0800E+00	1005	3	1
4.4000E+06	2.0600E+00	4.7000E+06	2.0500E+00	5.0000E+06	2.0240E+00	1005	3	1
5.3000E+06	2.0000E+00	5.6000E+06	1.9600E+00	6.0000E+06	1.9210E+00	1005	3	1
6.4000E+06	1.9000E+00	6.6140E+06	1.8800E+00	7.0000E+06	1.8520E+00	1005	3	1
7.2000E+06	1.8300E+00	7.6000E+06	1.8000E+00	8.0000E+06	1.7900E+00	1005	3	1
8.5000E+06	1.7600E+00	9.0000E+06	1.7400E+00	9.5000E+06	1.7100E+00	1005	3	1
1.0000E+07	1.6800E+00	1.0500E+07	1.6600E+00	1.1000E+07	1.6250E+00	1005	3	1
1.1500E+07	1.5900E+00	1.2000E+07	1.5450E+00	1.2500E+07	1.5100E+00	1005	3	1
1.3000E+07	1.4700E+00	1.3500E+07	1.4300E+00	1.4000E+07	1.3900E+00	1005	3	1
1.4500E+07	1.3600E+00	1.5000E+07	1.3250E+00			1005	3	1
						1005	2	0
3006.	5.9634	0	0	0	0	1005	2	2
0.0	0.0	0	0	1	1191005	2	2	72
119	5				1005	2	2	73
1.0000E-03	9.5000E-01	1.0000E-02	9.5000E-01	2.5000E-02	9.5000E-01	1005	3	2
1.0000E-01	9.5000E-01	1.0000E+00	9.5000E-01	1.0000E+01	9.5000E-01	1005	3	2
1.0000E+02	9.5000E-01	4.0000E+02	9.5000E-01	1.0000E+03	9.5000E-01	1005	3	2
2.0000E+03	9.5000E-01	4.0000E+03	9.0000E-01	6.5000E+03	8.1000E-01	1005	3	2
1.0000E+04	7.0000E-01	1.5000E+04	6.7000E-01	2.0000E+04	6.6000E-01	1005	3	2
2.5000E+04	6.5000E-01	3.0000E+04	6.6000E-01	3.5000E+04	6.9000E-01	1005	3	2
4.0000E+04	7.0000E-01	4.5000E+04	7.2000E-01	5.0000E+04	7.3000E-01	1005	3	2
6.0000E+04	7.6000E-01	7.0000E+04	8.0000E-01	8.0000E+04	8.1000E-01	1005	3	2
9.0000E+04	8.4000E-01	1.0000E+05	8.5000E-01	1.1000E+05	9.1000E-01	1005	3	2
1.2000E+05	9.7000E-01	1.3000E+05	1.0500E+00	1.4000E+05	1.1700E+00	1005	3	2
1.5000E+05	1.3200E+00	1.6000E+05	1.5000E+00	1.7000E+05	1.7500E+00	1005	3	2
1.8000E+05	2.0500E+00	1.9000E+05	2.4600E+00	2.0000E+05	3.1000E+00	1005	3	2
2.1000E+05	3.8000E+00	2.2000E+05	4.6000E+00	2.3000E+05	5.9500E+00	1005	3	2
2.4000E+05	6.9500E+00	2.4500E+05	7.5500E+00	2.5000E+05	7.6000E+00	1005	3	2
2.5600E+05	7.9500E+00	2.6000E+05	7.6000E+00	2.7000E+05	7.0000E+00	1005	3	2
2.8000E+05	5.9500E+00	3.0000E+05	4.4000E+00	3.2000E+05	3.5500E+00	1005	3	2
3.4000E+05	2.9000E+00	3.6000E+05	2.5500E+00	3.8000E+05	2.1500E+00	1005	3	2
4.0000E+05	2.0000E+00	4.2500E+05	1.7400E+00	4.5000E+05	1.6800E+00	1005	3	2
4.7500E+05	1.6400E+00	5.0000E+05	1.5800E+00	5.5000E+05	1.5200E+00	1005	3	2

6.0000E+05	1.4700E+00	6.5000E+05	1.3900E+00	7.0000E+05	1.3300E+00	1005	3	2	93
8.0000E+05	1.2600E+00	9.0000E+05	1.2100E+00	1.0000E+06	1.1650E+00	1005	3	2	94
1.1000E+06	1.1350E+00	1.2000E+06	1.1310E+00	1.3000E+06	1.1240E+00	1005	3	2	95
1.4000E+06	1.1130E+00	1.5000E+06	1.1100E+00	1.6000E+06	1.1180E+00	1005	3	2	96
1.7000E+06	1.1250E+00	1.7180E+06	1.1250E+00	1.8000E+06	1.1350E+00	1005	3	2	97
1.9000E+06	1.1520E+00	2.0000E+06	1.1650E+00	2.1000E+06	1.1820E+00	1005	3	2	98
2.2000E+06	1.2170E+00	2.3000E+06	1.2500E+00	2.4000E+06	1.2810E+00	1005	3	2	99
2.5000E+06	1.3250E+00	2.6000E+06	1.3540E+00	2.7000E+06	1.3770E+00	1005	3	2	100
2.8000E+06	1.4040E+00	3.0000E+06	1.4300E+00	3.1000E+06	1.4300E+00	1005	3	2	101
3.1920E+06	1.4260E+00	3.3000E+06	1.4270E+00	3.4000E+06	1.4200E+00	1005	3	2	102
3.5000E+06	1.4100E+00	3.6000E+06	1.4000E+00	3.8000E+06	1.3820E+00	1005	3	2	103
4.0000E+06	1.3600E+00	4.1580E+06	1.3460E+00	4.2000E+06	1.3410E+00	1005	3	2	104
4.4000E+06	1.2990E+00	4.7000E+06	1.2755E+00	5.0000E+06	1.2400E+00	1005	3	2	105
5.3000E+06	1.2180E+00	5.6000E+06	1.1825E+00	6.0000E+06	1.1500E+00	1005	3	2	106
6.4000E+06	1.1480E+00	6.6140E+06	1.1450E+00	7.0000E+06	1.1500E+00	1005	3	2	107
7.2000E+06	1.1525E+00	7.6000E+06	1.1540E+00	8.0000E+06	1.1740E+00	1005	3	2	108
8.5000E+06	1.1765E+00	9.0000E+06	1.1700E+00	9.5000E+06	1.1600E+00	1005	3	2	109
1.0000E+07	1.1410E+00	1.0500E+07	1.1250E+00	1.1000E+07	1.0950E+00	1005	3	2	110
1.1500E+07	1.0630E+00	1.2000E+07	1.0200E+00	1.2500E+07	9.8500E-01	1005	3	2	111
1.3000E+07	9.4500E-01	1.3500E+07	9.0500E-01	1.4000E+07	8.6500E-01	1005	3	2	112
1.4500E+07	8.3500E-01	1.5000E+07	8.0000E-01			1005	3	2	113
						1005	3	0	114
3006.	5.0634	0	0	0	0	01005	3	4	115
0.0	0.0	0	0	1		1191005	3	2	116
	110	5				1005	3	3	117
1.0000E-02	4.8002E+03	1.0000E-02	1.5001E+03	2.5000E-02	9.5905E+02	1005	3	3	118
1.0000E-01	4.8002E+02	1.0000E+00	1.5001E+02	1.0000E+01	4.8002E+01	1005	3	3	119
1.0000E+02	1.5001E+01	4.0000E+02	7.7004E+00	1.0000E+03	4.8002E+00	1005	3	3	120
2.0000E+03	3.4102E+00	4.0000E+03	2.4401E+00	6.5000E+03	2.0401E+00	1005	3	3	121
1.0000E+04	1.7501E+00	1.5000E+04	1.4801E+00	2.0000E+04	1.3201E+00	1005	3	3	122
2.5000E+04	1.2301E+00	3.0000E+04	1.1501E+00	3.5000E+04	1.0800E+00	1005	3	3	123
4.0000E+04	1.0300E+00	4.5000E+04	9.8000E-01	5.0000E+04	9.5003E-01	1005	3	3	124
6.0000E+04	8.9003E-01	7.0000E+04	8.4003E-01	8.0000E+04	8.2002E-01	1005	3	3	125
9.0000E+04	8.1002E-01	1.0000E+05	8.2002E-01	1.1000E+05	8.3002E-01	1005	3	3	126
1.2000E+05	8.5002E-01	1.3000E+05	8.7002E-01	1.4000E+05	9.0002E-01	1005	3	3	127
1.5000E+05	9.4002E-01	1.6000E+05	9.9002E-01	1.7000E+05	1.0500E+00	1005	3	3	128
1.8000E+05	1.1600E+00	1.9000E+05	1.3400E+00	2.0000E+05	1.5500E+00	1005	3	3	129
2.1000E+05	1.8500E+00	2.2000E+05	2.2000E+00	2.3000E+05	2.3500E+00	1005	3	3	130
2.4000E+05	2.5500E+00	2.4500E+05	2.6500E+00	2.5000E+05	2.7000E+00	1005	3	3	131
2.5600E+05	2.7500E+00	2.6000E+05	2.7000E+00	2.7000E+05	2.6000E+00	1005	3	3	132
2.8000E+05	2.3500E+00	3.0000E+05	2.1000E+00	3.2000E+05	1.8000E+00	1005	3	3	133
3.4000E+05	1.5500E+00	3.6000E+05	1.3000E+00	3.8000E+05	1.2000E+00	1005	3	3	134
4.0000E+05	1.0000E+00	4.2500E+05	9.6000E-01	4.5000E+05	7.6000E-01	1005	3	3	135
4.7500E+05	6.6000E-01	5.0000E+05	5.9000E-01	5.5000E+05	4.6000E-01	1005	3	3	136
6.0000E+05	4.0000E-01	6.5000E+05	3.8000E-01	7.0000E+05	3.6000E-01	1005	3	3	137
8.0000E+05	3.3000E-01	9.0000E+05	3.1000E-01	1.0000E+06	3.0500E-01	1005	3	3	138
1.1000E+06	2.8500E-01	1.2000E+06	2.6900E-01	1.3000E+06	2.5600E-01	1005	3	3	139
1.4000E+06	2.4700E-01	1.5000E+06	2.4000E-01	1.6000E+06	2.3200E-01	1005	3	3	140
1.7000E+06	2.2500E-01	1.7180E+06	2.2500E-01	1.8000E+06	2.2500E-01	1005	3	3	141
1.9000E+06	2.2800E-01	2.0000E+06	2.3500E-01	2.1000E+06	2.4800E-01	1005	3	3	142
2.2000E+06	2.6300E-01	2.3000E+06	2.8000E-01	2.4000E+06	2.9900E-01	1005	3	3	143
2.5000E+06	3.1500E-01	2.6000E+06	3.3600E-01	2.7000E+06	3.5300E-01	1005	3	3	144
2.8000E+06	3.7600E-01	3.0000E+06	4.3500E-01	3.1000E+06	4.6000E-01	1005	3	3	145
3.1920E+06	4.9400E-01	3.3000E+06	5.2300E-01	3.4000E+06	5.5200E-01	1005	3	3	146
3.5000E+06	5.9000E-01	3.6000E+06	6.1000E-01	3.8000E+06	6.5800E-01	1005	3	3	147
4.0000E+06	7.0300E-01	4.1580E+06	7.2400E-01	4.2000E+06	7.3900E-01	1005	3	3	148
4.4000E+06	7.6100E-01	4.7000E+06	7.7450E-01	5.0000E+06	7.8400E-01	1005	3	3	149
5.3000E+06	7.8200E-01	5.6000E+06	7.7750E-01	6.0000E+06	7.7100E-01	1005	3	3	150
6.4000E+06	7.5200E-01	6.6140E+06	7.3500E-01	7.0000E+06	7.0200E-01	1005	3	3	151
7.2000E+06	6.7750E-01	7.6000E+06	6.4600E-01	8.0000E+06	6.1600E-01	1005	3	3	152
8.5000E+06	5.8350E-01	9.0000E+06	5.7000E-01	9.5000E+06	5.5000E-01	1005	3	3	153
1.0000E+07	5.3900E-01	1.0500E+07	5.3500E-01	1.1000E+07	5.3000E-01	1005	3	3	154
1.1500E+07	5.2700E-01	1.2000E+07	5.2500E-01	1.2500E+07	5.2500E-01	1005	3	3	155
1.3000E+07	5.2500E-01	1.3500E+07	5.2500E-01	1.4000E+07	5.2500E-01	1005	3	3	156
1.4500E+07	5.2500E-01	1.5000E+07	5.2500E-01			1005	3	3	157
						1005	3	0	158
3006.	5.0634	0	1	0	0	01005	3	4	159
0.0	-3.56	0	0	1		281005	3	4	160
	28	5				1005	3	4	161
4.1580E+06	1.0000E-03	4.2000E+06	1.0000E-03	4.4000E+06	2.0000E-03	1005	3	4	162
4.7000E+06	2.0000E-03	5.0000E+06	2.0000E-03	5.3000E+06	2.0000E-03	1005	3	4	163
5.6000E+06	2.0000E-03	6.0000E+06	2.0000E-03	6.4000E+06	2.0000E-03	1005	3	4	164
6.6140E+06	2.0000E-03	7.0000E+06	3.0000E-03	7.2000E+06	3.0000E-03	1005	3	4	165

7.6000E+06	4.0000E-03	8.0000E+06	4.0000E-03	8.5000E+06	6.0000E-03	1005	3	4	166
9.0000E+06	8.0000E-03	9.5000E+06	1.0000E-02	1.0000E+07	1.1000E-02	1005	3	4	167
1.0500E+07	1.4000E-02	1.1000E+07	1.5000E-02	1.1500E+07	1.7000E-02	1005	3	4	168
1.2000E+07	1.9000E-02	1.2500E+07	2.0000E-02	1.3000E+07	2.0000E-02	1005	3	4	169
1.3500E+07	2.0000E-02	1.4000E+07	2.0000E-02	1.4500E+07	2.0000E-02	1005	3	4	170
1.5000E+07	2.0000E-02					1005	3	4	171
						1005	3	0	172
3006.	5.9634	0	0	0		01005	3	22	173
0.0	-1.471 E+06	0	0	1		491005	3	22	174
	40	5				1005	3	22	175
1.7180E+06	1.0000E-03	1.8000E+06	6.0000E-03	1.9000E+06	1.3000E-02	1005	3	22	176
2.0000E+06	2.5000E-02	2.1000E+06	4.1000E-02	2.2000E+06	6.2000E-02	1005	3	22	177
2.3000E+06	8.3000E-01	2.4000E+06	1.0800E-01	2.5000E+06	1.3000E-01	1005	3	22	178
2.6000E+06	1.5800E-01	2.7000E+06	1.8500E-01	2.8000E+06	2.1800E-01	1005	3	22	179
3.0000E+06	2.9000E-01	3.1000E+06	3.2100E-01	3.1920E+06	3.5700E-01	1005	3	22	180
3.3000E+06	3.9000E-01	3.4000E+06	4.2000E-01	3.5000E+06	4.6000E-01	1005	3	22	181
3.6000E+06	4.8000E-01	3.8000E+06	5.3000E-01	4.0000E+06	5.8100E-01	1005	3	22	182
4.1580E+06	6.0500E-01	4.2000E+06	6.2000E-01	4.4000E+06	6.4500E-01	1005	3	22	183
4.7000E+06	6.6500E-01	5.0000E+06	6.8000E-01	5.3000E+06	6.8200E-01	1005	3	22	184
5.6000E+06	6.8400E-01	6.0000E+06	6.8300E-01	6.4000E+06	6.7000E-01	1005	3	22	185
6.6140E+06	6.9500E-01	7.0000E+06	6.2500E-01	7.2000E+06	6.0200E-01	1005	3	22	186
7.6000E+06	5.7000E-01	8.0000E+06	5.4000E-01	8.5000E+06	5.0500E-01	1005	3	22	187
9.0000E+06	4.8500E-01	9.5000E+06	4.6000E-01	1.0000E+07	4.4500E-01	1005	3	22	188
1.0500E+07	4.3400E-01	1.1000E+07	4.2500E-01	1.1500E+07	4.1600E-01	1005	3	22	189
1.2000E+07	4.1000E-01	1.2500E+07	4.0700E-01	1.3000E+07	4.0500E-01	1005	3	22	190
1.3500E+07	4.0400E-01	1.4000E+07	4.0300E-01	1.4500E+07	4.0100E-01	1005	3	22	191
1.5000E+07	4.0000E-01					1005	3	22	192
						1005	3	0	193
3006.	5.9634	0	0	0		01005	3	24	194
0.0	-3.696 E+06	0	0	1		191005	3	24	195
	10	5				1005	3	24	196
6.6140E+06	1.0000E-03	7.0000E+06	1.0000E-03	7.2000E+06	2.0000E-03	1005	3	24	197
7.6000E+06	5.0000E-03	8.0000E+06	9.0000E-03	8.5000E+06	1.4000E-02	1005	3	24	198
9.0000E+06	2.1000E-02	9.5000E+06	2.8000E-02	1.0000E+07	3.4000E-02	1005	3	24	199
1.0500E+07	4.0000E-02	1.1000E+07	4.6000E-02	1.1500E+07	5.1000E-02	1005	3	24	200
1.2000E+07	5.6000E-02	1.2500E+07	6.0000E-02	1.3000E+07	6.4000E-02	1005	3	24	201
1.3500E+07	6.6000E-02	1.4000E+07	6.9000E-02	1.4500E+07	7.2000E-02	1005	3	24	202
1.5000E+07	7.4000E-02					1005	3	24	203
						1005	3	0	204
3006.	5.9634	0	0	0		01005	3	102	205
0.0	7.252 E+06	0	0	1		1191005	3	102	206
	110	5				1005	3	102	207
1.0000E-01	2.2500E-01	1.0000E-02	7.1000E-02	2.5000E-02	4.5000E-02	1005	3	102	208
1.0000E-03	2.2500E+01	1.0000E+00	7.1000E-03	1.0000E+01	2.2000E-03	1005	3	102	209
1.0000E+02	7.1000E-04	4.0000E+02	3.5000E-04	1.0000E+03	2.2000E-04	1005	3	102	210
2.0000E+03	1.6000E-04	4.0000E+03	1.1000E-04	6.5000E+03	9.0000E-05	1005	3	102	211
1.0000E+04	7.0000E-05	1.5000E+04	6.0000E-05	2.0000E+04	5.0000E-05	1005	3	102	212
2.5000E+04	5.0000E-05	3.0000E+04	5.0000E-05	3.5000E+04	4.0000E-05	1005	3	102	213
4.0000E+04	4.0000E-05	4.5000E+04	3.0000E-05	5.0000E+04	3.0000E-05	1005	3	102	214
6.0000E+04	3.0000E-05	7.0000E+04	3.0000E-05	8.0000E+04	2.0000E-05	1005	3	102	215
9.0000E+04	2.0000E-05	1.0000E+05	2.0000E-05	1.1000E+05	2.0000E-05	1005	3	102	216
1.2000E+05	2.0000E-05	1.3000E+05	2.0000E-05	1.4000E+05	2.0000E-05	1005	3	102	217
1.5000E+05	2.0000E-05	1.6000E+05	2.0000E-05	1.7000E+05	2.0000E-05	1005	3	102	218
1.8000E+05	2.0000E-05	1.9000E+05	2.0000E-05	2.0000E+05	2.0000E-05	1005	3	102	219
2.1000E+05	2.0000E-05	2.2000E+05	2.0000E-05	2.3000E+05	2.0000E-05	1005	3	102	220
2.4000E+05	2.0000E-05	2.4500E+05	1.0000E-05	2.5000E+05	1.0000E-05	1005	3	102	221
2.5600E+05	1.0000E-05	2.6000E+05	1.0000E-05	2.7000E+05	1.0000E-05	1005	3	102	222
2.8000E+05	1.0000E-05	3.0000E+05	1.0000E-05	3.2000E+05	1.0000E-05	1005	3	102	223
3.4000E+05	1.0000E-05	3.6000E+05	1.0000E-05	3.8000E+05	1.0000E-05	1005	3	102	224
4.0000E+05	1.0000E-05	4.2500E+05	1.0000E-05	4.5000E+05	1.0000E-05	1005	3	102	225
4.7500E+05	1.0000E-05	5.0000E+05	1.0000E-05	5.5000E+05	1.0000E-05	1005	3	102	226
6.0000E+05	1.0000E-05	6.5000E+05	1.0000E-05	7.0000E+05	1.0000E-05	1005	3	102	227
8.0000E+05	1.0000E-05	9.0000E+05	1.0000E-05	1.0000E+06	1.0000E-05	1005	3	102	228
1.1000E+06	1.0000E-05	1.2000E+06	1.0000E-05	1.3000E+06	1.0000E-05	1005	3	102	229
1.4000E+06	1.0000E-05	1.5000E+06	1.0000E-05	1.6000E+06	1.0000E-05	1005	3	102	230
1.7000E+06	1.0000E-05	1.7180E+06	1.0000E-05	1.8000E+06	1.0000E-05	1005	3	102	231
1.9000E+06	1.0000E-05	2.0000E+06	1.0000E-05	2.1000E+06	1.0000E-05	1005	3	102	232
2.2000E+06	1.0000E-05	2.3000E+06	1.0000E-05	2.4000E+06	1.0000E-05	1005	3	102	233
2.5000E+06	1.0000E-05	2.6000E+06	1.0000E-05	2.7000E+06	1.0000E-05	1005	3	102	234
2.8000E+06	1.0000E-05	3.0000E+06	1.0000E-05	3.1000E+06	1.0000E-05	1005	3	102	235
3.1920E+06	1.0000E-05	3.3000E+06	1.0000E-05	3.4000E+06	1.0000E-05	1005	3	102	236
3.5000E+06	1.0000E-05	3.6000E+06	1.0000E-05	3.8000E+06	1.0000E-05	1005	3	102	237
4.0000E+06	1.0000E-05	4.1580E+06	1.0000E-05	4.2000E+06	1.0000E-05	1005	3	102	238
4.4000E+06	1.0000E-05	4.7000E+06	1.0000E-05	5.0000E+06	1.0000E-05	1005	3	102	239

5.3000E+06	1.0000E-05	5.6000E+06	1.0000E-05	6.0000E+06	1.0000E-05	1005	3102	240
6.4000E+06	1.0000E-05	6.6140E+06	1.0000E-05	7.0000E+06	1.0000E-05	1005	3102	241
7.2000E+06	1.0000E-05	7.6000E+06	1.0000E-05	8.0000E+06	1.0000E-05	1005	3102	242
8.5000E+06	1.0000E-05	9.0000E+06	1.0000E-05	9.5000E+06	1.0000E-05	1005	3102	243
1.0000E+07	1.0000E-05	1.0500E+07	1.0000E-05	1.1000E+07	1.0000E-05	1005	3102	244
1.1500E+07	1.0000E-05	1.2000E+07	1.0000E-05	1.2500E+07	1.0000E-05	1005	3102	245
1.3000E+07	1.0000E-05	1.3500E+07	1.0000E-05	1.4000E+07	1.0000E-05	1005	3102	246
1.4500E+07	1.0000E-05	1.5000E+07	1.0000E-05			1005	3102	247
3006.	5.9634	0	0	0	0	1005	3103	248
0.0	-2.733 E+06	0	0	1	351005	3103	250	
	25	5			1005	3103	251	
3.1920E+06	1.0000E-03	3.3000E+06	1.0000E-03	3.4000E+06	2.0000E-03	1005	3103	252
3.5000E+06	5.0000E-03	3.6000E+06	9.0000E-03	3.8000E+06	1.4000E-02	1005	3103	253
4.0000E+06	1.5000E-02	4.1580E+06	1.6000E-02	4.2000E+06	1.7000E-02	1005	3103	254
4.4000E+06	1.8000E-02	4.7000E+06	1.8500E-02	5.0000E+06	1.9000E-02	1005	3103	255
5.3000E+06	1.9000E-02	5.6000E+06	1.8500E-02	6.0000E+06	1.8000E-02	1005	3103	256
6.4000E+06	1.7000E-02	6.6140E+06	1.7000E-02	7.0000E+06	1.6000E-02	1005	3103	257
7.2000E+06	1.5500E-02	7.6000E+06	1.5000E-02	8.0000E+06	1.4000E-02	1005	3103	258
8.5000E+06	1.2500E-02	9.0000E+06	1.3000E-02	9.5000E+06	1.2000E-02	1005	3103	259
1.0000E+07	1.1000E-02	1.0500E+07	1.1000E-02	1.1000E+07	1.0000E-02	1005	3103	260
1.1500E+07	1.0000E-02	1.2000E+07	9.0000E-03	1.2500E+07	9.0000E-03	1005	3103	261
1.3000E+07	8.0000E-03	1.3500E+07	8.0000E-03	1.4000E+07	7.0000E-03	1005	3103	262
1.4500E+07	7.0000E-03	1.5000E+07	6.0000E-03			1005	3103	263
3006.	5.9634	0	0	0	0	1005	3107	264
0.0	4.786 E+06	0	0	1	1191005	3107	265	
	119	5			1005	3107	267	
✓ 1.0000E-03	4.8000E+03	1.0000E-02	1.5000E+03	2.5000E-02	9.5900E+02	1005	3107	268
1.0000E-01	4.8000E+02	1.0000E+00	1.5000E+02	1.0000E+01	4.8000E+01	1005	3107	269
1.0000E+02	1.5000E+01	4.0000E+02	7.7000E+00	1.0000E+03	4.8000E+01	1005	3107	270
2.0000E+03	3.4100E+00	4.0000E+03	2.4401E+00	6.5000E+03	2.0400E+01	1005	3107	271
1.0000E+04	1.7500E+00	1.5000E+04	1.4800E+00	2.0000E+04	1.3200E+01	1005	3107	272
2.5000E+04	1.2300E+00	3.0000E+04	1.1500E+00	3.5000E+04	1.0800E+01	1005	3107	273
4.0000E+04	1.0300E+00	4.5000E+04	9.8000E-01	5.0000E+04	9.5000E-01	1005	3107	274
6.0000E+04	8.9000E-01	7.0000E+04	8.4000E-01	8.0000E+04	8.2000E-01	1005	3107	275
9.0000E+04	8.1000E-01	1.0000E+05	8.2000E-01	1.1000E+05	8.3000E-01	1005	3107	276
1.2000E+05	8.5000E-01	1.3000E+05	8.7000E-01	1.4000E+05	9.0000E-01	1005	3107	277
1.5000E+05	9.4000E-01	1.6000E+05	9.9000E-01	1.7000E+05	1.0500E+00	1005	3107	278
1.8000E+05	1.1600E+00	1.9000E+05	1.3400E+00	2.0000E+05	1.5500E+00	1005	3107	279
2.1000E+05	1.8500E+00	2.2000E+05	2.2000E+00	2.3000E+05	2.3500E+00	1005	3107	280
2.4000E+05	2.5300E+00	2.4500E+05	2.6500E+00	2.5000E+05	2.7000E+00	1005	3107	281
2.5600E+05	2.7500E+00	2.6000E+05	2.7000E+00	2.7000E+05	2.6000E+00	1005	3107	282
2.8000E+05	2.3500E+00	3.0000E+05	2.1000E+00	3.2000E+05	1.8000E+00	1005	3107	283
3.4000E+05	1.5500E+00	3.6000E+05	1.3000E+00	3.8000E+05	1.2000E+00	1005	3107	284
4.0000E+05	1.0000E+00	4.2500E+05	9.6000E-01	4.5000E+05	7.6000E-01	1005	3107	285
4.7500E+05	6.6000E-01	5.0000E+05	5.9000E-01	5.5000E+05	4.6000E-01	1005	3107	286
6.0000E+05	4.0000E-01	6.5000E+05	3.8000E-01	7.0000E+05	3.6000E-01	1005	3107	287
8.0000E+05	3.3000E-01	9.0000E+05	3.1000E-01	1.0000E+06	3.0500E-01	1005	3107	288
1.1000E+06	2.8500E-01	1.2000E+06	2.6900E-01	1.3000E+06	2.5600E-01	1005	3107	289
1.4000E+06	2.4700E-01	1.5000E+06	2.4000E-01	1.6000E+06	2.3200E-01	1005	3107	290
1.7000E+06	2.2500E-01	1.7180E+06	2.2400E-01	1.8000E+06	2.1900E-01	1005	3107	291
1.9000E+06	2.1500E-01	2.0000E+06	2.1000E-01	2.1000E+06	2.0700E-01	1005	3107	292
2.2000E+06	2.0100E-01	2.3000E+06	1.9700E-01	2.4000E+06	1.9100E-01	1005	3107	293
2.5000E+06	1.8500E-01	2.6000E+06	1.7800E-01	2.7000E+06	1.6800E-01	1005	3107	294
2.8000E+06	1.5800E-01	3.0000E+06	1.4500E-01	3.1000E+06	1.3900E-01	1005	3107	295
3.1920E+06	1.3600E-01	3.3000E+06	1.3200E-01	3.4000E+06	1.2800E-01	1005	3107	296
3.5000E+06	1.2500E-01	3.6000E+06	1.2100E-01	3.8000E+06	1.1400E-01	1005	3107	297
4.0000E+06	1.0700E-01	4.1580E+06	1.0200E-01	4.2000E+06	1.0100E-01	1005	3107	298
4.4000E+06	9.6000E-02	4.7000E+06	8.9000E-02	5.0000E+06	8.3000E-02	1005	3107	299
5.3000E+06	7.9000E-02	5.6000E+06	7.3000E-02	6.0000E+06	6.8000E-02	1005	3107	300
6.4000E+06	6.3000E-02	6.6140E+06	6.0000E-02	7.0000E+06	5.7000E-02	1005	3107	301
7.2000E+06	5.5000E-02	7.6000E+06	5.2000E-02	8.0000E+06	4.9000E-02	1005	3107	302
8.5000E+06	4.6000E-02	9.0000E+06	4.3000E-02	9.5000E+06	4.0000E-02	1005	3107	303
1.0000E+07	3.8000E-02	1.0500E+07	3.6000E-02	1.1000E+07	3.4000E-02	1005	3107	304
1.1500E+07	3.3000E-02	1.2000E+07	3.1000E-02	1.2500E+07	2.9000E-02	1005	3107	305
1.3000E+07	2.8000E-02	1.3500E+07	2.7000E-02	1.4000E+07	2.6000E-02	1005	3107	306
1.4500E+07	2.5000E-02	1.5000E+07	2.5000E-02			1005	3107	307
3006.	5.9634	0	0	0	0	1005	3251	308
0.0	0.0	0	0	2	2721005	3251	310	
	2	272	3		1005	3251	311	
✓ 1.0000E-03	1.10797-01	1.0000E+04	1.10797-01	1.1000E+04	1.10496-01	1005	3251	312
1.2000E+04	1.10194-01	1.3000E+04	1.09892-01	1.4000E+04	1.09591-01	1005	3251	313

1.500000+04	1.09289-01	1.600000+04	1.08987-01	1.700000+04	1.08686-011005	3251	314
1.800000+04	1.08384-01	1.900000+04	1.08082-01	2.000000+04	1.07781-011005	3251	315
2.100000+04	1.07479-01	2.200000+04	1.07178-01	2.300000+04	1.06876-011005	3251	316
2.400000+04	1.06574-01	2.500000+04	1.06273-01	2.600000+04	1.05971-011005	3251	317
2.700000+04	1.05669-01	2.800000+04	1.05368-01	2.900000+04	1.05066-011005	3251	318
3.000000+04	1.04764-01	3.100000+04	1.04463-01	3.200000+04	1.04161-011005	3251	319
3.300000+04	1.03859-01	3.400000+04	1.03558-01	3.500000+04	1.03256-011005	3251	320
3.600000+04	1.02954-01	3.700000+04	1.02653-01	3.800000+04	1.02351-011005	3251	321
3.900000+04	1.02049-01	4.000000+04	1.01748-01	4.100000+04	1.01446-011005	3251	322
4.200000+04	1.01145-01	4.300000+04	1.00843-01	4.400000+04	1.00541-011005	3251	323
4.500000+04	1.00240-01	4.600000+04	9.99979-02	4.700000+04	9.96363-021005	3251	324
4.800000+04	9.93346-02	4.900000+04	9.90330-02	5.000000+04	9.87313-021005	3251	325
5.100000+04	9.84297-02	5.200000+04	9.81280-02	5.300000+04	9.78264-021005	3251	326
5.400000+04	9.75247-02	5.500000+04	9.72231-02	5.600000+04	9.69214-021005	3251	327
5.700000+04	9.66198-02	5.800000+04	9.63182-02	5.900000+04	9.60165-021005	3251	328
6.000000+04	9.57149-02	6.100000+04	9.54132-02	6.200000+04	9.51116-021005	3251	329
6.300000+04	9.48099-02	6.400000+04	9.45083-02	6.500000+04	9.42066-021005	3251	330
6.600000+04	9.39050-02	6.700000+04	9.36033-02	6.800000+04	9.33017-021005	3251	331
6.900000+04	9.30000-02	7.000000+04	9.26984-02	7.100000+04	9.23967-021005	3251	332
7.200000+04	9.20951-02	7.300000+04	9.17934-02	7.400000+04	9.14918-021005	3251	333
7.500000+04	9.11901-02	7.600000+04	9.08885-02	7.700000+04	9.05868-021005	3251	334
7.800000+04	9.02852-02	7.900000+04	8.99835-02	8.000000+04	8.96819-021005	3251	335
8.100000+04	8.93802-02	8.200000+04	8.90786-02	8.300000+04	8.87769-021005	3251	336
8.400000+04	8.84753-02	8.500000+04	8.81736-02	8.600000+04	8.78720-021005	3251	337
8.700000+04	8.75703-02	8.800000+04	8.72687-02	8.900000+04	8.69670-021005	3251	338
9.000000+04	8.66654-02	9.100000+04	8.63637-02	9.200000+04	8.60621-021005	3251	339
9.300000+04	8.57604-02	9.400000+04	8.54588-02	9.500000+04	8.51571-021005	3251	340
9.600000+04	8.48555-02	9.700000+04	8.45538-02	9.800000+04	8.42522-021005	3251	341
9.900000+04	8.39506-02	1.000000+05	8.36489-02	1.100000+05	8.06324-021005	3251	342
1.200000+05	7.76159-02	1.300000+05	7.45994-02	1.400000+05	7.15830-021005	3251	343
1.500000+05	6.85665-02	1.600000+05	6.55500-02	1.700000+05	6.25335-021005	3251	344
1.800000+05	5.95170-02	1.900000+05	5.65005-02	2.000000+05	5.34840-021005	3251	345
2.100000+05	5.04675-02	2.200000+05	3.74826-02	2.300000+05	5.45438-021005	3251	346
2.400000+05	8.90288-02	2.500000+05	9.96903-02	2.600000+05	1.83318-011005	3251	347
2.700000+05	1.27690-01	2.800000+05	1.70273-01	2.900000+05	2.36649-011005	3251	348
3.000000+05	3.03026-01	3.100000+05	3.02808-01	3.200000+05	3.02589-011005	3251	349
3.300000+05	3.02371-01	3.400000+05	3.02152-01	3.500000+05	3.01934-011005	3251	350
3.600000+05	3.01715-01	3.700000+05	3.01497-01	3.800000+05	3.01278-011005	3251	351
3.900000+05	3.01060-01	4.000000+05	3.00841-01	4.100000+05	3.00623-011005	3251	352
4.200000+05	3.00404-01	4.300000+05	3.00185-01	4.400000+05	2.99967-011005	3251	353
4.500000+05	2.99748-01	4.600000+05	2.99530-01	4.700000+05	2.99311-011005	3251	354
4.800000+05	2.99093-01	4.900000+05	2.98874-01	5.000000+05	2.98656-011005	3251	355
5.100000+05	2.98437-01	5.200000+05	2.98219-01	5.300000+05	2.98000-011005	3251	356
5.400000+05	2.97782-01	5.500000+05	2.97563-01	5.600000+05	2.97345-011005	3251	357
5.700000+05	2.97126-01	5.800000+05	2.96908-01	5.900000+05	2.96689-011005	3251	358
6.000000+05	2.96471-01	6.100000+05	2.96252-01	6.200000+05	2.96034-011005	3251	359
6.300000+05	2.95815-01	6.400000+05	2.95597-01	6.500000+05	2.95378-011005	3251	360
6.600000+05	2.95160-01	6.700000+05	2.94941-01	6.800000+05	2.94723-011005	3251	361
6.900000+05	2.94504-01	7.000000+05	2.94286-01	7.100000+05	2.94067-011005	3251	362
7.200000+05	2.93849-01	7.300000+05	2.93630-01	7.400000+05	2.93412-011005	3251	363
7.500000+05	2.93193-01	7.600000+05	2.92975-01	7.700000+05	2.92756-011005	3251	364
7.800000+05	2.92538-01	7.900000+05	2.92319-01	8.000000+05	2.92101-011005	3251	365
8.100000+05	2.91882-01	8.200000+05	2.91664-01	8.300000+05	2.91445-011005	3251	366
8.400000+05	2.91227-01	8.500000+05	2.91008-01	8.600000+05	2.90790-011005	3251	367
8.700000+05	2.90571-01	8.800000+05	2.90353-01	8.900000+05	2.90134-011005	3251	368
9.000000+05	2.89916-01	9.100000+05	2.89697-01	9.200000+05	2.89479-011005	3251	369
9.300000+05	2.89260-01	9.400000+05	2.89041-01	9.500000+05	2.88823-011005	3251	370
9.600000+05	2.88604-01	9.700000+05	2.88386-01	9.800000+05	2.88167-011005	3251	371
9.900000+05	2.87949-01	1.000000+06	2.87730-01	1.100000+06	2.85545-011005	3251	372
1.200000+06	2.83360-01	1.300000+06	2.81175-01	1.400000+06	2.78990-011005	3251	373
1.500000+06	2.76805-01	1.600000+06	2.74620-01	1.700000+06	2.72435-011005	3251	374
1.800000+06	2.70250-01	1.900000+06	2.68065-01	2.000000+06	2.65879-011005	3251	375
2.100000+06	2.63694-01	2.200000+06	2.61509-01	2.300000+06	2.59324-011005	3251	376
2.400000+06	2.57139-01	2.500000+06	2.54954-01	2.600000+06	2.52769-011005	3251	377
2.700000+06	2.50584-01	2.800000+06	2.48399-01	2.900000+06	2.46214-011005	3251	378
3.000000+06	2.44028-01	3.100000+06	2.41843-01	3.200000+06	2.39658-011005	3251	379
3.300000+06	2.37473-01	3.400000+06	2.44027-01	3.500000+06	2.59321-011005	3251	380
3.600000+06	2.74615-01	3.700000+06	2.89908-01	3.800000+06	3.05202-011005	3251	381
3.900000+06	3.20495-01	4.000000+06	3.35789-01	4.100000+06	3.51316-011005	3251	382
4.200000+06	3.66844-01	4.300000+06	3.82371-01	4.400000+06	3.97899-011005	3251	383
4.500000+06	4.13426-01	4.600000+06	4.28954-01	4.700000+06	4.44481-011005	3251	384
4.800000+06	4.60008-01	4.900000+06	4.75536-01	5.000000+06	4.91063-011005	3251	385
5.100000+06	5.06591-01	5.200000+06	5.15622-01	5.300000+06	5.18156-011005	3251	386
5.400000+06	5.20691-01	5.500000+06	5.23225-01	5.600000+06	5.25760-011005	3251	387

5.700000+06	5.28294-01	5.800000+06	5.30829-01	5.900000+06	5.33363-011005	3251	388
6.000000+06	5.35898-01	6.100000+06	5.38432-01	6.200000+06	5.40967-011005	3251	389
6.300000+06	5.43501-01	6.400000+06	5.48742-01	6.500000+06	5.58043-011005	3251	390
6.600000+06	5.67343-01	6.700000+06	5.76644-01	6.800000+06	5.85945-011005	3251	391
6.900000+06	5.95245-01	7.000000+06	6.04546-01	7.100000+06	6.13847-011005	3251	392
7.200000+06	6.23147-01	7.300000+06	6.32448-01	7.400000+06	6.41749-011005	3251	393
7.500000+06	6.51049-01	7.600000+06	6.55959-01	7.700000+06	6.57941-011005	3251	394
7.800000+06	6.59923-01	7.900000+06	6.61905-01	8.000000+06	6.63886-011005	3251	395
8.100000+06	6.65868-01	8.200000+06	6.67850-01	8.300000+06	6.69832-011005	3251	396
8.400000+06	6.71814-01	8.500000+06	6.73796-01	8.600000+06	6.75778-011005	3251	397
8.700000+06	6.77760-01	8.800000+06	6.79742-01	8.900000+06	6.81724-011005	3251	398
9.000000+06	6.83705-01	9.100000+06	6.85687-01	9.200000+06	6.87669-011005	3251	399
9.300000+06	6.89651-01	9.400000+06	6.91633-01	9.500000+06	6.93615-011005	3251	400
9.600000+06	6.95597-01	9.700000+06	6.97579-01	9.800000+06	6.99561-011005	3251	401
9.900000+06	7.01543-01	1.000000+07	7.03525-01		1005	3251	402
0.0	+00	0.0	+00		0	01005	3
3006.	5.9634				0	01005	3252
0.0	0.0				0	2721005	3252
	2		1		2	1005	3252
1.000000-03	2.98261-01	1.000000+04	2.98261-01	1.100000+04	2.98363-011005	3252	407
1.200000+04	2.98464-01	1.300000+04	2.98566-01	1.400000+04	2.98667-011005	3252	408
1.500000+04	2.98769-01	1.600000+04	2.98870-01	1.700000+04	2.98972-011005	3252	409
1.800000+04	2.99073-01	1.900000+04	2.99175-01	2.000000+04	2.99276-011005	3252	410
2.100000+04	2.99378-01	2.200000+04	2.99479-01	2.300000+04	2.99581-011005	3252	411
2.400000+04	2.99682-01	2.500000+04	2.99784-01	2.600000+04	2.99885-011005	3252	412
2.700000+04	2.99987-01	2.800000+04	3.00088-01	2.900000+04	3.00190-011005	3252	413
3.000000+04	3.00291-01	3.100000+04	3.00393-01	3.200000+04	3.00494-011005	3252	414
3.300000+04	3.00596-01	3.400000+04	3.00697-01	3.500000+04	3.00799-011005	3252	415
3.600000+04	3.00900-01	3.700000+04	3.01002-01	3.800000+04	3.01103-011005	3252	416
3.900000+04	3.01205-01	4.000000+04	3.01306-01	4.100000+04	3.01408-011005	3252	417
4.200000+04	3.01509-01	4.300000+04	3.01611-01	4.400000+04	3.01712-011005	3252	418
4.500000+04	3.01814-01	4.600000+04	3.01915-01	4.700000+04	3.02017-011005	3252	419
4.800000+04	3.02118-01	4.900000+04	3.02220-01	5.000000+04	3.02321-011005	3252	420
5.100000+04	3.02423-01	5.200000+04	3.02524-01	5.300000+04	3.02626-011005	3252	421
5.400000+04	3.02727-01	5.500000+04	3.02829-01	5.600000+04	3.02930-011005	3252	422
5.700000+04	3.03032-01	5.800000+04	3.03133-01	5.900000+04	3.03235-011005	3252	423
6.000000+04	3.03336-01	6.100000+04	3.03438-01	6.200000+04	3.03539-011005	3252	424
6.300000+04	3.03641-01	6.400000+04	3.03742-01	6.500000+04	3.03844-011005	3252	425
6.600000+04	3.03945-01	6.700000+04	3.04047-01	6.800000+04	3.04148-011005	3252	426
6.900000+04	3.04250-01	7.000000+04	3.04351-01	7.100000+04	3.04453-011005	3252	427
7.200000+04	3.04554-01	7.300000+04	3.04656-01	7.400000+04	3.04757-011005	3252	428
7.500000+04	3.04859-01	7.600000+04	3.04960-01	7.700000+04	3.05062-011005	3252	429
7.800000+04	3.05163-01	7.900000+04	3.05265-01	8.000000+04	3.05366-011005	3252	430
8.100000+04	3.05468-01	8.200000+04	3.05569-01	8.300000+04	3.05671-011005	3252	431
8.400000+04	3.05772-01	8.500000+04	3.05874-01	8.600000+04	3.05975-011005	3252	432
8.700000+04	3.06077-01	8.800000+04	3.06178-01	8.900000+04	3.06280-011005	3252	433
9.000000+04	3.06381-01	9.100000+04	3.06482-01	9.200000+04	3.06584-011005	3252	434
9.300000+04	3.06685-01	9.400000+04	3.06787-01	9.500000+04	3.06888-011005	3252	435
9.600000+04	3.06990-01	9.700000+04	3.07091-01	9.800000+04	3.07193-011005	3252	436
9.900000+04	3.07294-01	1.000000+05	3.07396-01	1.100000+05	3.08411-011005	3252	437
1.200000+05	3.09426-01	1.300000+05	3.10441-01	1.400000+05	3.11456-011005	3252	438
1.500000+05	3.12471-01	1.600000+05	3.13486-01	1.700000+05	3.14501-011005	3252	439
1.800000+05	3.15516-01	1.900000+05	3.16531-01	2.000000+05	3.17546-011005	3252	440
2.100000+05	3.18561-01	2.200000+05	3.22931-01	2.300000+05	3.17207-011005	3252	441
2.400000+05	3.05639-01	2.500000+05	3.02052-01	2.600000+05	2.73916-011005	3252	442
2.700000+05	2.92625-01	2.800000+05	2.78312-01	2.900000+05	2.56014-011005	3252	443
3.000000+05	2.33716-01	3.100000+05	2.33789-01	3.200000+05	2.33853-011005	3252	444
3.300000+05	2.33936-01	3.400000+05	2.34010-01	3.500000+05	2.34083-011005	3252	445
3.600000+05	2.34157-01	3.700000+05	2.34230-01	3.800000+05	2.34304-011005	3252	446
3.900000+05	2.34377-01	4.000000+05	2.34450-01	4.100000+05	2.34524-011005	3252	447
4.200000+05	2.34597-01	4.300000+05	2.34671-01	4.400000+05	2.34744-011005	3252	448
4.500000+05	2.34818-01	4.600000+05	2.34891-01	4.700000+05	2.34964-011005	3252	449
4.800000+05	2.35038-01	4.900000+05	2.35111-01	5.000000+05	2.35185-011005	3252	450
5.100000+05	2.35258-01	5.200000+05	2.35332-01	5.300000+05	2.35405-011005	3252	451
5.400000+05	2.35478-01	5.500000+05	2.35552-01	5.600000+05	2.35625-011005	3252	452
5.700000+05	2.35699-01	5.800000+05	2.35772-01	5.900000+05	2.35846-011005	3252	453
6.000000+05	2.35919-01	6.100000+05	2.35992-01	6.200000+05	2.36066-011005	3252	454
6.300000+05	2.36139-01	6.400000+05	2.36213-01	6.500000+05	2.36286-011005	3252	455
6.600000+05	2.36360-01	6.700000+05	2.36433-01	6.800000+05	2.36506-011005	3252	456
6.900000+05	2.36580-01	7.000000+05	2.36653-01	7.100000+05	2.36727-011005	3252	457
7.200000+05	2.36800-01	7.300000+05	2.36874-01	7.400000+05	2.36947-011005	3252	458
7.500000+05	2.37020-01	7.600000+05	2.37094-01	7.700000+05	2.37167-011005	3252	459
7.800000+05	2.37241-01	7.900000+05	2.37314-01	8.000000+05	2.37388-011005	3252	460
8.100000+05	2.37461-01	8.200000+05	2.37535-01	8.300000+05	2.37608-011005	3252	461

8.40000+05	2.37681-01	8.50000+05	2.37755-01	8.60000+05	2.37828-01	11005	3252	462
8.70000+05	2.37902-01	8.80000+05	2.37975-01	8.90000+05	2.38049-01	11005	3252	463
9.00000+05	2.38122-01	9.10000+05	2.38195-01	9.20000+05	2.38269-01	11005	3252	464
9.30000+05	2.38342-01	9.40000+05	2.38416-01	9.50000+05	2.38489-01	11005	3252	465
9.60000+05	2.38563-01	9.70000+05	2.38636-01	9.80000+05	2.38709-01	11005	3252	466
9.90000+05	2.38783-01	1.00000+06	2.38856-01	1.10000+06	2.38929-01	11005	3252	467
1.20000+06	2.40325-01	1.30000+06	2.41059-01	1.40000+06	2.41794-01	11005	3252	468
1.50000+06	2.42528-01	1.60000+06	2.43262-01	1.70000+06	2.43997-01	11005	3252	469
1.80000+06	2.44731-01	1.90000+06	2.45465-01	2.00000+06	2.46199-01	11005	3252	470
2.10000+06	2.46934-01	2.20000+06	2.47668-01	2.30000+06	2.48412-01	11005	3252	471
2.40000+06	2.49137-01	2.50000+06	2.49871-01	2.60000+06	2.50605-01	11005	3252	472
2.70000+06	2.51340-01	2.80000+06	2.52074-01	2.90000+06	2.52808-01	11005	3252	473
3.00000+06	2.53543-01	3.10000+06	2.54277-01	3.20000+06	2.55011-01	11005	3252	474
3.30000+06	2.55746-01	3.40000+06	2.56480-01	3.50000+06	2.57213-01	11005	3252	475
3.60000+06	2.58683-01	3.70000+06	2.59417-01	3.80000+06	2.60151-01	11005	3252	476
3.90000+06	2.61386-01	4.00000+06	2.62150-01	4.10000+06	2.62914-01	11005	3252	477
4.20000+06	2.64189-01	4.30000+06	2.64913-01	4.40000+06	2.65677-01	11005	3252	478
4.50000+06	2.66992-01	4.60000+06	2.67676-01	4.70000+06	2.68439-01	11005	3252	479
4.80000+06	2.69795-01	4.90000+06	2.70439-01	5.00000+06	2.71183-01	11005	3252	480
5.10000+06	2.73198-01	5.20000+06	2.73942-01	5.30000+06	2.74686-01	11005	3252	481
5.40000+06	2.75991-01	5.50000+06	2.76735-01	5.60000+06	2.77479-01	11005	3252	482
5.70000+06	2.78732-01	5.80000+06	2.79476-01	5.90000+06	2.80220-01	11005	3252	483
6.00000+06	2.81035-01	6.10000+06	2.81779-01	6.20000+06	2.82523-01	11005	3252	484
6.30000+06	2.83238-01	6.40000+06	2.83982-01	6.50000+06	2.84726-01	11005	3252	485
6.60000+06	2.85441-01	6.70000+06	2.86185-01	6.80000+06	2.86929-01	11005	3252	486
6.90000+06	2.87644-01	7.00000+06	2.88388-01	7.10000+06	2.89132-01	11005	3252	487
7.20000+06	2.90847-01	7.30000+06	2.91591-01	7.40000+06	2.92335-01	11005	3252	488
7.50000+06	2.93090-01	7.60000+06	2.93834-01	7.70000+06	2.94578-01	11005	3252	489
7.80000+06	2.95343-01	7.90000+06	2.96087-01	8.00000+06	2.96831-01	11005	3252	490
8.10000+06	2.97596-01	8.20000+06	2.98340-01	8.30000+06	2.99084-01	11005	3252	491
8.40000+06	2.99849-01	8.50000+06	3.00593-01	8.60000+06	3.01337-01	11005	3252	492
8.70000+06	3.02096-01	8.80000+06	3.02840-01	8.90000+06	3.03584-01	11005	3252	493
9.00000+06	3.04349-01	9.10000+06	3.05093-01	9.20000+06	3.05837-01	11005	3252	494
9.30000+06	3.06596-01	9.40000+06	3.06596-01	9.50000+06	3.07340-01	11005	3252	495
9.60000+06	3.08090-01	9.70000+06	3.08090-01	9.80000+06	3.08090-01	11005	3252	496
9.90000+06	3.09584-01	1.00000+07	3.09584-02			1005	3252	497
0.0	+00	0.0	+00	0	0	01005	3	498
0.0	+00	0.0	+00	0	0	01005	0	499
3.00600+03	5.96340+00	1	1	0	0	01005	4	500
0.0	5.96340+00	0	2	100	0	91005	4	501
1.00000+00	1.11793-01	5.64675-03	7.27368-09	0.	0.	1005	4	502
0.	0.	0.	0.	0.	9.83128-01	11005	4	503
1.99603-01	1.92820-02	9.05124-04	2.24555-05	9.33512-07	0.	1005	4	504
0.	0.	0.	1.09099-01	9.56152-01	2.81181-01	11005	4	505
3.97808-02	3.26351-03	1.66500-04	2.97735-06	3.27749-07	3.04771-09	11005	4	506
0.	1.64326-02	1.92492-01	9.15323-01	3.56755-01	6.65471-02	11005	4	507
7.60584-03	5.79766-04	2.71173-05	1.23690-06	0.	-2.62219-03	11005	4	508
3.69008-02	-2.67236-01	8.62117-01	4.25371-01	9.88728-02	1.43975-02	11005	4	509
1.44813-03	1.00786-04	0.	4.27318-04	-6.87680-03	6.25632-02	11005	4	510
-3.34041-01	7.97712-01	4.85836-01	1.35912-01	2.40232-02	2.98952-03	11005	4	511
0.	-7.03365-05	1.25819-03	-1.33873-02	9.28342-02	-3.92173-01	11005	4	512
7.23475-01	5.37015-01	1.76687-01	3.67721-02	0.	1.16417-05	11005	4	513
-2.27240-04	2.72409-03	-2.24948-02	1.26831-01	-4.40738-01	6.40961-01	11005	4	514
5.77934-01	2.20109-01	0.	-1.93339-06	4.06467-05	-5.36492-04	11005	4	515
5.04861-03	-3.44183-02	1.63526-01	-4.78941-01	5.51885-01	0.	1005	4	516
0.	3.21801-07	-7.17961-06	1.03285-04	-1.07828-03	8.45993-03	11005	4	517
-4.92615-02	2.01800-01	-5.06180-01	4.58083-01			1005	4	518
0.	0.	0	0	1		161005	4	519
0.	16	2				1005	4	520
0.	10.00000+03	0	0	9		01005	4	521
0.0	0.0	0.0	0.0	0.0	0.0	1005	4	522
0.0	0.0	0.0				1005	4	523
0.	2.10000+05	0	0	9		01005	4	524
-5.01594-02	1.00436-01	-8.94592-03	-8.32213-04	4.13362-05	-7.02119-05	11005	4	525
1.39201-03	-9.74754-04	-3.18901-04				1005	4	526
0.	2.25000+05	0	0	9		01005	4	527
-7.04024-02	9.55867-02	-1.28675-02	5.85199-03	-3.61918-04	1.78458-04	11005	4	528
-2.36533-04	-8.80041-05	1.80448-04				1005	4	529
0.	2.35000+05	0	0	9		01005	4	530
-2.22332-02	1.00094-01	3.87783-04	1.08178-02	6.56087-04	7.60187-05	11005	4	531
2.39666-04	2.84356-04	-5.52297-06				1005	4	532
0.	2.45000+05	0	0	9		01005	4	533
2.04693-03	1.20670-01	9.61335-03	1.97197-02	4.76356-03	2.25113-03	11005	4	534
2.19344-03	8.48165-04	7.96928-04				1005	4	535

0.	2.55000+05	0	0	9	01005	4	2	536
-9.80199-04	9.50489-02	-6.85091-03	7.63265-03	-1.96571-03	4.13140-04	1005	4	2 537
5.44124-04	3.88565-04	1.60225-04				1005	4	2 538
0.	2.58000+05	0	0	9	01005	4	2	539
1.07165-01	6.46772-02	8.05018-03	-1.12635-03	-8.92610-04	-5.18689-04	1005	4	2 540
-1.25674-04	-1.09770-04	-9.20800-05				1005	4	2 541
0.	2.65000+05	0	0	9	01005	4	2	542
1.63600-02	8.25410-02	1.88539-02	4.19309-03	1.84980-03	9.49989-04	1005	4	2 543
8.48146-04	3.17128-04	-1.20060-04				1005	4	2 544
0.	2.75000+05	0	0	9	01005	4	2	545
3.60053-02	8.62361-02	1.18305-02	-1.60411-03	-2.38860-03	-1.27401-03	1005	4	2 546
5.25836-04	5.63796-04	-1.54502-05				1005	4	2 547
0.	3.00000+05	0	0	9	01005	4	2	548
2.07437-01	1.17113-01	5.70558-02	2.04200-02	2.51713-03	-3.87772-03	1005	4	2 549
-3.91244-02	-1.76942-02	-2.02728-04				1005	4	2 550
0.	3.35000+06	0	0	9	01005	4	2	551
1.43466-01	1.46263-01	1.68521-02	3.44973-03	-2.72813-03	5.98705-03	1005	4	2 552
-2.12343-03	-2.72422-03	2.49668-03				1005	4	2 553
0.	4.00000+06	0	0	9	01005	4	2	554
2.51003-01	2.06978-01	3.15465-02	7.76825-03	-3.95246-03	-8.22770-04	1005	4	2 555
2.95140-03	1.33464-03	-6.52360-04				1005	4	2 556
0.	5.15000+06	0	0	9	01005	4	2	557
4.42381-01	3.07013-01	1.03341-01	4.31609-02	5.24165-03	2.19934-03	1005	4	2 558
-1.41713-04	-2.30410-04	-2.63302-04				1005	4	2 559
0.	6.36000+06	0	0	9	01005	4	2	560
4.72104-01	2.94559-01	1.07058-01	2.82691-02	3.10952-03	1.04911-03	1005	4	2 561
7.49908-04	-8.66376-04	-6.36191-04				1005	4	2 562
0.	7.54000+06	0	0	9	01005	4	2	563
5.92998-01	3.93193-01	2.01614-01	7.89455-02	2.46202-02	5.69089-03	1005	4	2 564
-9.97243-04	-3.67023-03	-3.68087-03				1005	4	2 565
0.	1.40000+07	0	0	9	01005	4	2	566
7.32147-01	4.81900-01	2.58097-01	8.58522-02	3.30860-03	-1.58352-02	1005	4	2 567
-1.60531-02	-7.98441-03	1.43348-03				1005	4	2 568
0.	0.	0	0	0	0	01005	4	0 569
3006.	5.9634	0	2	0	0	01005	4	4 570
0.0	0.0	0	2	0	0	01005	4	4 571
0.0	0.0	0	0	1	1	21005	4	4 572
0.0	2	2	0	1	1	21005	4	4 573
0.0	4.158 E+06	0	0	1	1	21005	4	4 574
-1.0	0.5	1.0	0.5	0	0	1005	4	4 575
0.0	1.5 E+07	0	0	1	1	21005	4	4 576
-1.0	0.5	1.0	0.5			1005	4	4 577
0.0	0.0	0	0	0	0	01005	4	22 581
0.0	0.0	0	1	0	0	01005	4	22 582
0.0	0.0	0	0	1	1	141005	4	22 583
0.	1.7180E+06	0	0	1	1	111005	4	22 584
-1.0000E+00	3.0530E-01	-8.0000E-01	3.0940E-01	-6.0000E-01	3.2620E-01	1005	4	22 585
-4.0000E-01	3.6960E-01	-2.0000E-01	4.2910E-01	0.	5.0220E-01	1005	4	22 586
2.0000E-01	5.7210E-01	4.0000E-01	6.2520E-01	6.0000E-01	6.6690E-01	1005	4	22 587
8.0000E-01	6.9510E-01	1.0000E+00	7.0310E-01			1005	4	22 588
0.	4.4000E+06	0	0	1	1	111005	4	22 589
-1.0000E+00	2.2660E-01	-8.0000E-01	2.3820E-01	-6.0000E-01	2.5570E-01	1005	4	22 590
-4.0000E-01	2.8470E-01	-2.0000E-01	3.2540E-01	0.	3.9510E-01	1005	4	22 591
2.0000E-01	4.8810E-01	4.0000E-01	6.0430E-01	6.0000E-01	7.7860E-01	1005	4	22 592
8.0000E-01	9.8780E-01	1.0000E+00	1.0575E+00			1005	4	22 593
0.	5.1000E+06	0	0	1	1	111005	4	22 594
-1.0000E+00	2.6940E-01	-8.0000E-01	2.6440E-01	-6.0000E-01	2.8470E-01	1005	4	22 595
-4.0000E-01	3.1520E-01	-2.0000E-01	3.6600E-01	0.	4.3720E-01	1005	4	22 596
2.0000E-01	5.1860E-01	4.0000E-01	6.2020E-01	6.0000E-01	7.4220E-01	1005	4	22 597
8.0000E-01	8.6430E-01	1.0000E+00	9.0490E-01			1005	4	22 598
0.	5.4000E+06	0	0	1	1	111005	4	22 599
-1.0000E+00	2.0200E-01	-8.0000E-01	2.0200E-01	-6.0000E-01	2.2100E-01	1005	4	22 600
-4.0000E-01	2.8410E-01	-2.0000E-01	3.9140E-01	0.	5.0510E-01	1005	4	22 601
2.0000E-01	6.1870E-01	4.0000E-01	7.1970E-01	6.0000E-01	7.7020E-01	1005	4	22 602
8.0000E-01	7.8910E-01	1.0000E+00	7.9550E-01			1005	4	22 603
0.	5.8000E+06	0	0	1	1	111005	4	22 604

11	2				1005	4	22	610
-1.0000E+00	1.5130E-01	-8.0000E-01	1.9550E-01	-6.0000E-01	2.5220E-01	11005	4	22
-4.0000E-01	3.1530E-01	-2.0000E-01	3.7830E-01	0.	4.4140E-01	11005	4	22
2.0000E-01	5.1700E-01	4.0000E-01	6.6200E-01	6.0000E-01	8.1970E-01	11005	4	22
8.0000E-01	8.9530E-01	1.0000E+00	8.9530E-01			1005	4	22
0.	6.5000E+06	0	0	1		111005	4	22
11	2					1005	4	22
-1.0000E+00	2.3860E-01	-8.0000E-01	2.6450E-01	-6.0000E-01	3.0080E-01	11005	4	22
-4.0000E-01	3.4230E-01	-2.0000E-01	3.8380E-01	0.	4.3050E-01	11005	4	22
2.0000E-01	4.7720E-01	4.0000E-01	5.3420E-01	6.0000E-01	6.2240E-01	11005	4	22
8.0000E-01	9.6470E-01	1.0000E+00	1.1203E+00			1005	4	22
0.	7.0000E+06	0	0	1		111005	4	22
11	2					1005	4	22
-1.0000E+00	2.2350E-01	-8.0000E-01	2.4070E-01	-6.0000E-01	2.7510E-01	11005	4	22
-4.0000E-01	3.1520E-01	-2.0000E-01	3.6680E-01	0.	4.2410E-01	11005	4	22
2.0000E-01	4.9280E-01	4.0000E-01	5.7310E-01	6.0000E-01	6.6480E-01	11005	4	22
8.0000E-01	9.3980E-01	1.0000E+00	1.1920E+00			1005	4	22
0.	7.5000E+06	0	0	1		111005	4	22
11	2					1005	4	22
-1.0000E+00	1.8620E-01	-8.0000E-01	2.1280E-01	-6.0000E-01	2.5270E-01	11005	4	22
-4.0000E-01	2.9260E-01	-2.0000E-01	3.4570E-01	0.	4.2550E-01	11005	4	22
2.0000E-01	5.1860E-01	4.0000E-01	6.3160E-01	6.0000E-01	8.9760E-01	11005	4	22
8.0000E-01	8.7770E-01	1.0000E+00	9.0430E-01			1005	4	22
0.	8.0000E+06	0	0	1		111005	4	22
11	2					1005	4	22
-1.0000E+00	2.1980E-01	-8.0000E-01	2.4730E-01	-6.0000E-01	2.8850E-01	11005	4	22
-4.0000E-01	3.4340E-01	-2.0000E-01	4.0520E-01	0.	4.7390E-01	11005	4	22
2.0000E-01	5.4950E-01	4.0000E-01	6.3190E-01	6.0000E-01	7.2800E-01	11005	4	22
8.0000E-01	8.1040E-01	1.0000E+00	8.2420E-01			1005	4	22
0.	9.3000E+06	0	0	1		111005	4	22
11	2					1005	4	22
-1.0000E+00	2.3180E-01	-8.0000E-01	2.3180E-01	-6.0000E-01	2.4010E-01	11005	4	22
-4.0000E-01	2.4830E-01	-2.0000E-01	2.6490E-01	0.	3.5600E-01	11005	4	22
2.0000E-01	5.1320E-01	4.0000E-01	6.9540E-01	6.0000E-01	8.7750E-01	11005	4	22
8.0000E-01	9.6030E-01	1.0000E+00	9.9340E-01			1005	4	22
0.	1.0600E+07	0	0	1		111005	4	22
11	2					1005	4	22
-1.0000E+00	1.5150E-01	-8.0000E-01	1.6100E-01	-6.0000E-01	1.8940E-01	11005	4	22
-4.0000E-01	2.5570E-01	-2.0000E-01	3.7880E-01	0.	5.3030E-01	11005	4	22
2.0000E-01	6.5340E-01	4.0000E-01	7.5760E-01	6.0000E-01	8.1440E-01	11005	4	22
8.0000E-01	8.0490E-01	1.0000E+00	7.5760E-01			1005	4	22
0.	1.2000E+07	0	0	1		111005	4	22
11	2					1005	4	22
-1.0000E+00	2.9850E-01	-8.0000E-01	3.0730E-01	-6.0000E-01	3.1610E-01	11005	4	22
-4.0000E-01	3.3360E-01	-2.0000E-01	3.6870E-01	0.	4.2140E-01	11005	4	22
2.0000E-01	4.9170E-01	4.0000E-01	5.9700E-01	6.0000E-01	7.3750E-01	11005	4	22
8.0000E-01	8.4280E-01	1.0000E+00	8.6920E-01			1005	4	22
0.	1.4000E+07	0	0	1		111005	4	22
11	2					1005	4	22
-1.0000E+00	3.7660E-01	-8.0000E-01	3.7660E-01	-6.0000E-01	3.8700E-01	11005	4	22
-4.0000E-01	4.0790E-01	-2.0000E-01	4.3930E-01	0.	4.8120E-01	11005	4	22
2.0000E-01	5.2300E-01	4.0000E-01	5.9620E-01	6.0000E-01	6.2760E-01	11005	4	22
8.0000E-01	6.4850E-01	1.0000E+00	6.4850E-01			1005	4	22
0.	1.5000E+07	0	0	1		111005	4	22
11	2					1005	4	22
-1.0000E+00	4.0720E-01	-8.0000E-01	4.1500E-01	-6.0000E-01	4.2600E-01	11005	4	22
-4.0000E-01	4.4500E-01	-2.0000E-01	4.7100E-01	0.	5.0050E-01	11005	4	22
2.0000E-01	5.3200E-01	4.0000E-01	5.5500E-01	6.0000E-01	5.7300E-01	11005	4	22
8.0000E-01	5.8450E-01	1.0000E+00	5.8900E-01			1005	4	22
3006.	5.9634	0	2	0		1005	4	0
0.0	0.0	0	1	0		01005	4	24
0.0	0.0	0	0	1		01005	4	24
2	2					21005	4	24
0.0	6.614 E+06	0	0	1		1005	4	24
2	2					21005	4	24
-1.0	0.5	1.0	0.5			1005	4	24
0.0	1.5	F+07	0	0	1	1005	4	24
2	2					1005	4	24
-1.0	0.5	1.0	0.5			1005	4	24
						1005	4	0
						1005	0	0
3006.	5.9634	0	0	3		01005	5	22
0.0	1.471 E+06	0	3	1		21005	5	22

25

0.0	6.15	F+06	0	0	1	211005	5	22	758
21	2					1005	5	22	759
0.	1.9650E-07	2.0000E+05	2.5590E-07	4.0000E+05	3.0060E-071005	5	22	760	
6.0000E+05	3.3080E-07	8.0000E+05	3.5030E-07	1.0000E+06	3.5800E-071005	5	22	761	
1.2000E+06	3.6100E-07	1.4000E+06	3.6100E-07	1.6000E+06	3.5710E-071005	5	22	762	
1.8000E+06	3.4640E-07	2.0000E+06	3.2890E-07	2.2000E+06	3.0060E-071005	5	22	763	
2.4000E+06	2.6460E-07	2.6000E+06	2.2860E-07	2.8000E+06	1.9460E-071005	5	22	764	
3.0000E+06	1.6440E-07	3.2000E+06	1.3520E-07	3.4000E+06	1.0700E-071005	5	22	765	
3.6000E+06	8.1700E-08	3.8000E+06	5.7400E-08	4.0000E+06	3.5000E-081005	5	22	766	
0.0	6.15	F+06	0	0	1	211005	5	22	767
21	2					1005	5	22	768
0.	1.0830E-07	2.0000E+05	1.6690E-07	4.0000E+05	2.1570E-071005	5	22	769	
6.0000E+05	2.4860E-07	8.0000E+05	2.6460E-07	1.0000E+06	2.7430E-071005	5	22	770	
1.2000E+06	2.8230E-07	1.4000E+06	2.8850E-07	1.6000E+06	2.9300E-071005	5	22	771	
1.8000E+06	2.9650E-07	2.0000E+06	2.9740E-07	2.2000E+06	2.9650E-071005	5	22	772	
2.4000E+06	2.9300E-07	2.6000E+06	2.8850E-07	2.8000E+06	2.7880E-071005	5	22	773	
3.0000E+06	2.6460E-07	3.2000E+06	2.4500E-07	3.4000E+06	2.2020E-071005	5	22	774	
3.6000E+06	1.9350E-07	3.8000E+06	1.6690E-07	4.0000E+06	1.4200E-071005	5	22	775	
0.0	6.75	F+06	0	0	1	211005	5	22	776
21	2					1005	5	22	777
0.	1.0830E-07	2.0000E+05	1.6690E-07	4.0000E+05	2.1570E-071005	5	22	778	
6.0000E+05	2.4860E-07	8.0000E+05	2.6460E-07	1.0000E+06	2.7430E-071005	5	22	779	
1.2000E+06	2.8230E-07	1.4000E+06	2.8850E-07	1.6000E+06	2.9300E-071005	5	22	780	
1.8000E+06	2.9650E-07	2.0000E+06	2.9740E-07	2.2000E+06	2.9650E-071005	5	22	781	
2.4000E+06	2.9300E-07	2.6000E+06	2.8850E-07	2.8000E+06	2.7880E-071005	5	22	782	
3.0000E+06	2.6460E-07	3.2000E+06	2.4500E-07	3.4000E+06	2.2020E-071005	5	22	783	
3.6000E+06	1.9350E-07	3.8000E+06	1.6690E-07	4.0000E+06	1.4200E-071005	5	22	784	
0.0	6.75	F+06	0	0	1	211005	5	22	785
21	2					1005	5	22	786
0.	1.4720E-07	2.5000E+05	1.7670E-07	5.0000E+05	2.0060E-071005	5	22	787	
7.5000E+05	2.1540E-07	1.0000E+06	2.2550E-07	1.2500E+06	2.3190E-071005	5	22	788	
1.5000E+06	2.3650E-07	1.7500E+06	2.3840E-07	2.0000E+06	2.3930E-071005	5	22	789	
2.2500E+06	2.3960E-07	2.5000E+06	2.3930E-07	2.7500E+06	2.3840E-071005	5	22	790	
3.0000E+06	2.3560E-07	3.2500E+06	2.3470E-07	3.5000E+06	2.2730E-071005	5	22	791	
3.7500E+06	2.1720E-07	4.0000E+06	2.0250E-07	4.2500E+06	1.5280E-071005	5	22	792	
4.5000E+06	8.6500E-08	4.7500E+06	6.2600E-08	5.0000E+06	5.1500E-081005	5	22	793	
0.0	7.25	F+06	0	0	1	211005	5	22	794
21	2					1005	5	22	795
0.	1.4720E-07	2.5000E+05	1.7670E-07	5.0000E+05	2.0060E-071005	5	22	796	
7.5000E+05	2.1540E-07	1.0000E+06	2.2550E-07	1.2500E+06	2.3190E-071005	5	22	797	
1.5000E+06	2.3650E-07	1.7500E+06	2.3840E-07	2.0000E+06	2.3930E-071005	5	22	798	
2.2500E+06	2.3960E-07	2.5000E+06	2.3930E-07	2.7500E+06	2.3840E-071005	5	22	799	
3.0000E+06	2.3560E-07	3.2500E+06	2.3470E-07	3.5000E+06	2.2730E-071005	5	22	800	
3.7500E+06	2.1720E-07	4.0000E+06	2.0250E-07	4.2500E+06	1.5280E-071005	5	22	801	
4.5000E+06	8.6500E-08	4.7500E+06	6.2600E-08	5.0000E+06	5.1500E-081005	5	22	802	
0.0	7.25	F+06	0	0	1	121005	5	22	803
12	2					1005	5	22	804
0.	9.0400E-08	5.0000E+05	1.3990E-07	1.0000E+06	2.1530E-071005	5	22	805	
1.5000E+06	2.4110E-07	2.0000E+06	2.4540E-07	2.5000E+06	2.4540E-071005	5	22	806	
3.0000E+06	2.3900E-07	3.5000E+06	2.2280E-07	4.0000E+06	1.9380E-071005	5	22	807	
4.5000E+06	1.4750E-07	5.0000E+06	5.6000E-08	5.5000E+06	1.7200E-081005	5	22	808	
0.0	7.75	F+06	0	0	1	121005	5	22	809
12	2					1005	5	22	810
0.	9.0400E-08	5.0000E+05	1.3990E-07	1.0000E+06	2.1530E-071005	5	22	811	
1.5000E+06	2.4110E-07	2.0000E+06	2.4540E-07	2.5000E+06	2.4540E-071005	5	22	812	
3.0000E+06	2.3900E-07	3.5000E+06	2.2280E-07	4.0000E+06	1.9380E-071005	5	22	813	
4.5000E+06	1.4750E-07	5.0000E+06	5.6000E-08	5.5000E+06	1.7200E-081005	5	22	814	
0.0	7.75	F+06	0	0	1	121005	5	22	815
12	2					1005	5	22	816
0.	1.0610E-07	5.0000E+05	1.6340E-07	1.0000E+06	1.8890E-071005	5	22	817	
1.5000E+06	2.0050E-07	2.0000E+06	2.0800E-07	2.5000E+06	2.1010E-071005	5	22	818	
3.0000E+06	2.0800E-07	3.5000E+06	2.0690E-07	4.0000E+06	1.9630E-071005	5	22	819	
4.5000E+06	1.7400E-07	5.0000E+06	1.1670E-07	5.5000E+06	6.0500E-081005	5	22	820	
6.0000E+06	2.7600E-08				1005	5	22	821	
0.0	8.65	F+06	0	0	1	121005	5	22	822
12	2					1005	5	22	823
0.	1.0610E-07	5.0000E+05	1.6340E-07	1.0000E+06	1.8890E-071005	5	22	824	
1.5000E+06	2.0050E-07	2.0000E+06	2.0800E-07	2.5000E+06	2.1010E-071005	5	22	825	
3.0000E+06	2.0800E-07	3.5000E+06	2.0690E-07	4.0000E+06	1.9630E-071005	5	22	826	
4.5000E+06	1.7400E-07	5.0000E+06	1.1670E-07	5.5000E+06	6.0500E-081005	5	22	827	
6.0000E+06	2.7600E-08				1005	5	22	828	
0.0	8.65	F+06	0	0	1	151005	5	22	829
15	2					1005	5	22	830
0.	1.1130E-07	5.0000E+05	1.2940E-07	1.0000E+06	1.4470E-071005	5	22	831	

1.5000E+06	1.5730E-07	2.0000E+06	1.6700E-07	2.5000E+06	1.7260E-071005	5	22	832
3.0000E+06	1.7540E-07	3.5000E+06	1.7540E-07	4.0000E+06	1.7260E-071005	5	22	833
4.5000E+06	1.6560E-07	5.0000E+06	1.5310E-07	5.5000E+06	1.3360E-071005	5	22	834
6.0000E+06	1.0580E-07	6.5000E+06	7.1000E-08	7.0000E+06	4.1800E-081005	5	22	835
0.0	1.0 F+07	0	0	1	151005	5	22	836
15	2				1005	5	22	837
0.	1.1130E-07	5.0000E+05	1.2940E-07	1.0000E+06	1.4470E-071005	5	22	838
1.5000E+06	1.5730E-07	2.0000E+06	1.6700E-07	2.5000E+06	1.7260E-071005	5	22	839
3.0000E+06	1.7540E-07	3.5000E+06	1.7540E-07	4.0000E+06	1.7260E-071005	5	22	840
4.5000E+06	1.6560E-07	5.0000E+06	1.5310E-07	5.5000E+06	1.3360E-071005	5	22	841
6.0000E+06	1.0580E-07	6.5000E+06	7.1000E-08	7.0000E+06	4.1800E-081005	5	22	842
0.0	1.0 F+07	0	0	1	181005	5	22	843
18	2				1005	5	22	844
0.	6.3100E-08	5.0000E+05	1.0360E-07	1.0000E+06	1.3520E-071005	5	22	845
1.5000E+06	1.5920E-07	2.0000E+06	1.7270E-07	2.5000E+06	1.7420E-071005	5	22	846
3.0000E+06	1.6820E-07	3.5000E+06	1.6070E-07	4.0000E+06	1.5020E-071005	5	22	847
4.5000E+06	1.4570E-07	5.0000E+06	1.2620E-07	5.5000E+06	1.1120E-071005	5	22	848
6.0000E+06	9.6100E-08	6.5000E+06	8.1100E-08	7.0000E+06	6.6100E-081005	5	22	849
7.5000E+06	5.4100E-08	8.0000E+06	4.5100E-08	8.5000E+06	3.7600E-081005	5	22	850
0.0	1.13 F+07	0	0	1	181005	5	22	851
18	2				1005	5	22	852
0.	6.3100E-08	5.0000E+05	1.0360E-07	1.0000E+06	1.3520E-071005	5	22	853
1.5000E+06	1.5920E-07	2.0000E+06	1.7270E-07	2.5000E+06	1.7420E-071005	5	22	854
3.0000E+06	1.6820E-07	3.5000E+06	1.6070E-07	4.0000E+06	1.5020E-071005	5	22	855
4.5000E+06	1.4570E-07	5.0000E+06	1.2620E-07	5.5000E+06	1.1120E-071005	5	22	856
6.0000E+06	9.6100E-08	6.5000E+06	8.1100E-08	7.0000E+06	6.6100E-081005	5	22	857
7.5000E+06	5.4100E-08	8.0000E+06	4.5100E-08	8.5000E+06	3.7600E-081005	5	22	858
0.0	1.13 F+07	0	0	1	201005	5	22	859
20	2				1005	5	22	860
0.	4.0600E-08	5.0000E+05	6.9500E-08	1.0000E+06	9.2700E-081005	5	22	861
1.5000E+06	1.0720E-07	2.0000E+06	1.1590E-07	2.5000E+06	1.2170E-071005	5	22	862
3.0000E+06	1.2450E-07	3.5000E+06	1.2600E-07	4.0000E+06	1.2740E-071005	5	22	863
4.5000E+06	1.2800E-07	5.0000E+06	1.2740E-07	5.5000E+06	1.2690E-071005	5	22	864
6.0000E+06	1.2450E-07	6.5000E+06	1.2020E-07	7.0000E+06	1.1590E-071005	5	22	865
7.5000E+06	1.1010E-07	8.0000E+06	9.9900E-08	8.5000E+06	8.1100E-081005	5	22	866
9.0000E+06	4.9200E-08	9.5000E+06	2.3200E-08		1005	5	22	867
0.0	1.3 F+07	0	0	1	201005	5	22	868
20	2				1005	5	22	869
0.	4.0600E-08	5.0000E+05	6.9500E-08	1.0000E+06	9.2700E-081005	5	22	870
1.5000E+06	1.0720E-07	2.0000E+06	1.1590E-07	2.5000E+06	1.2170E-071005	5	22	871
3.0000E+06	1.2450E-07	3.5000E+06	1.2600E-07	4.0000E+06	1.2740E-071005	5	22	872
4.5000E+06	1.2800E-07	5.0000E+06	1.2740E-07	5.5000E+06	1.2690E-071005	5	22	873
6.0000E+06	1.2450E-07	6.5000E+06	1.2020E-07	7.0000E+06	1.1590E-071005	5	22	874
7.5000E+06	1.1010E-07	8.0000E+06	9.9900E-08	8.5000E+06	8.1100E-081005	5	22	875
9.0000E+06	4.9200E-08	9.5000E+06	2.3200E-08		1005	5	22	876
0.0	1.3 F+07	0	0	1	241005	5	22	877
24	2				1005	5	22	878
0.	5.5900E-08	5.0000E+05	7.5000E-08	1.0000E+06	8.7300E-081005	5	22	879
1.5000E+06	9.4200E-08	2.0000E+06	9.8800E-08	2.5000E+06	1.0260E-071005	5	22	880
3.0000E+06	1.0410E-07	3.5000E+06	1.0180E-07	4.0000E+06	9.8000E-081005	5	22	881
4.5000E+06	9.3400E-08	5.0000E+06	8.8800E-08	5.5000E+06	8.5700E-081005	5	22	882
6.0000E+06	8.5700E-08	6.5000E+06	9.1900E-08	7.0000E+06	1.0720E-071005	5	22	883
7.5000E+06	1.1480E-07	8.0000E+06	1.1020E-07	8.5000E+06	9.9500E-081005	5	22	884
9.0000E+06	8.6500E-08	9.5000E+06	7.4300E-08	1.0000E+07	6.2800E-081005	5	22	885
1.0500E+07	5.2100E-08	1.1000E+07	4.1300E-08	1.1500E+07	3.2200E-081005	5	22	886
0.0	1.5 F+07	0	0	1	241005	5	22	887
24	2				1005	5	22	888
0.	5.5900E-08	5.0000E+05	7.5000E-08	1.0000E+06	8.7300E-081005	5	22	889
1.5000E+06	9.4200E-08	2.0000E+06	9.8800E-08	2.5000E+06	1.0260E-071005	5	22	890
3.0000E+06	1.0410E-07	3.5000E+06	1.0180E-07	4.0000E+06	9.8000E-081005	5	22	891
4.5000E+06	9.3400E-08	5.0000E+06	8.8800E-08	5.5000E+06	8.5700E-081005	5	22	892
6.0000E+06	8.5700E-08	6.5000E+06	9.1900E-08	7.0000E+06	1.0720E-071005	5	22	893
7.5000E+06	1.1480E-07	8.0000E+06	1.1020E-07	8.5000E+06	9.9500E-081005	5	22	894
9.0000E+06	8.6500E-08	9.5000E+06	7.4300E-08	1.0000E+07	6.2800E-081005	5	22	895
1.0500E+07	5.2100E-08	1.1000E+07	4.1300E-08	1.1500E+07	3.2200E-081005	5	22	896
3006.	5.9634	0	0	2	01005	5	24	898
0.0	6.26486E+6	0	3	1	21005	5	24	899
2	2				1005	5	24	900
6.614 F+06	1.0	1.5 F+07	1.0		1005	5	24	901
0.0	6.26486E+6	0	3	1	21005	5	24	902
2	2				1005	5	24	903
6.614 F+06	1.0	1.5 F+07	1.0		1005	5	24	904
					1005	5	0	905
					1005	0	0	906
					0	0	0	907

TABLE B.2

⁷Li DATA AS IT APPEARED ON THE FIRST VERSION OF THE
ENDF/B TAPE (February 28, 1967).

A TRANSCRIPTION ERROR HAS BEEN FOUND IN FILE 4, REACTION
TYPE 24. IT CAN BE CORRECTED BY REPLACING CARDS 607 AND 609 WITH
THE FOLLOWING

0.0	0.0		0	0	1	21006 4 24CH607
0.0	1.0	E+07	0	0	1	21006 4 24CH609

AND INSERTING THE FOLLOWING THREE CARDS AFTER CARD 611

0.0	1.5	E+07	0	0	1	21006 4 241A611
	2					1006 4 242A611
-1.0	0.5	1.0	0.5			1006 4 243A611

3007.	6.9557	0	0	0	01006 1451	1	
0.0	0.0	0	0	22	01006 1451	2	
LITHIUM-7 NEUTRON CROSS-SECTION DATA. MATERIAL 1006. ENDF/B.						1006 1451	3
DATA FOR LI-7 FOR NEUTRONS IN THE ENERGY RANGE 0.001 EV TO 15 MEV.						1006 1451	4
AWRE DATA -- DATA FILE NUMBER (DFN) 215. AS PER AWRE REPORT NO.						1006 1451	5
O-55/65 AND O-61/64.						1006 1451	6
DATA FOR MU-BAR AND XI (MF=3, MT=251,252) FROM H.ALTER OF A1.						1006 1451	7
ANGULAR DISTRIBUTION FOR ELASTIC SCATTER (MF=4, MT=2) FROM H.ALTER						1006 1451	8
EXCEPT THAT AWR CHANGED FROM 6.9555 TO 6.9557. ALL DATA FROM						1006 1451	9
ALTER WERE BY PRIVATE COMMUNICATION.						1006 1451	10
ENERGY DISTRIBUTION FOR (N,2N) AND (N,2N) ALPHA REACTIONS (MF=5, MT=						1006 1451	11
=16,24) CHANGED FROM AWRE LAW 2 WITH VARIOUS REDUCTION FACTORS, TO						1006 1451	12
ENDF/B LAW 3, WHICH HAS NO REDUCTION FACTORS. THE SAME FOR (N,N-)						1006 1451	13
ALPHA (MT=22) FROM 2.821 TO 4.3 MEV.						1006 1451	14
						1006 1451	15
						1006 1451	16
						1006 1451	17
INTERPOLATION BETWEEN TABULATED ENERGIES FOR CROSS SECTIONS FOR						1006 1451	18
ALL REACTIONS IS LN(SIGMA)LINEAR IN LN(E).						1006 1451	19
PLEASE REFER ALL QUESTIONS OR COMMENTS REGARDING THESE DATA TO						1006 1451	20
R.J. LARAUVE						1006 1451	21
UNIVERSITY OF CALIF., LOS ALAMOS SCIENTIFIC LABORATORY						1006 1451	22
P.O. BOX 1663						1006 1451	23
LOS ALAMOS, NM 87544						1006 1451	24
						1006 1 0	25
						1006 0 0	26

3007.	6.9557	0	0	0	01006 2 1	27
0.0	0.0	0	0	1	1061006 2 1	28
106	5				1006 3 1	29
1.0000E-03	1.2210E+00	2.0000E-03	1.1730E+00	3.0000E-03	1.1510E+00	1006 3 1 30
4.0000E-03	1.1370E+00	5.0000E-03	1.1280E+00	6.0000E-03	1.1220E+00	1006 3 1 31
7.0000E-03	1.1170E+00	8.0000E-03	1.1120E+00	9.0000E-03	1.1090E+00	1006 3 1 32
1.0000E-02	1.1060E+00	2.0000E-02	1.0900E+00	2.5000E-02	1.0860E+00	1006 3 1 33
1.0000E-01	1.0680E+00	1.0000E+00	1.0550E+00	1.0000E+01	1.0510E+00	1006 3 1 34
1.0000E+02	1.0500E+00	1.0000E+03	1.0500E+00	1.0000E+04	1.0500E+00	1006 3 1 35
1.0000E+05	9.2990E-01	1.3000E+05	9.6000E-01	1.5000E+05	1.0500E+00	1006 3 1 36
1.7000E+05	1.2000E+00	1.8500E+05	1.3800E+00	2.0000E+05	1.7000E+00	1006 3 1 37
2.1000E+05	2.0300E+00	2.2000E+05	2.5000E+00	2.3000E+05	4.5000E+00	1006 3 1 38
2.4000E+05	6.3000E+00	2.5000E+05	1.0500E+01	2.5800E+05	1.0900E+01	1006 3 1 39
2.6000E+05	1.0500E+01	2.7000E+05	6.8000E+00	2.8000E+05	4.7500E+00	1006 3 1 40
2.9000E+05	3.6000E+00	3.0000E+05	2.7200E+00	3.1000E+05	2.2500E+00	1006 3 1 41
3.2000E+05	2.0500E+00	3.3000E+05	1.8000E+00	3.4000E+05	1.6000E+00	1006 3 1 42
3.5000E+05	1.4600E+00	3.6000E+05	1.3800E+00	3.7000E+05	1.3200E+00	1006 3 1 43
3.8000E+05	1.2800E+00	3.9000E+05	1.2500E+00	4.0000E+05	1.2300E+00	1006 3 1 44
4.5000E+05	1.1200E+00	5.0000E+05	1.0700E+00	5.3000E+05	1.0600E+00	1006 3 1 45
5.5000E+05	1.0680E+00	6.0000E+05	1.1000E+00	7.0000E+05	1.2200E+00	1006 3 1 46
8.0000E+05	1.3500E+00	9.0000E+05	1.4150E+00	1.0000E+06	1.5000E+00	1006 3 1 47

1.1000E+06	1.5300E+00	1.2000E+06	1.5800E+00	1.3000E+06	1.6000E+001006	3	1	48
1.4000E+06	1.6100E+00	1.5000E+06	1.6200E+00	1.6000E+06	1.6300E+001006	3	1	49
1.7000E+06	1.6400E+00	1.8000E+06	1.6550E+00	1.9000E+06	1.6750E+001006	3	1	50
2.0000E+06	1.6900E+00	2.2000E+06	1.7250E+00	2.4000E+06	1.7700E+001006	3	1	51
2.6000E+06	1.8100E+00	2.8210E+06	1.8510E+00	3.0000E+06	1.9000E+001006	3	1	52
3.2000E+06	1.9500E+00	3.4000E+06	2.0000E+00	3.6000E+06	2.0500E+001006	3	1	53
3.8000E+06	2.0900E+00	4.0000E+06	2.1400E+00	4.1000E+06	2.1800E+001006	3	1	54
4.2000E+06	2.2000E+00	4.3000E+06	2.2200E+00	4.4000E+06	2.2400E+001006	3	1	55
4.5000E+06	2.2600E+00	4.6000E+06	2.2700E+00	4.7000E+06	2.2750E+001006	3	1	56
4.9000E+06	2.2700E+00	5.0000E+06	2.2500E+00	5.2000E+06	2.2300E+001006	3	1	57
5.4000E+06	2.2000E+00	5.5000E+06	2.1800E+00	5.7000E+06	2.1500E+001006	3	1	58
6.0000E+06	2.1000E+00	6.4000E+06	2.0000E+00	7.0000E+06	1.9100E+001006	3	1	59
7.5000E+06	1.8500E+00	8.0000E+06	1.8200E+00	8.3000E+06	1.7750E+001006	3	1	60
8.8800E+06	1.7300E+00	9.0000E+06	1.7200E+00	1.0000E+07	1.6700E+001006	3	1	61
1.0500E+07	1.6500E+00	1.1000E+07	1.6100E+00	1.1500E+07	1.5900E+001006	3	1	62
1.2000E+07	1.5600E+00	1.2500E+07	1.5300E+00	1.3000E+07	1.5000E+001006	3	1	63
1.3500E+07	1.4800E+00	1.4000E+07	1.4600E+00	1.4500E+07	1.4350E+001006	3	1	64
1.5000E+07	1.4100E+00				1006	3	1	65
					1006	3	0	66
3007.	6.9557	0	0	0	01006	3	2	67
0.0	0.0	0	0	1	1061006	3	2	68
	106	5			1006	3	2	69
1.0000E-03	1.0500E+00	2.0000E-03	1.0500E+00	3.0000E-03	1.0500E+001006	3	2	70
4.0000E-03	1.0495E+00	5.0000E-03	1.0495E+00	6.0000E-03	1.0500E+001006	3	2	71
7.0000E-03	1.0500E+00	8.0000E-03	1.0495E+00	9.0000E-03	1.0495E+001006	3	2	72
1.0000E-02	1.0495E+00	2.0000E-02	1.0498E+00	2.5000E-02	1.0500E+001006	3	2	73
1.0000E-01	1.0498E+00	1.0000E+00	1.0492E+00	1.0000E+01	1.0492E+001006	3	2	74
1.0000E+02	1.0494E+00	1.0000E+03	1.0498E+00	1.0000E+04	1.0499E+001006	3	2	75
1.0000E+05	9.2988E-01	1.3000E+05	9.5988E-01	1.5000E+05	1.0500E+001006	3	2	76
1.7000E+05	1.2000E+00	1.8500E+05	1.3800E+00	2.0000E+05	1.7000E+001006	3	2	77
2.1000E+05	2.0300E+00	2.2000E+05	2.5000E+00	2.3000E+05	4.5000E+001006	3	2	78
2.4000E+05	6.3000E+00	2.5000E+05	1.0500E+01	2.5800E+05	1.0900E+011006	3	2	79
2.6000E+05	1.0500E+01	2.7000E+05	6.8000E+00	2.8000E+05	4.7500E+001006	3	2	80
2.9000E+05	3.6000E+00	3.0000E+05	2.7200E+00	3.1000E+05	2.2500E+001006	3	2	81
3.2000E+05	2.0500E+00	3.3000E+05	1.8000E+00	3.4000E+05	1.6000E+001006	3	2	82
3.5000E+05	1.4600E+00	3.6000E+05	1.3800E+00	3.7000E+05	1.3200E+001006	3	2	83
3.8000E+05	1.2800E+00	3.9000E+05	1.2500E+00	4.0000E+05	1.2300E+001006	3	2	84
4.5000E+05	1.1200E+00	5.0000E+05	1.0700E+00	5.3000E+05	1.0600E+001006	3	2	85
5.5000E+05	1.0670E+00	6.0000E+05	1.0800E+00	7.0000E+05	1.1700E+001006	3	2	86
8.0000E+05	1.2700E+00	9.0000E+05	1.3000E+00	1.0000E+06	1.3450E+001006	3	2	87
1.1000E+06	1.3600E+00	1.2000E+06	1.3900E+00	1.3000E+06	1.4050E+001006	3	2	88
1.4000E+06	1.4120E+00	1.5000E+06	1.4200E+00	1.6000E+06	1.4300E+001006	3	2	89
1.7000E+06	1.4410E+00	1.8000E+06	1.4570E+00	1.9000E+06	1.4790E+001006	3	2	90
2.0000E+06	1.4950E+00	2.2000E+06	1.5320E+00	2.4000E+06	1.5750E+001006	3	2	91
2.6000E+06	1.6140E+00	2.8210E+06	1.6490E+00	3.0000E+06	1.6830E+001006	3	2	92
3.2000E+06	1.7100E+00	3.4000E+06	1.7330E+00	3.6000E+06	1.7650E+001006	3	2	93
3.8000E+06	1.7950E+00	4.0000E+06	1.8350E+00	4.1000E+06	1.8670E+001006	3	2	94
4.2000E+06	1.8770E+00	4.3000E+06	1.8870E+00	4.4000E+06	1.8940E+001006	3	2	95
4.5000E+06	1.8990E+00	4.6000E+06	1.8930E+00	4.7000E+06	1.8780E+001006	3	2	96
4.9000E+06	1.8260E+00	5.0000E+06	1.7780E+00	5.2000E+06	1.6950E+001006	3	2	97
5.4000E+06	1.6190E+00	5.5000E+06	1.5800E+00	5.7000E+06	1.5230E+001006	3	2	98
6.0000E+06	1.4570E+00	6.4000E+06	1.3480E+00	7.0000E+06	1.2630E+001006	3	2	99
7.5000E+06	1.2160E+00	8.0000E+06	1.2000E+00	8.3000E+06	1.1670E+001006	3	2	100
8.8800E+06	1.1400E+00	9.0000E+06	1.1330E+00	1.0000E+07	1.1060E+001006	3	2	101
1.0500E+07	1.0940E+00	1.1000E+07	1.0710E+00	1.1500E+07	1.0641E+001006	3	2	102
1.2000E+07	1.0470E+00	1.2500E+07	1.0267E+00	1.3000E+07	1.0090E+001006	3	2	103
1.3500E+07	9.9500E-01	1.4000E+07	9.8000E-01	1.4500E+07	9.6100E-011006	3	2	104
1.5000E+07	9.4200E-01				1006	3	2	105
					1006	3	0	106
3007.	6.9557	0	0	0	01006	3	2	107
0.0	0.0	0	0	1	1061006	3	2	108
	106	5			1006	3	2	109
1.0000E-03	1.7100E-01	2.0000E-03	1.2300E-01	3.0000E-03	1.0100E-011006	3	3	110
4.0000E-03	8.7500E-02	5.0000E-03	7.8500E-02	6.0000E-03	7.2000E-021006	3	3	111
7.0000E-03	6.7000E-02	8.0000E-03	6.2500E-02	9.0000E-03	5.9500E-021006	3	3	112
1.0000E-02	5.6500E-02	2.0000E-02	4.0200E-02	2.5000E-02	3.6000E-021006	3	3	113
1.0000E-01	1.8200E-02	1.0000E+00	5.8000E-03	1.0000E+01	1.8000E-031006	3	3	114
1.0000E+02	6.0000E-04	1.0000E+03	2.0000E-04	1.0000E+04	1.0000E-041006	3	3	115
1.0000E+05	2.0000E-05	1.3000E+05	2.0000E-05	1.5000E+05	1.0000E-051006	3	3	116
1.7000E+05	1.0000E-05	1.8500E+05	1.0000E-05	2.0000E+05	1.0000E-051006	3	3	117
2.1000E+05	1.0000E-05	2.2000E+05	1.0000E-05	2.3000E+05	1.0000E-051006	3	3	118
2.4000E+05	1.0000E-05	2.5000E+05	1.0000E-05	2.5800E+05	1.0000E-051006	3	3	119

2.6000E+05	1.0000E-05	2.7000E+05	1.0000E-05	2.8000E+05	1.0000E-05	1006	3	3	120
2.9000E+05	1.0000E-05	3.0000E+05	1.0000E-05	3.1000E+05	1.0000E-05	1006	3	3	121
3.2000E+05	1.0000E-05	3.3000E+05	1.0000E-05	3.4000E+05	1.0000E-05	1006	3	3	122
3.5000E+05	1.0000E-05	3.6000E+05	1.0000E-05	3.7000E+05	1.0000E-05	1006	3	3	123
3.8000E+05	1.0000E-05	3.9000E+05	1.0000E-05	4.0000E+05	1.0000E-05	1006	3	3	124
4.5000E+05	1.0000E-05	5.0000E+05	1.0000E-05	5.3000E+05	1.0000E-05	1006	3	3	125
5.5000E+05	1.0100E-03	6.0000E+05	2.0010E-02	7.0000E+05	5.0010E-02	1006	3	3	126
8.0000E+05	8.0010E-02	9.0000E+05	1.1500E-01	1.0000E+06	1.5500E-01	1006	3	2	127
1.1000E+06	1.7000E-01	1.2000E+06	1.9000E-01	1.3000E+06	1.9500E-01	1006	3	3	128
1.4000E+06	1.9800E-01	1.5000E+06	2.0000E-01	1.6000E+06	2.0000E-01	1006	3	3	129
1.7000E+06	1.9900E-01	1.8000E+06	1.9800E-01	1.9000E+06	1.9600E-01	1006	3	3	130
2.0000E+06	1.9500E-01	2.2000E+06	1.9300E-01	2.4000E+06	1.9500E-01	1006	3	3	131
2.6000E+06	1.9600E-01	2.8210E+06	2.0200E-01	3.0000E+06	2.1700E-01	1006	3	3	132
3.2000E+06	2.4000E-01	3.4000E+06	2.6700E-01	3.6000E+06	2.8500E-01	1006	3	3	133
3.8000E+06	2.9500E-01	4.0000E+06	3.0500E-01	4.1000E+06	3.1300E-01	1006	3	3	134
4.2000E+06	3.2300E-01	4.3000E+06	3.3300E-01	4.4000E+06	3.4600E-01	1006	3	3	135
4.5000E+06	3.6100E-01	4.6000E+06	3.7700E-01	4.7000E+06	3.9700E-01	1006	3	3	136
4.9000E+06	4.4400E-01	5.0000E+06	4.7200E-01	5.2000E+06	5.3500E-01	1006	3	3	137
5.4000E+06	5.8100E-01	5.5000E+06	6.0000E-01	5.7000E+06	6.2700E-01	1006	3	3	138
6.0000E+06	6.4300E-01	6.4000E+06	6.5200E-01	7.0000E+06	6.4700E-01	1006	3	3	139
7.5000E+06	6.3400E-01	8.0000E+06	6.2000E-01	8.3000E+06	6.0800E-01	1006	3	3	140
8.8800E+06	5.9000E-01	9.0000E+06	5.8700E-01	1.0000E+07	5.6400E-01	1006	3	3	141
1.0500E+07	5.5600E-01	1.1000E+07	5.3900E-01	1.1500E+07	5.2590E-01	1006	3	3	142
1.2000E+07	5.1300E-01	1.2500E+07	5.0330E-01	1.3000E+07	4.9100E-01	1006	3	3	143
1.3500E+07	4.8500E-01	1.4000E+07	4.8000E-01	1.4500E+07	4.7400E-01	1006	3	3	144
1.5000E+07	4.6800E-01					1006	3	3	145
						1006	3	0	146
3007.	6.9557	0	1	0	0	01006	3	4	147
0.0	-4.78 F+05	0	0	1	1	581006	3	4	148
	58					1006	3	4	149
5.5000E+05	1.0000E-03	6.0000E+05	2.0000E-02	7.0000E+05	5.0000E-02	1006	3	4	150
8.0000E+05	8.0000E-02	9.0000E+05	1.1500E-01	1.0000E+06	1.5500E-01	1006	3	4	151
1.1000E+06	1.7000E-01	1.2000E+06	1.9000E-01	1.3000E+06	1.9500E-01	1006	3	4	152
1.4000E+06	1.9800E-01	1.5000E+06	2.0000E-01	1.6000E+06	2.0000E-01	1006	3	4	153
1.7000E+06	1.9900E-01	1.8000E+06	1.9800E-01	1.9000E+06	1.9600E-01	1006	3	4	154
2.0000E+06	1.9500E-01	2.2000E+06	1.9300E-01	2.4000E+06	1.9500E-01	1006	3	4	155
2.6000E+06	1.9600E-01	2.8210E+06	2.0100E-01	3.0000E+06	2.1500E-01	1006	3	4	156
3.2000E+06	2.3700E-01	3.4000E+06	2.6000E-01	3.6000E+06	2.7400E-01	1006	3	4	157
3.8000E+06	2.8000E-01	4.0000E+06	2.8500E-01	4.1000E+06	2.8600E-01	1006	3	4	158
4.2000E+06	2.8700E-01	4.3000E+06	2.8700E-01	4.4000E+06	2.8700E-01	1006	3	4	159
4.5000E+06	2.8600E-01	4.6000E+06	2.8500E-01	4.7000E+06	2.8400E-01	1006	3	4	160
4.9000E+06	2.8300E-01	5.0000E+06	2.8200E-01	5.2000E+06	2.8000E-01	1006	3	4	161
5.4000E+06	2.7600E-01	5.5000E+06	2.7500E-01	5.7000E+06	2.7000E-01	1006	3	4	162
6.0000E+06	2.6300E-01	6.4000E+06	2.5000E-01	7.0000E+06	2.2700E-01	1006	3	4	163
7.5000E+06	2.1100E-01	8.0000E+06	1.9500E-01	8.3000E+06	1.8500E-01	1006	3	4	164
8.8800E+06	1.6800E-01	9.0000E+06	1.6500E-01	1.0000E+07	1.3800E-01	1006	3	4	165
1.0500E+07	1.2800E-01	1.1000E+07	1.1500E-01	1.1500E+07	1.0500E-01	1006	3	4	166
1.2000E+07	9.6000E-02	1.2500E+07	9.1000E-02	1.3000E+07	8.5000E-02	1006	3	4	167
1.3500E+07	8.2000E-02	1.4000E+07	8.0000E-02	1.4500E+07	8.0000E-02	1006	3	4	168
1.5000E+07	8.0000E-02					1006	3	4	169
						1006	3	0	170
3007.	6.9557	0	0	0	0	01006	3	16	171
0.0	-7.252 F+06	0	0	1	1	141006	3	16	172
	14					1006	3	16	173
8.3000E+06	1.0000E-03	8.8800E+06	1.0000E-03	9.0000E+06	2.0000E-03	1006	3	16	174
1.0000E+07	1.0000E-02	1.0500E+07	1.4000E-02	1.1000E+07	1.6000E-02	1006	3	16	175
1.1500E+07	1.7700E-02	1.2000E+07	1.9000E-02	1.2500E+07	2.0000E-02	1006	3	16	176
1.3000E+07	2.1000E-02	1.3500E+07	2.1600E-02	1.4000E+07	2.2000E-02	1006	3	16	177
1.4500E+07	2.2600E-02	1.5000E+07	2.3000E-02			1006	3	16	178
						1006	3	0	179
3007.	6.9557	0	0	0	0	01006	3	22	180
0.0	-2.466 F+06	0	0	1	1	391006	3	22	181
	20					1006	3	22	182
2.8210E+06	1.0000E-03	3.0000E+06	2.0000E-03	3.2000E+06	3.0000E-03	1006	3	22	183
3.4000E+06	7.0000E-03	3.6000E+06	1.1000E-02	3.8000E+06	1.5000E-02	1006	3	22	184
4.0000E+06	2.0000E-02	4.1000E+06	2.7000E-02	4.2000E+06	3.6000E-02	1006	3	22	185
4.3000E+06	4.6000E-02	4.4000E+06	5.9000E-02	4.5000E+06	7.5000E-02	1006	3	22	186
4.6000E+06	9.2000E-02	4.7000E+06	1.1300E-01	4.9000E+06	1.6100E-01	1006	3	22	187
5.0000E+06	1.9000E-01	5.2000E+06	2.5500E-01	5.4000E+06	3.0500E-01	1006	3	22	188
5.5000E+06	3.2500E-01	5.7000E+06	3.5700E-01	6.0000E+06	3.8000E-01	1006	3	22	189
6.4000E+06	4.0200E-01	7.0000E+06	4.2000E-01	7.5000E+06	4.2300E-01	1006	3	22	190

8.0000E+06	4.2500E-01	8.3000E+06	4.2200E-01	8.8800E+06	4.2000E-01	11006	3	22	191
9.0000E+06	4.1900E-01	1.0000E+07	4.1400E-01	1.0500E+07	4.1000E-01	11006	3	22	192
1.1000E+07	4.0000E-01	1.1500E+07	3.9100E-01	1.2000E+07	3.8000E-01	11006	3	22	193
1.2500E+07	3.6800E-01	1.3000E+07	3.5500E-01	1.3500E+07	3.4500E-01	11006	3	22	194
1.4000E+07	3.3500E-01	1.4500E+07	3.2240E-01	1.5000E+07	3.1000E-01	11006	3	22	195
1006 3 0 196									
3007.	6.9557	0	0	0	0	01006	3	24	197
0.0	-8.723 E+06	0	0	1	1	111006	3	24	198
11 5 1006 3 24 199									
1.0000E+07	1.0000E-03	1.0500E+07	2.0000E-03	1.1000E+07	5.0000E-03	11006	3	24	200
1.1500E+07	8.6000E-03	1.2000E+07	1.3000E-02	1.2500E+07	1.7500E-02	11006	3	24	201
1.3000E+07	2.2000E-02	1.3500E+07	2.7400E-02	1.4000E+07	3.3000E-02	11006	3	24	202
1.4500E+07	3.8000E-02	1.5000E+07	4.3000E-02	1006 3 24 203					
1006 3 0 204									
3007.	6.9557	0	0	0	0	01006	3	102	205
0.0	2.032 E+06	0	0	1	1	1061006	3	102	206
106 5 1006 3 102 207									
1.0000E-03	1.7100E-01	2.0000E-03	1.2300E-01	3.0000E-03	1.0100E-01	11006	3	102	208
4.0000E-03	8.7500E-02	5.0000E-03	7.8500E-02	6.0000E-03	7.2000E-02	11006	3	102	209
7.0000E-03	6.7000E-02	8.0000E-03	6.2500E-02	9.0000E-03	5.9500E-02	11006	3	102	210
1.0000E-02	5.6500E-02	2.0000E-02	4.0200E-02	2.5000E-02	3.6000E-02	11006	3	102	211
1.0000E-01	1.8200E-02	1.0000E+00	5.8000E-03	1.0000E+01	1.8000E-03	11006	3	102	212
1.0000E+02	6.0000E-04	1.0000E+03	2.0000E-04	1.0000E+04	1.0000E-04	11006	3	102	213
1.0000E+05	2.0000E-05	1.3000E+05	2.0000E-05	1.5000E+05	1.0000E-05	11006	3	102	214
1.7000E+05	1.0000E-05	1.8500E+05	1.0000E-05	2.0000E+05	1.0000E-05	11006	3	102	215
2.1000E+05	1.0000E-05	2.2000E+05	1.0000E-05	2.3000E+05	1.0000E-05	11006	3	102	216
2.4000E+05	1.0000E-05	2.5000E+05	1.0000E-05	2.5800E+05	1.0000E-05	11006	3	102	217
2.6000E+05	1.0000E-05	2.7000E+05	1.0000E-05	2.8000E+05	1.0000E-05	11006	3	102	218
2.9000E+05	1.0000E-05	3.0000E+05	1.0000E-05	3.1000E+05	1.0000E-05	11006	3	102	219
3.2000E+05	1.0000E-05	3.3000E+05	1.0000E-05	3.4000E+05	1.0000E-05	11006	3	102	220
3.5000E+05	1.0000E-05	3.6000E+05	1.0000E-05	3.7000E+05	1.0000E-05	11006	3	102	221
3.8000E+05	1.0000E-05	3.9000E+05	1.0000E-05	4.0000E+05	1.0000E-05	11006	3	102	222
4.5000E+05	1.0000E-05	5.0000E+05	1.0000E-05	5.3000E+05	1.0000E-05	11006	3	102	223
5.5000E+05	1.0000E-05	6.0000E+05	1.0000E-05	7.0000E+05	1.0000E-05	11006	3	102	224
8.0000E+05	1.0000E-05	9.0000E+05	1.0000E-05	1.0000E+06	1.0000E-05	11006	3	102	225
1.1000E+06	1.0000E-05	1.2000E+06	1.0000E-05	1.3000E+06	1.0000E-05	11006	3	102	226
1.4000E+06	1.0000E-05	1.5000E+06	1.0000E-05	1.6000E+06	1.0000E-05	11006	3	102	227
1.7000E+06	1.0000E-05	1.8000E+06	1.0000E-05	1.9000E+06	1.0000E-05	11006	3	102	228
2.0000E+06	1.0000E-05	2.2000E+06	1.0000E-05	2.4000E+06	1.0000E-05	11006	3	102	229
2.6000E+06	1.0000E-05	2.8210E+06	1.0000E-05	3.0000E+06	1.0000E-05	11006	3	102	230
3.2000E+06	1.0000E-05	3.4000E+06	1.0000E-05	3.6000E+06	1.0000E-05	11006	3	102	231
3.8000E+06	1.0000E-05	4.0000E+06	1.0000E-05	4.1000E+06	1.0000E-05	11006	3	102	232
4.2000E+06	1.0000E-05	4.3000E+06	1.0000E-05	4.4000E+06	1.0000E-05	11006	3	102	233
4.5000E+06	1.0000E-05	4.6000E+06	1.0000E-05	4.7000E+06	1.0000E-05	11006	3	102	234
4.9000E+06	1.0000E-05	5.0000E+06	1.0000E-05	5.2000E+06	1.0000E-05	11006	3	102	235
5.4000E+06	1.0000E-05	5.5000E+06	1.0000E-05	5.7000E+06	1.0000E-05	11006	3	102	236
6.0000E+06	1.0000E-05	6.4000E+06	1.0000E-05	7.0000E+06	1.0000E-05	11006	3	102	237
7.5000E+06	1.0000E-05	8.0000E+06	1.0000E-05	8.3000E+06	1.0000E-05	11006	3	102	238
8.8800E+06	1.0000E-05	9.0000E+06	1.0000E-05	1.0000E+07	1.0000E-05	11006	3	102	239
1.0500E+07	1.0000E-05	1.1000E+07	1.0000E-05	1.1500E+07	1.0000E-05	11006	3	102	240
1.2000E+07	1.0000E-05	1.2500E+07	1.0000E-05	1.3000E+07	1.0000E-05	11006	3	102	241
1.3500E+07	1.0000E-05	1.4000E+07	1.0000E-05	1.4500E+07	1.0000E-05	11006	3	102	242
1.5000E+07	1.0000E-05	1006 3 102 243							
1006 3 0 244									
3007.	6.9557	0	0	0	0	01006	3	104	245
0.0	-7.76 E+06	0	0	1	1	131006	3	104	246
13 5 1006 3 104 247									
8.8800E+06	1.0000E-03	9.0000E+06	1.0000E-03	1.0000E+07	1.0000E-03	11006	3	104	248
1.0500E+07	2.0000E-03	1.1000E+07	3.0000E-03	1.1500E+07	3.6000E-03	11006	3	104	249
1.2000E+07	5.0000E-03	1.2500E+07	6.8000E-03	1.3000E+07	8.0000E-03	11006	3	104	250
1.3500E+07	9.0000E-03	1.4000E+07	1.0000E-02	1.4500E+07	1.1000E-02	11006	3	104	251
1.5000E+07	1.2000E-02	1006 3 104 252							
1006 3 0 253									
3007.	6.9557	0	0	0	0	01006	3	251	254
0.0	0.0	0	0	2	2	2721006	3	251	255
2 272 3 1006 3 251 256									
1.0000E-03	9.4994E-02	1.0000E+04	9.4994E-02	1.1000E+04	9.6706E-02	11006	3	251	257
1.2000E+04	9.8419E-02	1.3000E+04	1.0013E-01	1.4000E+04	1.0184E-01	11006	3	251	258
1.5000E+04	1.0356E-01	1.6000E+04	1.0527E-01	1.7000E+04	1.0698E-01	11006	3	251	259
1.8000E+04	1.0869E-01	1.9000E+04	1.1041E-01	2.0000E+04	1.1212E-01	11006	3	251	260
2.1000E+04	1.1383E-01	2.2000E+04	1.1554E-01	2.3000E+04	1.1726E-01	11006	3	251	261
2.4000E+04	1.1897E-01	2.5000E+04	1.2068E-01	2.6000E+04	1.2239E-01	11006	3	251	262

2.70000+04	1.24110-01	2.80000+04	1.25820-01	2.90000+04	1.27530-01	3251	263
3.00000+04	1.29240-01	3.10000+04	1.30960-01	3.20000+04	1.32670-01	3251	264
3.30000+04	1.34380-01	3.40000+04	1.36090-01	3.50000+04	1.37810-01	3251	265
3.60000+04	1.39520-01	3.70000+04	1.41230-01	3.80000+04	1.42940-01	3251	266
3.90000+04	1.44660-01	4.00000+04	1.46370-01	4.10000+04	1.48080-01	3251	267
4.20000+04	1.49790-01	4.30000+04	1.51510-01	4.40000+04	1.53220-01	3251	268
4.50000+04	1.54930-01	4.60000+04	1.56640-01	4.70000+04	1.58360-01	3251	269
4.80000+04	1.60070-01	4.90000+04	1.61780-01	5.00000+04	1.63490-01	3251	270
5.10000+04	1.65210-01	5.20000+04	1.66920-01	5.30000+04	1.68630-01	3251	271
5.40000+04	1.70350-01	5.50000+04	1.72060-01	5.60000+04	1.73770-01	3251	272
5.70000+04	1.75480-01	5.80000+04	1.77200-01	5.90000+04	1.78910-01	3251	273
6.00000+04	1.80620-01	6.10000+04	1.82330-01	6.20000+04	1.84050-01	3251	274
6.30000+04	1.85760-01	6.40000+04	1.87470-01	6.50000+04	1.89180-01	3251	275
6.60000+04	1.90900-01	6.70000+04	1.92610-01	6.80000+04	1.94320-01	3251	276
6.90000+04	1.96030-01	7.00000+04	1.97750-01	7.10000+04	1.99460-01	3251	277
7.20000+04	2.01170-01	7.30000+04	2.02880-01	7.40000+04	2.04600-01	3251	278
7.50000+04	2.06310-01	7.60000+04	2.08020-01	7.70000+04	2.09730-01	3251	279
7.80000+04	2.11450-01	7.90000+04	2.13160-01	8.00000+04	2.14870-01	3251	280
8.10000+04	2.16580-01	8.20000+04	2.18300-01	8.30000+04	2.20010-01	3251	281
8.40000+04	2.21720-01	8.50000+04	2.23430-01	8.60000+04	2.25150-01	3251	282
8.70000+04	2.26860-01	8.80000+04	2.28570-01	8.90000+04	2.30280-01	3251	283
9.00000+04	2.33370-01	9.10000+04	2.37170-01	9.20000+04	2.35420-01	3251	284
9.30000+04	2.37130-01	9.40000+04	2.38850-01	9.50000+04	2.40560-01	3251	285
9.60000+04	2.42270-01	9.70000+04	2.43980-01	9.80000+04	2.45700-01	3251	286
9.90000+04	2.47410-01	1.00000+05	2.49120-01	1.10000+05	2.66250-01	3251	287
1.20000+05	2.83370-01	1.30000+05	3.00500-01	1.40000+05	3.17620-01	3251	288
1.50000+05	3.34750-01	1.60000+05	3.51870-01	1.70000+05	3.69000-01	3251	289
1.80000+05	3.86120-01	1.90000+05	4.03250-01	2.00000+05	4.20380-01	3251	290
2.10000+05	4.22520-01	2.20000+05	4.09670-01	2.30000+05	3.89860-01	3251	291
2.40000+05	3.07360-01	2.50000+05	2.24850-01	2.60000+05	1.04000-01	3251	292
2.70000+05	4.03800-02	2.80000+05	7.04280-03	2.90000+05	3.98570-03	3251	293
3.00000+05	9.28540-04	3.10000+05	-2.12860-03	3.20000+05	-5.18580-03	3251	294
3.30000+05	-8.24290-03	3.40000+05	-1.13000-02	3.50000+05	-1.43570-02	3251	295
3.60000+05	-1.74140-02	3.70000+05	-2.04710-02	3.80000+05	-2.35290-02	3251	296
3.90000+05	-2.65860-02	4.00000+05	-2.96430-02	4.10000+05	-3.27000-02	3251	297
4.20000+05	-3.57570-02	4.30000+05	-3.88140-02	4.40000+05	-4.18720-02	3251	298
4.50000+05	-4.49290-02	4.60000+05	-4.79860-02	4.70000+05	-5.10430-02	3251	299
4.80000+05	-5.41000-02	4.90000+05	-5.71570-02	5.00000+05	-6.02140-02	3251	300
5.10000+05	-6.32720-02	5.20000+05	-6.63290-02	5.30000+05	-6.93860-02	3251	301
5.40000+05	-7.24430-02	5.50000+05	-7.55000-02	5.60000+05	-7.85570-02	3251	302
5.70000+05	-8.16150-02	5.80000+05	-8.46720-02	5.90000+05	-8.77290-02	3251	303
6.00000+05	-9.07860-02	6.10000+05	-8.89340-02	6.20000+05	-8.70820-02	3251	304
6.30000+05	-8.52290-02	6.40000+05	-8.33770-02	6.50000+05	-8.15250-02	3251	305
6.60000+05	-7.96730-02	6.70000+05	-7.78210-02	6.80000+05	-7.59680-02	3251	306
6.90000+05	-7.41160-02	7.00000+05	-7.22640-02	7.10000+05	-7.04120-02	3251	307
7.20000+05	-6.85600-02	7.30000+05	-6.67070-02	7.40000+05	-6.48550-02	3251	308
7.50000+05	-6.30030-02	7.60000+05	-6.11510-02	7.70000+05	-5.92990-02	3251	309
7.80000+05	-5.74460-02	7.90000+05	-5.55940-02	8.00000+05	-5.37420-02	3251	310
8.10000+05	-5.18900-02	8.20000+05	-5.00380-02	8.30000+05	-4.81860-02	3251	311
8.40000+05	-4.63330-02	8.50000+05	-4.44810-02	8.60000+05	-4.26290-02	3251	312
8.70000+05	-4.07770-02	8.80000+05	-3.89250-02	8.90000+05	-3.70720-02	3251	313
9.00000+05	-3.52200-02	9.10000+05	-3.33680-02	9.20000+05	-3.15160-02	3251	314
9.30000+05	-2.96640-02	9.40000+05	-2.78110-02	9.50000+05	-2.59590-02	3251	315
9.60000+05	-2.41070-02	9.70000+05	-2.22550-02	9.80000+05	-2.04030-02	3251	316
9.90000+05	-1.85500-02	1.00000+06	-1.66980-02	1.10000+06	1.82380-03	3251	317
1.20000+06	2.03460-02	1.30000+06	3.88680-02	1.40000+06	5.73900-02	3251	318
1.50000+06	7.59120-02	1.60000+06	8.34420-02	1.70000+06	9.00710-02	3251	319
1.80000+06	9.85010-02	1.90000+06	1.06030-01	2.00000+06	1.13560-01	3251	320
2.10000+06	1.21090-01	2.20000+06	1.28620-01	2.30000+06	1.36150-01	3251	321
2.40000+06	1.43680-01	2.50000+06	1.51210-01	2.60000+06	1.58740-01	3251	322
2.70000+06	1.66270-01	2.80000+06	1.73800-01	2.90000+06	1.81330-01	3251	323
3.00000+06	1.88860-01	3.10000+06	1.96390-01	3.20000+06	2.03920-01	3251	324
3.30000+06	2.11450-01	3.40000+06	2.11760-01	3.50000+06	2.04860-01	3251	325
3.60000+06	1.97950-01	3.70000+06	1.91040-01	3.80000+06	1.84140-01	3251	326
3.90000+06	1.77230-01	4.00000+06	1.70330-01	4.10000+06	1.87900-01	3251	327
4.20000+06	2.05480-01	4.30000+06	2.23060-01	4.40000+06	2.40630-01	3251	328
4.50000+06	2.58210-01	4.60000+06	2.75790-01	4.70000+06	2.93370-01	3251	329
4.80000+06	3.10940-01	4.90000+06	3.28520-01	5.00000+06	3.46100-01	3251	330
5.10000+06	3.63670-01	5.20000+06	3.79650-01	5.30000+06	3.94030-01	3251	331
5.40000+06	4.08410-01	5.50000+06	4.22790-01	5.60000+06	4.37170-01	3251	332
5.70000+06	4.51540-01	5.80000+06	4.65920-01	5.90000+06	4.80300-01	3251	333
6.00000+06	4.94680-01	6.10000+06	5.09060-01	6.20000+06	5.23440-01	3251	334

6.30000+06	5.37820-01	6.40000+06	5.49810-01	6.50000+06	5.58220-011006	3251	335
6.60000+06	5.66620-01	6.70000+06	5.75030-01	6.80000+06	5.83440-011006	3251	336
6.90000+06	5.91850-01	7.00000+06	6.00260-01	7.10000+06	6.08660-011006	3251	337
7.20000+06	6.17070-01	7.30000+06	6.25480-01	7.40000+06	6.33890-011006	3251	338
7.50000+06	6.42300-01	7.60000+06	6.46390-01	7.70000+06	6.47610-011006	3251	339
7.80000+06	6.48830-01	7.90000+06	6.50050-01	8.00000+06	6.51260-011006	3251	340
8.10000+06	6.52480-01	8.20000+06	6.53700-01	8.30000+06	6.54920-011006	3251	341
8.40000+06	6.56140-01	8.50000+06	6.57360-01	8.60000+06	6.58570-011006	3251	342
8.70000+06	6.59790-01	8.80000+06	6.61010-01	8.90000+06	6.62230-011006	3251	343
9.00000+06	6.63450-01	9.10000+06	6.64670-01	9.20000+06	6.65880-011006	3251	344
9.30000+06	6.67100-01	9.40000+06	6.68320-01	9.50000+06	6.69540-011006	3251	345
9.60000+06	6.70760-01	9.70000+06	6.71980-01	9.80000+06	6.73190-011006	3251	346
9.90000+06	6.74410-01	1.00000+07	6.75630-01		1006	3251	347
0.0	0.0	0	0		01006	3	348
3007.	6.9557	0	0		01006	3252	349
0.0	0.0	0	0	2	2721006	3252	350
	2	1	272	3	1006	3252	351
1.00000-03	2.59640-01	1.00000+04	2.59640-01	1.10000+04	2.59150-011006	3252	352
1.20000+04	2.58660-01	1.30000+04	2.58160-01	1.40000+04	2.57670-011006	3252	353
1.50000+04	2.57180-01	1.60000+04	2.56690-01	1.70000+04	2.56200-011006	3252	354
1.80000+04	2.55700-01	1.90000+04	2.55210-01	2.00000+04	2.54720-011006	3252	355
2.10000+04	2.54230-01	2.20000+04	2.53740-01	2.30000+04	2.53240-011006	3252	356
2.40000+04	2.52750-01	2.50000+04	2.52260-01	2.60000+04	2.51770-011006	3252	357
2.70000+04	2.51280-01	2.80000+04	2.50780-01	2.90000+04	2.50290-011006	3252	358
3.00000+04	2.49800-01	3.10000+04	2.49310-01	3.20000+04	2.48820-011006	3252	359
3.30000+04	2.48320-01	3.40000+04	2.47830-01	3.50000+04	2.47340-011006	3252	360
3.60000+04	2.46850-01	3.70000+04	2.46360-01	3.80000+04	2.45860-011006	3252	361
3.90000+04	2.45370-01	4.00000+04	2.44880-01	4.10000+04	2.44390-011006	3252	362
4.20000+04	2.43900-01	4.30000+04	2.43400-01	4.40000+04	2.42910-011006	3252	363
4.50000+04	2.42420-01	4.60000+04	2.41930-01	4.70000+04	2.41440-011006	3252	364
4.80000+04	2.40950-01	4.90000+04	2.40450-01	5.00000+04	2.39960-011006	3252	365
5.10000+04	2.39470-01	5.20000+04	2.38980-01	5.30000+04	2.38490-011006	3252	366
5.40000+04	2.37990-01	5.50000+04	2.37500-01	5.60000+04	2.37010-011006	3252	367
5.70000+04	2.36520-01	5.80000+04	2.36030-01	5.90000+04	2.35530-011006	3252	368
6.00000+04	2.35040-01	6.10000+04	2.34550-01	6.20000+04	2.34060-011006	3252	369
6.30000+04	2.33570-01	6.40000+04	2.33070-01	6.50000+04	2.32580-011006	3252	370
6.60000+04	2.32090-01	6.70000+04	2.31600-01	6.80000+04	2.31110-011006	3252	371
6.90000+04	2.30610-01	7.00000+04	2.30120-01	7.10000+04	2.29630-011006	3252	372
7.20000+04	2.29140-01	7.30000+04	2.28650-01	7.40000+04	2.28150-011006	3252	373
7.50000+04	2.27660-01	7.60000+04	2.27170-01	7.70000+04	2.26680-011006	3252	374
7.80000+04	2.26190-01	7.90000+04	2.25690-01	8.00000+04	2.25200-011006	3252	375
8.10000+04	2.24710-01	8.20000+04	2.24220-01	8.30000+04	2.23730-011006	3252	376
8.40000+04	2.23230-01	8.50000+04	2.22740-01	8.60000+04	2.22250-011006	3252	377
8.70000+04	2.21760-01	8.80000+04	2.21270-01	8.90000+04	2.20780-011006	3252	378
9.00000+04	2.20280-01	9.10000+04	2.19790-01	9.20000+04	2.19300-011006	3252	379
9.30000+04	2.18810-01	9.40000+04	2.18320-01	9.50000+04	2.17820-011006	3252	380
9.60000+04	2.17330-01	9.70000+04	2.16840-01	9.80000+04	2.16350-011006	3252	381
9.90000+04	2.15860-01	1.00000+05	2.15360-01	1.10000+05	2.10440-011006	3252	382
1.20000+05	2.05520-01	1.30000+05	2.00610-01	1.40000+05	1.95690-011006	3252	383
1.50000+05	1.90770-01	1.60000+05	1.85850-01	1.70000+05	1.80930-011006	3252	384
1.80000+05	1.76010-01	1.90000+05	1.71090-01	2.00000+05	1.66170-011006	3252	385
2.10000+05	1.65550-01	2.20000+05	1.69240-01	2.30000+05	1.74930-011006	3252	386
2.40000+05	1.98640-01	2.50000+05	2.22350-01	2.60000+05	2.57070-011006	3252	387
2.70000+05	2.75350-01	2.80000+05	2.84920-01	2.90000+05	2.85800-011006	3252	388
3.00000+05	2.86680-01	3.10000+05	2.87560-01	3.20000+05	2.88430-011006	3252	389
3.30000+05	2.89310-01	3.40000+05	2.90190-01	3.50000+05	2.91070-011006	3252	390
3.60000+05	2.91950-01	3.70000+05	2.92820-01	3.80000+05	2.93700-011006	3252	391
3.90000+05	2.94580-01	4.00000+05	2.95460-01	4.10000+05	2.96340-011006	3252	392
4.20000+05	2.97210-01	4.30000+05	2.98090-01	4.40000+05	2.98970-011006	3252	393
4.50000+05	2.99850-01	4.60000+05	3.00730-01	4.70000+05	3.01600-011006	3252	394
4.80000+05	3.02480-01	4.90000+05	3.03360-01	5.00000+05	3.04240-011006	3252	395
5.10000+05	3.05120-01	5.20000+05	3.05990-01	5.30000+05	3.06870-011006	3252	396
5.40000+05	3.07750-01	5.50000+05	3.08630-01	5.60000+05	3.09510-011006	3252	397
5.70000+05	3.10380-01	5.80000+05	3.11260-01	5.90000+05	3.12140-011006	3252	398
6.00000+05	3.13020-01	6.10000+05	3.12490-01	6.20000+05	3.11950-011006	3252	399
6.30000+05	3.11420-01	6.40000+05	3.10890-01	6.50000+05	3.10360-011006	3252	400
6.60000+05	3.09830-01	6.70000+05	3.09290-01	6.80000+05	3.08760-011006	3252	401
6.90000+05	3.08230-01	7.00000+05	3.07700-01	7.10000+05	3.07170-011006	3252	402
7.20000+05	3.06630-01	7.30000+05	3.06100-01	7.40000+05	3.05570-011006	3252	403
7.50000+05	3.05040-01	7.60000+05	3.04510-01	7.70000+05	3.03970-011006	3252	404
7.80000+05	3.03440-01	7.90000+05	3.02910-01	8.00000+05	3.02380-011006	3252	405

8.10000+05	3.01850-01	8.20000+05	3.01310-01	8.30000+05	3.00780-011006	3252	406	
8.40000+05	3.00250-01	8.50000+05	2.99720-01	8.60000+05	2.99180-011006	3252	407	
8.70000+05	2.98650-01	8.80000+05	2.98120-01	8.90000+05	2.97590-011006	3252	408	
9.00000+05	2.97060-01	9.10000+05	2.96520-01	9.20000+05	2.95990-011006	3252	409	
9.30000+05	2.95460-01	9.40000+05	2.94930-01	9.50000+05	2.94400-011006	3252	410	
9.60000+05	2.93860-01	9.70000+05	2.93330-01	9.80000+05	2.92800-011006	3252	411	
9.90000+05	2.92270-01	1.00000+06	2.91740-01	1.10000+06	2.86410-011006	3252	412	
1.20000+06	2.81090-01	1.30000+06	2.75770-01	1.40000+06	2.70450-011006	3252	413	
1.50000+06	2.65130-01	1.60000+06	2.62970-01	1.70000+06	2.60810-011006	3252	414	
1.80000+06	2.58650-01	1.90000+06	2.56480-01	2.00000+06	2.54320-011006	3252	415	
2.10000+06	2.52160-01	2.20000+06	2.50000-01	2.30000+06	2.47840-011006	3252	416	
2.40000+06	2.45680-01	2.50000+06	2.43510-01	2.60000+06	2.41350-011006	3252	417	
2.70000+06	2.39190-01	2.80000+06	2.37030-01	2.90000+06	2.34870-011006	3252	418	
3.00000+06	2.32710-01	3.10000+06	2.30540-01	3.20000+06	2.28380-011006	3252	419	
3.30000+06	2.26220-01	3.40000+06	2.26130-01	3.50000+06	2.28120-011006	3252	420	
3.60000+06	2.30110-01	3.70000+06	2.32100-01	3.80000+06	2.34090-011006	3252	421	
3.90000+06	2.36080-01	4.00000+06	2.38070-01	4.10000+06	2.33020-011006	3252	422	
4.20000+06	2.27980-01	4.30000+06	2.22930-01	4.40000+06	2.17890-011006	3252	423	
4.50000+06	2.12850-01	4.60000+06	2.07800-01	4.70000+06	2.02760-011006	3252	424	
4.80000+06	1.97710-01	4.90000+06	1.92670-01	5.00000+06	1.87630-011006	3252	425	
5.10000+06	1.82580-01	5.20000+06	1.78000-01	5.30000+06	1.73870-011006	3252	426	
5.40000+06	1.69740-01	5.50000+06	1.65610-01	5.60000+06	1.61480-011006	3252	427	
5.70000+06	1.57350-01	5.80000+06	1.53220-01	5.90000+06	1.49090-011006	3252	428	
6.00000+06	1.44960-01	6.10000+06	1.40830-01	6.20000+06	1.36700-011006	3252	429	
6.30000+06	1.32570-01	6.40000+06	1.29130-01	6.50000+06	1.26730-011006	3252	430	
6.60000+06	1.24320-01	6.70000+06	1.21910-01	6.80000+06	1.19500-011006	3252	431	
6.90000+06	1.17100-01	7.00000+06	1.14690-01	7.10000+06	1.12280-011006	3252	432	
7.20000+06	1.09880-01	7.30000+06	1.07470-01	7.40000+06	1.05060-011006	3252	433	
7.50000+06	1.02650-01	7.60000+06	1.01480-01	7.70000+06	1.01130-011006	3252	434	
7.80000+06	1.00780-01	7.90000+06	1.00430-01	8.00000+06	1.00080-011006	3252	435	
8.10000+06	9.97280-02	8.20000+06	9.93780-02	8.30000+06	9.90270-021006	3252	436	
8.40000+06	9.86760-02	8.50000+06	9.83260-02	8.60000+06	9.79750-021006	3252	437	
8.70000+06	9.76250-02	8.80000+06	9.72740-02	8.90000+06	9.69230-021006	3252	438	
9.00000+06	9.65730-02	9.10000+06	9.62220-02	9.20000+06	9.58710-021006	3252	439	
9.30000+06	9.55210-02	9.40000+06	9.51700-02	9.50000+06	9.48200-021006	3252	440	
9.60000+06	9.44690-02	9.70000+06	9.41180-02	9.80000+06	9.37680-021006	3252	441	
9.90000+06	9.34170-02	1.00000+07	9.30660-02		1.006	3252	442	
0.0	+00	0.0	+00	0	01006	3	443	
					1006	0	444	
2.00700+03	6.95570+00	1	1	0	01006	4	445	
0.0	6.95570+00	0	2	100	91006	4	446	
1.00000+00	9.58474-02	4.14630-03	-8.02229-09	0.	0.	1006	4	447
0.	0.	0.	0.	0.	9.87548-011006	4	448	
1.71503-01	1.41737-02	5.69248-04	1.21072-05	-4.43385-07	0.	1006	4	449
0.	0.	0.	-9.41493-02	9.67702-01	2.42502-011006	4	450	
2.93180-02	2.05714-03	8.97163-05	1.33580-06	1.62270-07	-1.47597-081006	4	451	
0.	1.21647-02	-1.67009-01	9.37453-01	3.09459-01	4.92327-021006	4	452	
4.80812-03	3.13253-04	1.24678-05	4.88023-07	0.	-1.66465-031006	4	453	
2.74470-02	2.33657-01	8.97765-01	3.71868-01	7.35238-02	9.13622-031006	4	454	
7.84899-04	4.66161-05	0.	2.32608-04	-4.38518-03	4.68330-021006	4	455	
-2.94976-01	8.49297-01	4.28973-01	1.01722-01	1.53174-02	1.62662-031006	4	456	
0.	-3.28284-05	6.87851-04	-8.58585-03	7.00379-02	-3.50564-011006	4	457	
7.92807-01	4.79996-01	1.33282-01	2.35820-02	0.	4.65873-061006	4	458	
-1.06509-04	1.49724-03	-1.45251-02	9.65769-02	-3.99804-01	7.29170-011006	4	459	
5.24218-01	1.67585-01	0.	-6.63361-07	1.63342-05	-2.52752-041006	4	460	
2.79205-03	-2.23993-02	1.25867-01	-4.42084-01	6.59362-01	5.61014-011006	4	461	
0.	9.46657-08	-2.47707-06	4.17080-05	-5.10941-04	4.71157-031006	4	462	
-3.23470-02	1.57259-01	-4.76869-01	5.84449-01		1006	4	463	
0.	0.	0	0	1	141006	4	464	
	14	3			1006	4	465	
0.	10.00000+03	0	0	9	01006	4	466	
0.0	0.0	0.0	0.0	0.0	1006	4	467	
0.0	0.0	0.0			1006	4	468	
0.	2.05000+05	0	0	9	01006	4	469	
3.45565-01	8.10150-02	1.23154-02	1.58350-03	1.06782-04	-1.41664-041006	4	470	
-7.34709-04	-9.45421-04	-6.64936-05			1006	4	471	
0.	2.29000+05	0	0	9	01006	4	472	
3.11224-01	4.71841-02	7.58270-03	-4.11077-05	-1.32173-03	-2.53623-041006	4	473	
4.01348-04	-3.68343-04	-2.66738-04			1006	4	474	
0.	2.55000+05	0	0	9	01006	4	475	
9.82434-02	9.26970-02	1.61113-02	9.28764-04	-1.32008-03	-9.73470-041006	4	476	

1.35066-04	3.86419-04	1.87506-04				1006	4	2	477
0.	2.59000+05	0	0	0	9	01006	4	2	478
2.56913-02	1.06970-01	2.92985-03	1.46446-03	3.25540-03	1.73522-03	1006	4	2	479
-1.33218-03	4.89519-04	9.92804-05				1006	4	2	480
0.	2.75000+05	0	0	0	0	01006	4	2	481
-7.82594-02	9.51991-02	1.88036-02	2.43179-03	5.01273-04	1.78364-04	1006	4	2	482
5.89493-04	8.97164-04	3.52224-04				1006	4	2	483
0.	6.00000+05	0	0	9	0	01006	4	2	484
-1.83242-01	4.96529-02	1.12467-02	2.23120-03	1.89945-04	3.92140-06	1006	4	2	485
6.88925-04	1.36882-03	1.59715-04				1006	4	2	486
0.	1.50000+06	0	0	9	0	01006	4	2	487
-1.36284-02	5.90467-02	7.72684-03	2.80710-03	1.32752-03	7.17998-05	1006	4	2	488
5.01433-04	6.37500-04	1.91796-04				1006	4	2	489
0.	3.35000+06	0	0	9	0	01006	4	2	490
1.36573-01	1.58300-01	3.69642-03	3.69671-04	3.95939-03	1.26524-03	1006	4	2	491
-1.27796-03	9.00555-05	9.74845-04				1006	4	2	492
0.	4.00000+06	0	0	9	0	01006	4	2	493
9.63609-02	2.15696-01	2.52511-02	1.45175-02	3.56130-03	1.29051-03	1006	4	2	494
1.10700-03	4.71843-04	1.24525-03				1006	4	2	495
0.	5.15000+06	0	0	9	0	01006	4	2	496
3.03358-01	2.55965-01	1.29321-01	3.59112-02	3.44803-03	2.88717-03	1006	4	2	497
-5.97230-04	2.39404-03	1.25267-03				1006	4	2	498
0.	6.36000+06	0	0	9	0	01006	4	2	499
4.84595-01	3.14866-01	1.65075-01	4.14309-02	6.22846-03	3.68585-03	1006	4	2	500
-5.87016-04	1.67440-03	3.15672-04				1006	4	2	501
0.	7.54000+06	0	0	9	0	01006	4	2	502
5.91305-01	3.91602-01	2.33958-01	7.92606-02	2.72894-02	9.48372-03	1006	4	2	503
-3.30129-04	6.00637-04	4.34878-04				1006	4	2	504
0.	1.40000+07	0	0	9	0	01006	4	2	505
6.74074-01	4.22742-01	2.27701-01	7.21498-02	8.79588-03	2.03312-03	1006	4	2	506
-4.93251-03	2.81184-04	3.46586-03				1006	4	2	507
0.	0.	0	0	0	0	01006	4	0	508
3007.	6.9557	0	2	0	0	01006	4	4	509
0.0	0.0	0	1	0	0	01006	4	4	510
0.0	0.0	0	0	1	0	21006	4	4	511
0.0	2	2	0	0	1	21006	4	4	512
0.0	5.5	F+05	0	0	1	21006	4	4	513
0.0	2	2	0	0	0	1006	4	4	514
-1.0	0.5	1.0	0.5	0	0	1006	4	4	515
0.0	1.5	F+07	0	0	1	21006	4	4	516
0.0	2	2	0	0	0	1006	4	4	517
-1.0	0.5	1.0	0.5	0	0	1006	4	4	518
0.0	0.5	1.0	0.5	0	0	1006	4	0	519
3007.	6.9557	0	2	0	0	01006	4	16	520
0.0	0.0	0	1	0	0	01006	4	16	521
0.0	0.0	0	0	1	0	21006	4	16	522
0.0	2	2	0	0	1	1006	4	16	523
0.0	8.3	F+06	0	0	1	21006	4	16	524
0.0	2	2	0	0	0	1006	4	16	525
-1.0	0.5	1.0	0.5	0	0	1006	4	16	526
0.0	1.5	F+07	0	0	1	21006	4	16	527
0.0	2	2	0	0	0	1006	4	16	528
-1.0	0.5	1.0	0.5	0	0	1006	4	16	529
0.0	0.5	1.0	0.5	0	0	1006	4	0	530
3007.	6.9557	0	2	0	0	01006	4	22	531
0.0	0.0	0	1	0	0	01006	4	22	532
0.0	0.0	0	0	1	0	121006	4	22	533
0.0	12	2	0	0	1	1006	4	22	534
0.0	2.821	F+06	0	0	1	21006	4	22	535
0.0	2	2	0	0	0	1006	4	22	536
-1.0	0.5	1.0	0.5	0	0	1006	4	22	537
0.	5.10000+06	0	0	1	0	111006	4	22	538
0.	11	2	0	0	0	1006	4	22	539
-1.0000F+00	2.4020E-01	8.0000E-01	2.4920E-01	6.0000E-01	2.7020E-01	1006	4	22	540
-4.0000E-01	3.2270E-01	2.0000E-01	3.9030E-01	0.	4.6830E-01	1006	4	22	541
2.0000E-01	5.5540E-01	4.0000E-01	6.5300E-01	6.0000E-01	7.5050E-01	1006	4	22	542
8.0000E-01	8.0760E-01	1.0000E+00	8.2560E-01	0.	0.	1006	4	22	543
0.	5.4000F+06	0	0	1	0	111006	4	22	544
0.	11	2	0	0	0	1006	4	22	545
-1.0000F+00	1.9650E-01	8.0000E-01	2.2170E-01	6.0000E-01	2.5260E-01	1006	4	22	546
-4.0000F-01	2.9570F-01	2.0000E-01	3.6490F-01	0.	4.5660E-01	1006	4	22	547
2.0000F-01	5.6140F-01	4.0000E-01	6.7370E-01	6.0000E-01	7.8220E-01	1006	4	22	548

8.0000E-01	8.5140E-01	1.0000E+00	8.8320E-01		1006	4	22	549	
0.	5.8000E+06	0	0	1	111006	4	22	550	
11	2				1006	4	22	551	
-1.0000E+00	2.4360E-01	-8.0000E-01	2.5230E-01	-6.0000E-01	2.6970E-01	11006	4	22	552
-4.0000E-01	3.0540E-01	-2.0000E-01	3.5670E-01	0.	4.2720E-01	11006	4	22	553
2.0000E-01	5.2200E-01	4.0000E-01	6.4900E-01	6.0000E-01	7.7950E-01	11006	4	22	554
8.0000E-01	8.6310E-01	1.0000E+00	9.0660E-01			1006	4	22	555
0.	6.5000E+06	0	0	1	111006	4	22	556	
11	2				1006	4	22	557	
-1.0000E+00	1.4590E-01	-8.0000E-01	1.8530E-01	-6.0000E-01	2.3170E-01	11006	4	22	558
-4.0000E-01	3.0200E-01	-2.0000E-01	3.9470E-01	0.	5.0450E-01	11006	4	22	559
2.0000E-01	6.1610E-01	4.0000E-01	7.1220E-01	6.0000E-01	7.7230E-01	11006	4	22	560
8.0000E-01	8.0140E-01	1.0000E+00	8.1350E-01			1006	4	22	561
0.	7.0000E+06	0	0	1	111006	4	22	562	
11	2				1006	4	22	563	
-1.0000E+00	1.8250E-01	-8.0000E-01	2.1160E-01	-6.0000E-01	2.4810E-01	11006	4	22	564
-4.0000E-01	3.1090E-01	-2.0000E-01	4.0140E-01	0.	4.8610E-01	11006	4	22	565
2.0000E-01	5.7660E-01	4.0000E-01	6.7290E-01	6.0000E-01	7.6630E-01	11006	4	22	566
8.0000E-01	8.1740E-01	1.0000E+00	8.3490E-01			1006	4	22	567
0.	7.5000E+06	0	0	1	111006	4	22	568	
11	2				1006	4	22	569	
-1.0000E+00	2.5860E-01	-8.0000E-01	2.6130E-01	-6.0000E-01	2.7220E-01	11006	4	22	570
-4.0000E-01	2.9940E-01	-2.0000E-01	3.6740E-01	0.	4.6000E-01	11006	4	22	571
2.0000E-01	5.5930E-01	4.0000E-01	6.6550E-01	6.0000E-01	7.6210E-01	11006	4	22	572
8.0000E-01	8.0840E-01	1.0000E+00	8.3020E-01			1006	4	22	573
0.	8.0000E+06	0	0	1	111006	4	22	574	
11	2				1006	4	22	575	
-1.0000E+00	2.3110E-01	-8.0000E-01	2.4610E-01	-6.0000E-01	2.6860E-01	11006	4	22	576
-4.0000E-01	3.1540E-01	-2.0000E-01	3.8100E-01	0.	4.6720E-01	11006	4	22	577
2.0000E-01	5.7960E-01	4.0000E-01	6.8460E-01	6.0000E-01	7.4950E-01	11006	4	22	578
8.0000E-01	7.8890E-01	1.0000E+00	8.0700E-01			1006	4	22	579
0.	9.3000E+06	0	0	1	111006	4	22	580	
11	2				1006	4	22	581	
-1.0000E+00	2.1290E-01	-8.0000E-01	2.1870E-01	-6.0000E-01	2.3020E-01	11006	4	22	582
-4.0000E-01	2.6700E-01	-2.0000E-01	3.4530E-01	0.	4.4660E-01	11006	4	22	583
2.0000E-01	5.6400E-01	4.0000E-01	6.9750E-01	6.0000E-01	8.0570E-01	11006	4	22	584
8.0000E-01	8.6560E-01	1.0000E+00	9.0690E-01			1006	4	22	585
0.	1.0600E+07	0	0	1	111006	4	22	586	
11	2				1006	4	22	587	
-1.0000E+00	2.3330E-01	-8.0000E-01	2.4940E-01	-6.0000E-01	2.8160E-01	11006	4	22	588
-4.0000E-01	3.3470E-01	-2.0000E-01	4.0230E-01	0.	4.8270E-01	11006	4	22	589
2.0000E-01	5.7200E-01	4.0000E-01	6.5330E-01	6.0000E-01	7.2490E-01	11006	4	22	590
8.0000E-01	7.7880E-01	1.0000E+00	8.0770E-01			1006	4	22	591
0.	1.2000E+07	0	0	1	111006	4	22	592	
11	2				1006	4	22	593	
-1.0000E+00	2.1520E-01	-8.0000E-01	2.3090E-01	-6.0000E-01	2.5650E-01	11006	4	22	594
-4.0000E-01	2.9540E-01	-2.0000E-01	3.4840E-01	0.	4.4030E-01	11006	4	22	595
2.0000E-01	5.6270E-01	4.0000E-01	6.9270E-01	6.0000E-01	7.9440E-01	11006	4	22	596
8.0000E-01	8.4080E-01	1.0000E+00	8.6060E-01			1006	4	22	597
0.	1.5000E+07	0	0	1	111006	4	22	598	
11	2				1006	4	22	599	
-1.0000E+00	4.5360E-01	-8.0000E-01	4.9180E-01	-6.0000E-01	5.0760E-01	11006	4	22	600
-4.0000E-01	5.0540E-01	-2.0000E-01	4.8190E-01	0.	4.5610E-01	11006	4	22	601
2.0000E-01	4.2360E-01	4.0000E-01	4.1610E-01	6.0000E-01	4.4880E-01	11006	4	22	602
8.0000E-01	5.4090E-01	1.0000E+00	1.0026E+00			1006	4	22	603
3007.	6.9557	0	2	0		1006	4	0	604
0.0	0.0	0	1	0		01006	4	24	605
0.0	0.0	0	0	1		11006	4	24	606
2	2					1006	4	24	607
0.0	1.0	F+06	0	0	1	21006	4	24	608
2	2					1006	4	24	609
-1.0	0.5	1.0	0.5			1006	4	24	610
						1006	4	24	611
						1006	4	0	612
						1006	0	0	613
3007.	6.9557	0	0	1		01006	5	16	614
0.0	7.9748E+06	0	3	1		21006	5	16	615
2	2					1006	5	16	616
8.3	F+06	1.0	1.5	E+07	1.0	1006	5	16	617
						1006	5	0	618
3007.	6.9557	0	0	3		01006	5	22	619
0.0	2.466	F+06	0	1		21006	5	22	620

2.821	F+06	1.0	4.3	F+06	1.0			1006	5	22	621
0.0		0.0		0		5	1	1006	5	22	622
4.3	F+06	1.0	4.8	F+06	1.0			21006	5	22	623
0.0		0.0		0		0	1	1006	5	22	624
4.3	F+06	4.3	F+06	4.8	E+06	4.8	E+06	1006	5	22	625
0.0		0.0		0		0	1	21006	5	22	626
0.0	F+00	4.0	0.1	F+00	4.0	0.4	F+00	1006	5	22	627
1.0	F+00	0.0						1006	5	22	628
0.0		0.0		0		1	1	41006	5	22	629
4.8	F+06	1.0	1.5	F+07	1.0			1006	5	22	630
0.0		0.0		0		0	1	1006	5	22	631
0.0		0.0						21006	5	22	632
4.8	F+06	1.0						1006	5	22	633
0.0		0.0						1006	5	22	634
0.0		0.0						221006	5	22	635
0.0		0.0						1006	5	22	636
0.0		0.0						111006	5	22	637
0.0		0.0						1006	5	22	638
0.0		0.0						1006	5	22	639
0.0		0.0						1006	5	22	640
0.0		0.0						1006	5	22	641
0.0		0.0						1006	5	22	642
0.0		0.0						1006	5	22	643
0.0		0.0						1006	5	22	644
0.0		0.0						1006	5	22	645
0.0		0.0						1006	5	22	646
0.0		0.0						1006	5	22	647
0.0		0.0						1006	5	22	648
0.0		0.0						1006	5	22	649
0.0		0.0						1006	5	22	650
0.0		0.0						1006	5	22	651
0.0		0.0						1006	5	22	652
0.0		0.0						1006	5	22	653
0.0		0.0						1006	5	22	654
0.0		0.0						1006	5	22	655
0.0		0.0						1006	5	22	656
0.0		0.0						1006	5	22	657
0.0		0.0						1006	5	22	658
0.0		0.0						1006	5	22	659
0.0		0.0						1006	5	22	660
0.0		0.0						1006	5	22	661
0.0		0.0						1006	5	22	662
0.0		0.0						1006	5	22	663
0.0		0.0						1006	5	22	664
0.0		0.0						1006	5	22	665
0.0		0.0						1006	5	22	666
0.0		0.0						1006	5	22	667
0.0		0.0						1006	5	22	668
0.0		0.0						1006	5	22	669
0.0		0.0						1006	5	22	670
0.0		0.0						1006	5	22	671
0.0		0.0						1006	5	22	672
0.0		0.0						1006	5	22	673
0.0		0.0						1006	5	22	674
0.0		0.0						1006	5	22	675
0.0		0.0						1006	5	22	676
0.0		0.0						1006	5	22	677
0.0		0.0						1006	5	22	678
0.0		0.0						1006	5	22	679
0.0		0.0						1006	5	22	680
0.0		0.0						1006	5	22	681
0.0		0.0						1006	5	22	682
0.0		0.0						1006	5	22	683
0.0		0.0						1006	5	22	684
0.0		0.0						1006	5	22	685
0.0		0.0						1006	5	22	686
0.0		0.0						1006	5	22	687
0.0		0.0						1006	5	22	688
0.0		0.0						1006	5	22	689
0.0		0.0						1006	5	22	690
0.0		0.0						1006	5	22	691

0.	6.5606E-08	4.0000E+05	2.7457E-07	8.0000E+05	4.0092E-071006	5	22	692
1.2000E+06	4.8840E-07	1.3000E+06	4.9326E-07	1.4000E+06	4.9083E-071006	5	22	693
1.6000E+06	4.7139E-07	1.8000E+06	4.2765E-07	3.0000E+06	7.7755E-081006	5	22	694
3.2000E+06	4.8597E-08	3.4000E+06	2.9158E-08	3.6000E+06	1.9439E-081006	5	22	695
3.8000E+06	1.4579E-08	4.0000E+06	1.2149E-08		1006	5	22	696
0.0	7.25 F+06	0	0	1	141006	5	22	697
14	2				1006	5	22	698
0.	6.5606E-08	4.0000E+05	2.7457E-07	8.0000E+05	4.0092E-071006	5	22	699
1.2000E+06	4.8840E-07	1.3000E+06	4.9326E-07	1.4000E+06	4.9083E-071006	5	22	700
1.6000E+06	4.7139E-07	1.8000E+06	4.2765E-07	3.0000E+06	7.7755E-081006	5	22	701
3.2000E+06	4.8597E-08	3.4000E+06	2.9158E-08	3.6000E+06	1.9439E-081006	5	22	702
3.8000E+06	1.4579E-08	4.0000E+06	1.2149E-08		1006	5	22	703
0.0	7.25 F+06	0	0	1	141006	5	22	704
14	2				1006	5	22	705
0.	2.5110E-07	2.0000E+05	2.6200E-07	1.0000E+06	3.2540E-071006	5	22	706
1.4000E+06	3.5050E-07	1.8000E+06	3.6580E-07	1.9000E+06	3.6690E-071006	5	22	707
2.0000E+06	3.6470E-07	2.4000E+06	3.1990E-07	2.8000E+06	2.4890E-071006	5	22	708
3.2000E+06	1.4190E-07	3.4000E+06	6.4400E-08	3.5000E+06	3.4900E-081006	5	22	709
3.6000E+06	2.1800E-08	4.0000E+06	4.4000E-09		1006	5	22	710
0.0	7.75 F+06	0	0	1	141006	5	22	711
14	2				1006	5	22	712
0.	2.5110E-07	2.0000E+05	2.6200E-07	1.0000E+06	3.2540E-071006	5	22	713
1.4000E+06	3.5050E-07	1.8000E+06	3.6580E-07	1.9000E+06	3.6690E-071006	5	22	714
2.0000E+06	3.6470E-07	2.4000E+06	3.1990E-07	2.8000E+06	2.4890E-071006	5	22	715
3.2000E+06	1.4190E-07	3.4000E+06	6.4400E-08	3.5000E+06	3.4900E-081006	5	22	716
3.6000E+06	2.1800E-08	4.0000E+06	4.4000E-09		1006	5	22	717
0.0	7.75 F+06	0	0	1	141006	5	22	718
13	2				1006	5	22	719
0.	1.6710E-07	5.0000E+05	1.7490E-07	1.0000E+06	1.9660E-071006	5	22	720
1.5000E+06	2.2800E-07	2.0000E+06	2.6140E-07	2.5000E+06	2.8300E-071006	5	22	721
2.7500E+06	2.8500E-07	3.0000E+06	2.8110E-07	3.2500E+06	2.6830E-071006	5	22	722
3.5000E+06	2.4370E-07	4.0000E+06	1.6900E-07	4.2500E+06	1.5630E-071006	5	22	723
4.5000E+06	1.5330E-07				1006	5	22	724
0.0	8.65 F+06	0	0	1	131006	5	22	725
13	2				1006	5	22	726
0.	1.6710E-07	5.0000E+05	1.7490E-07	1.0000E+06	1.9660E-071006	5	22	727
1.5000E+06	2.2800E-07	2.0000E+06	2.6140E-07	2.5000E+06	2.8300E-071006	5	22	728
2.7500E+06	2.8500E-07	3.0000E+06	2.8110E-07	3.2500E+06	2.6830E-071006	5	22	729
3.5000E+06	2.4370E-07	4.0000E+06	1.6900E-07	4.2500E+06	1.5630E-071006	5	22	730
4.5000E+06	1.5330E-07				1006	5	22	731
0.0	8.65 F+06	0	0	1	151006	5	22	732
15	2				1006	5	22	733
0.	7.0700E-08	5.0000E+05	7.8600E-08	1.0000E+06	9.6200E-081006	5	22	734
1.5000E+06	1.2960E-07	2.5000E+06	2.6510E-07	3.0000E+06	2.9850E-071006	5	22	735
3.2500E+06	3.0440E-07	3.5000E+06	3.0440E-07	3.7500E+06	2.9950E-071006	5	22	736
4.0000E+06	2.8570E-07	4.5000E+06	1.8660E-07	4.7500E+06	1.1590E-071006	5	22	737
5.0000E+06	7.6600E-08	5.5000E+06	3.5400E-08	6.0000E+06	2.9500E-081006	5	22	738
0.0	9.95 F+06	0	0	1	151006	5	22	739
15	2				1006	5	22	740
0.	7.0700E-08	5.0000E+05	7.8600E-08	1.0000E+06	9.6200E-081006	5	22	741
1.5000E+06	1.2960E-07	2.5000E+06	2.6510E-07	3.0000E+06	2.9850E-071006	5	22	742
3.2500E+06	3.0440E-07	3.5000E+06	3.0440E-07	3.7500E+06	2.9950E-071006	5	22	743
4.0000E+06	2.8570E-07	4.5000E+06	1.8660E-07	4.7500E+06	1.1590E-071006	5	22	744
5.0000E+06	7.6600E-08	5.5000E+06	3.5400E-08	6.0000E+06	2.9500E-081006	5	22	745
0.0	9.95 F+06	0	0	1	131006	5	22	746
13	2				1006	5	22	747
0.	8.6551E-08	5.0000E+05	9.3209E-08	1.0000E+06	1.1318E-071006	5	22	748
2.5000E+06	2.0240E-07	3.0000E+06	2.1838E-07	3.2500E+06	2.1971E-071006	5	22	749
3.5000E+06	2.1838E-07	4.0000E+06	2.1039E-07	4.5000E+06	1.9707E-071006	5	22	750
5.0000E+06	1.7044E-07	6.0000E+06	6.6578E-08	6.5000E+06	2.6631E-081006	5	22	751
7.0000E+06	1.0652E-08				1006	5	22	752
0.0	1.13 F+07	0	0	1	131006	5	22	753
13	2				1006	5	22	754
0.	8.6551E-08	5.0000E+05	9.3209E-08	1.0000E+06	1.1318E-071006	5	22	755
2.5000E+06	2.0240E-07	3.0000E+06	2.1838E-07	3.2500E+06	2.1971E-071006	5	22	756
3.5000E+06	2.1838E-07	4.0000E+06	2.1039E-07	4.5000E+06	1.9707E-071006	5	22	757
5.0000E+06	1.7044E-07	6.0000E+06	6.6578E-08	6.5000E+06	2.6631E-081006	5	22	758
7.0000E+06	1.0652E-08				1006	5	22	759
0.0	1.13 F+07	0	0	1	131006	5	22	760
13	2				1006	5	22	761
0.	2.8900E-08	5.0000E+05	4.7400E-08	1.5000E+06	1.1180E-071006	5	22	762

2.5000E+06	1.4470E-07	3.5000E+06	1.5920E-07	4.0000E+06	1.6320E-07	1006	5	22	763
4.5000E+06	1.6320E-07	5.0000E+06	1.6180E-07	6.0000E+06	1.5260E-07	1006	5	22	764
6.5000E+06	1.4470E-07	7.0000E+06	1.2500E-07	7.5000E+06	7.6300E-08	1006	5	22	765
8.0000E+06	3.6800E-08					1006	5	22	766
0.0	1.3	F+07	0	0	1	131006	5	22	767
	12	2				1006	5	22	768
0.	2.8900E-08	5.0000E+05	4.7400E-08	1.5000E+06	1.1180E-07	1006	5	22	769
2.5000E+06	1.4470E-07	3.5000E+06	1.5920E-07	4.0000E+06	1.6320E-07	1006	5	22	770
4.5000E+06	1.6320E-07	5.0000E+06	1.6180E-07	6.0000E+06	1.5260E-07	1006	5	22	771
6.5000E+06	1.4470E-07	7.0000E+06	1.2500E-07	7.5000E+06	7.6300E-08	1006	5	22	772
8.0000E+06	3.6800E-08					1006	5	22	773
0.0	1.3	F+07	0	0	1	101006	5	22	774
	10	2				1006	5	22	775
0.	5.0700E-08	1.0000E+06	7.4300E-08	2.0000E+06	1.0140E-07	1006	5	22	776
3.0000E+06	1.1490E-07	3.5000E+06	1.1490E-07	8.0000E+06	1.1150E-07	1006	5	22	777
8.5000E+06	1.0810E-07	9.0000E+06	1.0140E-07	9.5000E+06	7.0900E-08	1006	5	22	778
1.0000E+07	2.7000E-08					1006	5	22	779
0.0	1.5	F+07	0	0	1	101006	5	22	780
	10	2				1006	5	22	781
0.	5.0700E-08	1.0000E+06	7.4300E-08	2.0000E+06	1.0140E-07	1006	5	22	782
3.0000E+06	1.1490E-07	3.5000E+06	1.1490E-07	8.0000E+06	1.1150E-07	1006	5	22	783
8.5000E+06	1.0810E-07	9.0000E+06	1.0140E-07	9.5000E+06	7.0900E-08	1006	5	22	784
1.0000E+07	2.7000E-08					1006	5	22	785
3007.	6.9557		0	0	1	01006	5	24	787
0.0	9.5937E+06		0	3	1	21006	5	24	788
	2	2				1006	5	24	789
1.0	F+07	1.0	1.5	E+07	1.0	1006	5	24	790
						1006	5	0	791
						1006	0	0	792
						0	0	0	793