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INTERNATIONAL NUCLEAR DATA COMMITTEE

WIND

**Nuclear Data Library for Transactinides
at Energies up to 100 MeV**

Version 1

Description and Files

A.Yu. Konobeyev, Yu.A. Korovin, P.E. Pereslavitsev, V.I. Plyaskin,
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July 1995

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Abstract

The nuclear cross section data library WIND contains ENDF/B-6 formatted cross section data for neutron induced fission and threshold reactions (n,xn), (n,pxn) and (n, α xn) for $^{232-238}\text{U}$, $^{237,239}\text{Np}$ and $^{236-244}\text{Pu}$ at energies up to 100 MeV. It was created at the Institute of Nuclear Power Engineering, Obninsk to meet requirements on nuclear data for waste incineration process in the accelerator based units. The current version of WIND contains also the preliminary evaluated data for proton induced reactions on ^{238}U in the energy range up to 100 MeV.

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Note: The WIND data library is available on magnetic tape from the IAEA Nuclear Data Section, costfree, upon request. For a summary documentation see IAEA(NDS)-143.

WIND

NUCLEAR DATA LIBRARY FOR TRANSACTINIDES AT ENERGIES UP TO 100 MeV

1. Description

The cross-section library WIND has been elaborated to study the activation and transmutation of actinides irradiated by fast neutrons. The data of the library are necessary for investigation of the incineration process of long-lived wastes¹ in the accelerator based units and to study properties of uranium targets in the perspective neutron generators like an electronuclear installations.

The library WIND contains evaluated neutron induced fission reaction cross-sections, cross-sections for threshold reactions (n,xn), (n,pxn) and (n,αxn) for uranium, neptunium and plutonium isotopes at energy from 0 to 100 MeV. Now the WIND includes the cross-sections for 576 reactions taking place in the neutron irradiation of ²³²U, ²³³U, ²³⁴U, ²³⁵U, ²³⁶U, ²³⁷U, ²³⁸U, ²³⁷Np, ²³⁹Np, ²³⁶Pu, ²³⁷Pu, ²³⁸Pu, ²³⁹Pu, ²⁴⁰Pu, ²⁴¹Pu, ²⁴²Pu, ²⁴³Pu, ²⁴⁴Pu.

The detailed description of the method to obtain cross-sections contained in the library is given in Refs.[1,2].

To calculate the preequilibrium nucleon emission spectra the geometry dependent hybrid exciton model [3] has been used. The description of the fission-evaporation competition was based on using energy independent ratios of neutron and fission widths Γ_n/Γ_f . As shown in Ref.[1] the application of the considered approach to obtain the cross-sections is justified at the energies of primary particles up to 100 MeV.

The calculation of nonequilibrium nucleon spectra was carried out taking into account multiple precompound emission according to Ref.[3]. Nucleon-nucleon interaction cross-sections with the correction for the Pauli principle were used to calculate the rate of intranuclear transitions (λ_{-}). Normalization coefficient for the calculation of λ_{-} value was taken to be equal to unity.

The calculation of the precompound α -particle spectra was performed within the frame of the coalescence pick-up model [4] combined with the hybrid exciton model, as described in Ref.[2].

Neutron to fission width relations Γ_n/Γ_f and fission barriers B_f were taken from the known systematics and empirical compilations.

The probability of γ -emission was calculated using the average radiation widths with their energy dependence taken according to Ref.[7].

Total reaction cross-sections and inverse reaction cross-sections have been calculated using the optical model with slightly corrected parameters from Ref.[3].

To testify and validate the evaluation method the following information has been used:

a) the cross-sections for (n,f), (n,2n) and (n,3n) reactions at energies below 20 MeV from BROND-2, ENDF/B-VI and JENDL-3 libraries

b) the experimental data for proton induced reactions (p,f), (p,xnypzα) for thorium, uranium and neptunium isotopes at the energies up to 100 MeV

c) the experimental data for α -particle induced reactions for actinides in the intermediate energy region.

The comparison of calculated neutron induced reaction cross-sections with the data from BROND-2, ENDF/B - VI, JENDL-3, as well as the comparison of calculated proton and α -induced reaction cross-sections with experimental data show good agreement. The examples are given for uranium isotopes in Ref.[1], for ²³⁷Np in Ref.[6] and for plutonium isotopes in Ref.[7]. This fact has

¹ WIND means Waste Incineration Nuclear Data

allowed to use the considered evaluation method to obtain the reaction cross-sections for actinides at the energies up to 100 MeV and to include some number of cross-sections from BROND-2, JENDL-3 and ENDF/B-VI into WIND library at relatively small energies.

The cross-sections are presented in the WIND in ENDF/B-VI format. The file MF=3 with standard (MF=16,17,18,37,103,111) and new assigned MT-sections has been used to record the cross-sections for $(n,xnypz\alpha)$ reactions.

In the WIND the reactions are identified by the residual nuclei (reaction product). For example, to write down the sum of cross-sections for (n,α) and $(n,2n2p)$ reactions resulting in the same residual nucleus the new assigned MT=175 section is used unlike standard ENDF MT=22 number for (n,α) reaction and to record the cross-sections for (n,d) and (n,np) reactions MT=153 is used instead of standard MT=104 or MT=28 sections.

The description of the new assigned MT-sections is given at the beginning of the file for each nucleus (MT=1, MT=451).

The catalogue and files of the WIND are presented below. The fission cross-sections (n,f) are presented in the considered library version for the energy region of fast neutrons from 0,1 to 100 MeV (see "Comments" in MT=451 section). Cross-sections for other channels are given at the energies from reaction threshold up to 100 MeV.

2. WIND catalogue

Each line of the WIND catalogue includes the following information.

- **Z-Name-A** for the target nucleus.
- **Type of reaction.** When the different reactions result in the same residual nucleus the type of reaction is designated as (N,X).
- **Reaction product**, the residual nucleus of reaction.
- **The minimum reaction energy (Q)** in eV for all reactions resulting in the considered product nucleus.
- **The number of energy points** for which the cross-sections for given reaction are available in the library.
- **The brief comments** on the method to obtain the cross-sections or the indication of the origin of the data. Here "GDH" means calculation of the precompound spectra on the basis of the geometry dependent hybrid exciton model; "EXPR" and "SYST" mean experimental values and data obtained using the systematics.

References

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- [7] Yu.A.Korovin, A.Yu.Konobeyev, P.E.Pereslavitsev, V.I.Plyaskin, A.Yu.Stankovsky, Evaluation of nuclear data for transuranium elements in the intermediate energy region, Proc. Int. Symp. on Global Environment and Nuclear Energy Systems, Susono, Japan, 1994

Catalogue

Target	Reaction	Product	Q-value	Points	Comments
92- U-232	(N,F)	FISSION		61	GDH,EXPR Γ_n/Γ_f BELOW 6 MeV JENDL-3
92- U-232	(N,2N)	92- U-231	-7.255E+06	58	GDH,EXPR Γ_n/Γ_f
92- U-232	(N,3N)	92- U-230	-1.315E+07	52	GDH,SYST Γ_n/Γ_f
92- U-232	(N,4N)	92- U-229	-2.082E+07	44	GDH,SYST Γ_n/Γ_f
92- U-232	(N,5N)	92- U-228	-2.691E+07	38	GDH,SYST Γ_n/Γ_f
92- U-232	(N,6N)	92- U-227	-3.464E+07	30	GDH,SYST Γ_n/Γ_f
92- U-232	(N,7N)	92- U-226	-4.102E+07	24	GDH,SYST Γ_n/Γ_f
92- U-232	(N,8N)	92- U-225	-4.862E+07	20	GDH,SYST Γ_n/Γ_f
92- U-232	(N,9N)	92- U-224	-5.462E+07	17	GDH,SYST Γ_n/Γ_f
92- U-232	(N,10N)	92- U-223	-6.221E+07	13	GDH,SYST Γ_n/Γ_f
92- U-232	(N,P)	91-PA-232	-5.545E+05	58	GDH,EXPR Γ_n/Γ_f
92- U-232	(N,X)	91-PA-231	-3.891E+06	55	GDH,EXPR Γ_n/Γ_f
92- U-232	(N,X)	91-PA-230	-1.071E+07	48	GDH,EXPR Γ_n/Γ_f
92- U-232	(N,X)	91-PA-229	-1.650E+07	42	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	91-PA-228	-2.355E+07	35	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	91-PA-227	-2.959E+07	29	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	91-PA-226	-3.686E+07	24	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	91-PA-225	-4.322E+07	20	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	91-PA-224	-5.036E+07	17	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	91-PA-223	-5.614E+07	14	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	91-PA-222	-6.350E+07	10	GDH,SYST Γ_n/Γ_f
92- U-232	(N,2P)	90-TH-231	-5.722E+06	47	GDH,EXPR Γ_n/Γ_f
92- U-232	(N,X)	90-TH-230	-8.618E+06	44	GDH,EXPR Γ_n/Γ_f
92- U-232	(N,X)	90-TH-229	1.066E+07	61	GDH,EXPR Γ_n/Γ_f
92- U-232	(N,X)	90-TH-228	5.414E+06	56	GDH,EXPR Γ_n/Γ_f
92- U-232	(N,X)	90-TH-227	-1.706E+06	48	GDH,EXPR Γ_n/Γ_f
92- U-232	(N,X)	90-TH-226	-7.160E+06	43	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	90-TH-225	-1.435E+07	36	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	90-TH-224	-2.011E+07	30	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	90-TH-223	-2.744E+07	24	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	90-TH-222	-3.241E+07	21	GDH,SYST Γ_n/Γ_f
92- U-232	(N,X)	90-TH-221	-3.955E+07	17	GDH,SYST Γ_n/Γ_f
92- U-233	(N,F)	FISSION		135	GDH,EXPR Γ_n/Γ_f BELOW 20 MeV BROND
92- U-233	(N,2N)	92- U-232	-5.744E+06	70	GDH,EXPR Γ_n/Γ_f BELOW 20 MeV BROND
92- U-233	(N,3N)	92- U-231	-1.301E+07	54	GDH,EXPR Γ_n/Γ_f BELOW 20 MeV BROND
92- U-233	(N,4N)	92- U-230	-1.891E+07	46	GDH,SYST Γ_n/Γ_f
92- U-233	(N,5N)	92- U-229	-2.657E+07	38	GDH,SYST Γ_n/Γ_f
92- U-233	(N,6N)	92- U-228	-3.267E+07	32	GDH,SYST Γ_n/Γ_f
92- U-233	(N,7N)	92- U-227	-4.040E+07	25	GDH,SYST Γ_n/Γ_f

92- U-233	(N,8N)	92- U-226	-4.677E+07	21	GDH,SYST	I _n /I _f	
92- U-233	(N,9N)	92- U-225	-5.437E+07	17	GDH,SYST	I _n /I _f	
92- U-233	(N,10N)	92- U-224	-6.038E+07	14	GDH,SYST	I _n /I _f	
92- U-233	(N,P)	91-PA-233	2.101E+05	59	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	91-PA-232	-4.084E+06	53	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	91-PA-231	-9.645E+06	49	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	91-PA-230	-1.646E+07	42	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	91-PA-229	-2.225E+07	37	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	91-PA-228	-2.931E+07	30	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	91-PA-227	-3.534E+07	24	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	91-PA-226	-4.261E+07	20	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	91-PA-225	-4.897E+07	17	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	91-PA-224	-5.611E+07	12	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	91-PA-223	-6.189E+07	10	GDH,SYST	I _n /I _f	
92- U-233	(N,2P)	90-TH-232	-5.039E+06	46	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	90-TH-231	-9.251E+06	40	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	90-TH-230	1.170E+07	62	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	90-TH-229	4.909E+06	55	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	90-TH-228	-3.399E+05	50	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	90-TH-227	-7.460E+06	43	GDH,EXPR	I _n /I _f	
92- U-233	(N,X)	90-TH-226	-1.291E+07	37	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	90-TH-225	-2.010E+07	30	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	90-TH-224	-2.586E+07	25	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	90-TH-223	-3.320E+07	21	GDH,SYST	I _n /I _f	
92- U-233	(N,X)	90-TH-222	-3.816E+07	18	GDH,SYST	I _n /I _f	
92- U-234	(N,F)	FISSION		90	GDH,EXPR	I _n /I _f	BELOW 14 MeV JENDL-3
92- U-234	(N,2N)	92- U-233	-6.844E+06	59	GDH,EXPR	I _n /I _f	
92- U-234	(N,3N)	92- U-232	-1.260E+07	53	GDH,EXPR	I _n /I _f	
92- U-234	(N,4N)	92- U-231	-1.985E+07	45	GDH,EXPR	I _n /I _f	
92- U-234	(N,5N)	92- U-230	-2.575E+07	39	GDH,SYST	I _n /I _f	
92- U-234	(N,6N)	92- U-229	-3.342E+07	32	GDH,SYST	I _n /I _f	
92- U-234	(N,7N)	92- U-228	-3.951E+07	25	GDH,SYST	I _n /I _f	
92- U-234	(N,8N)	92- U-227	-4.724E+07	21	GDH,SYST	I _n /I _f	
92- U-234	(N,9N)	92- U-226	-5.362E+07	18	GDH,SYST	I _n /I _f	
92- U-234	(N,10N)	92- U-225	-6.122E+07	14	GDH,SYST	I _n /I _f	
92- U-234	(N,P)	91-PA-234	-1.424E+06	58	GDH,SYST	I _n /I _f	
92- U-234	(N,X)	91-PA-233	-4.409E+06	55	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	91-PA-232	-1.093E+07	48	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	91-PA-231	-1.649E+07	42	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	91-PA-230	-2.330E+07	35	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	91-PA-229	-2.910E+07	30	GDH,SYST	I _n /I _f	
92- U-234	(N,X)	91-PA-228	-3.615E+07	24	GDH,SYST	I _n /I _f	
92- U-234	(N,X)	91-PA-227	-4.218E+07	21	GDH,SYST	I _n /I _f	
92- U-234	(N,X)	91-PA-226	-4.945E+07	17	GDH,SYST	I _n /I _f	
92- U-234	(N,X)	91-PA-225	-5.582E+07	14	GDH,SYST	I _n /I _f	
92- U-234	(N,X)	91-PA-224	-6.295E+07	10	GDH,SYST	I _n /I _f	
92- U-234	(N,2P)	90-TH-233	-7.096E+06	45	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	90-TH-232	-9.658E+06	43	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	90-TH-231	9.977E+06	60	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	90-TH-230	4.856E+06	55	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	90-TH-229	-1.935E+06	48	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	90-TH-228	-7.184E+06	43	GDH,EXPR	I _n /I _f	
92- U-234	(N,X)	90-TH-227	-1.430E+07	36	GDH,EXPR	I _n /I _f	

92- U-234	(N,X)	90-TH-226	-1.976E+07	30	GDH,SYST	In/Tf
92- U-234	(N,X)	90-TH-225	-2.694E+07	24	GDH,SYST	In/Tf
92- U-234	(N,X)	90-TH-224	-3.271E+07	21	GDH,SYST	In/Tf
92- U-234	(N,X)	90-TH-223	-4.004E+07	17	GDH,SYST	In/Tf
92- U-235	(N,F)	FISSION		115	GDH,EXPR	In/Tf BELOW 20 MeV BROND
92- U-235	(N,2N)	92- U-234	-5.305E+06	70	GDH,EXPR	In/Tf BELOW 20 MeV BROND
92- U-235	(N,3N)	92- U-233	-1.215E+07	56	GDH,EXPR	In/Tf BELOW 20 MeV BROND
92- U-235	(N,4N)	92- U-232	-1.790E+07	47	GDH,EXPR	In/Tf
92- U-235	(N,5N)	92- U-231	-2.515E+07	40	GDH,EXPR	In/Tf
92- U-235	(N,6N)	92- U-230	-3.105E+07	34	GDH,SYST	In/Tf
92- U-235	(N,7N)	92- U-229	-3.872E+07	26	GDH,SYST	In/Tf
92- U-235	(N,8N)	92- U-228	-4.481E+07	22	GDH,SYST	In/Tf
92- U-235	(N,9N)	92- U-227	-5.254E+07	18	GDH,SYST	In/Tf
92- U-235	(N,10N)	92- U-226	-5.892E+07	15	GDH,SYST	In/Tf
92- U-235	(N,P)	91-PA-235	-6.211E+05	58	GDH,SYST	In/Tf
92- U-235	(N,X)	91-PA-234	-4.497E+06	52	GDH,SYST	In/Tf
92- U-235	(N,X)	91-PA-233	-9.707E+06	49	GDH,EXPR	In/Tf
92- U-235	(N,X)	91-PA-232	-1.623E+07	43	GDH,EXPR	In/Tf
92- U-235	(N,X)	91-PA-231	-2.179E+07	37	GDH,EXPR	In/Tf
92- U-235	(N,X)	91-PA-230	-2.860E+07	30	GDH,EXPR	In/Tf
92- U-235	(N,X)	91-PA-229	-3.439E+07	25	GDH,SYST	In/Tf
92- U-235	(N,X)	91-PA-228	-4.145E+07	21	GDH,SYST	In/Tf
92- U-235	(N,X)	91-PA-227	-4.748E+07	17	GDH,SYST	In/Tf
92- U-235	(N,X)	91-PA-226	-5.475E+07	13	GDH,SYST	In/Tf
92- U-235	(N,X)	91-PA-225	-6.111E+07	11	GDH,SYST	In/Tf
92- U-235	(N,2P)	90-TH-234	-6.202E+06	45	GDH,EXPR	In/Tf
92- U-235	(N,X)	90-TH-233	-1.017E+07	35	GDH,EXPR	In/Tf
92- U-235	(N,X)	90-TH-232	1.112E+07	61	GDH,EXPR	In/Tf
92- U-235	(N,X)	90-TH-231	4.679E+06	55	GDH,EXPR	In/Tf
92- U-235	(N,X)	90-TH-230	-4.415E+05	50	GDH,EXPR	In/Tf
92- U-235	(N,X)	90-TH-229	-7.233E+06	43	GDH,EXPR	In/Tf
92- U-235	(N,X)	90-TH-228	-1.248E+07	37	GDH,EXPR	In/Tf
92- U-235	(N,X)	90-TH-227	-1.960E+07	30	GDH,EXPR	In/Tf
92- U-235	(N,X)	90-TH-226	-2.506E+07	25	GDH,SYST	In/Tf
92- U-235	(N,X)	90-TH-225	-3.224E+07	21	GDH,SYST	In/Tf
92- U-235	(N,X)	90-TH-224	-3.800E+07	18	GDH,SYST	In/Tf
92- U-236	(N,F)	FISSION		122	GDH,EXPR	In/Tf BELOW 20 MeV BROND
92- U-236	(N,2N)	92- U-235	-6.546E+06	73	GDH,EXPR	In/Tf BELOW 20 MeV BROND
92- U-236	(N,3N)	92- U-234	-1.185E+07	62	GDH,EXPR	In/Tf BELOW 20 MeV BROND
92- U-236	(N,4N)	92- U-233	-1.869E+07	47	GDH,EXPR	In/Tf
92- U-236	(N,5N)	92- U-232	-2.444E+07	40	GDH,EXPR	In/Tf
92- U-236	(N,6N)	92- U-231	-3.170E+07	33	GDH,EXPR	In/Tf
92- U-236	(N,7N)	92- U-230	-3.760E+07	27	GDH,SYST	In/Tf
92- U-236	(N,8N)	92- U-229	-4.526E+07	22	GDH,SYST	In/Tf
92- U-236	(N,9N)	92- U-228	-5.135E+07	19	GDH,SYST	In/Tf
92- U-236	(N,10N)	92- U-227	-5.908E+07	15	GDH,SYST	In/Tf
92- U-236	(N,P)	91-PA-236	-2.316E+06	57	GDH,SYST	In/Tf
92- U-236	(N,X)	91-PA-235	-4.943E+06	52	GDH,SYST	In/Tf
92- U-236	(N,X)	91-PA-234	-1.104E+07	46	GDH,SYST	In/Tf
92- U-236	(N,X)	91-PA-233	-1.625E+07	42	GDH,EXPR	In/Tf
92- U-236	(N,X)	91-PA-232	-2.277E+07	36	GDH,EXPR	In/Tf
92- U-236	(N,X)	91-PA-231	-2.833E+07	30	GDH,EXPR	In/Tf
92- U-236	(N,X)	91-PA-230	-3.515E+07	25	GDH,EXPR	In/Tf

92- U-236	(N,X)	91-PA-229	-4.094E+07	21	GDH,SYST	Γ_n/Γ_f	
92- U-236	(N,X)	91-PA-228	-4.799E+07	17	GDH,SYST	Γ_n/Γ_f	
92- U-236	(N,X)	91-PA-227	-5.403E+07	13	GDH,SYST	Γ_n/Γ_f	
92- U-236	(N,X)	91-PA-226	-6.130E+07	11	GDH,SYST	Γ_n/Γ_f	
92- U-236	(N,2P)	90-TH-235	-8.215E+06	44	GDH,SYST	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-234	-1.052E+07	36	GDH,EXPR	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-233	9.357E+06	60	GDH,EXPR	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-232	4.570E+06	55	GDH,EXPR	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-231	-1.867E+06	48	GDH,EXPR	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-230	-6.988E+06	43	GDH,EXPR	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-229	-1.378E+07	36	GDH,EXPR	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-228	-1.903E+07	31	GDH,EXPR	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-227	-2.615E+07	24	GDH,EXPR	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-226	-3.160E+07	21	GDH,SYST	Γ_n/Γ_f	
92- U-236	(N,X)	90-TH-225	-3.879E+07	18	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,F)	FISSION		70	GDH,EXPR	Γ_n/Γ_f	BELOW 7 MeV ENDF/B-VI
92- U-237	(N,2N)	92- U-236	-5.120E+06	60	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,3N)	92- U-235	-1.167E+07	54	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,4N)	92- U-234	-1.697E+07	48	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,5N)	92- U-233	-2.381E+07	41	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,6N)	92- U-232	-2.957E+07	35	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,7N)	92- U-231	-3.682E+07	28	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,8N)	92- U-230	-4.272E+07	23	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,9N)	92- U-229	-5.039E+07	19	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,10N)	92- U-228	-5.648E+07	16	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,P)	91-PA-237	-1.469E+06	57	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-236	-5.216E+06	54	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-235	-1.007E+07	49	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-234	-1.617E+07	43	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-233	-2.138E+07	37	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-232	-2.790E+07	31	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-231	-3.346E+07	25	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-230	-4.027E+07	22	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-229	-4.607E+07	19	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-228	-5.312E+07	15	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,X)	91-PA-227	-5.915E+07	12	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,2P)	90-TH-236	-7.606E+06	45	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-235	-1.162E+07	41	GDH,SYST	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-234	1.042E+07	61	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-233	4.232E+06	54	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-232	-5.551E+05	50	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-231	-6.992E+06	43	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-230	-1.211E+07	38	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-229	-1.890E+07	31	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-228	-2.415E+07	25	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-227	-3.127E+07	22	GDH,EXPR	Γ_n/Γ_f	
92- U-237	(N,X)	90-TH-226	-3.673E+07	19	GDH,SYST	Γ_n/Γ_f	
92- U-238	(N,F)	FISSION		269	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV BROND
92- U-238	(N,2N)	92- U-237	-6.118E+06	74	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV BROND
92- U-238	(N,3N)	92- U-236	-1.123E+07	63	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV BROND
92- U-238	(N,4N)	92- U-235	-1.782E+07	47	GDH,EXPR	Γ_n/Γ_f	
92- U-238	(N,5N)	92- U-234	-2.312E+07	42	GDH,EXPR	Γ_n/Γ_f	
92- U-238	(N,6N)	92- U-233	-2.997E+07	35	GDH,EXPR	Γ_n/Γ_f	

92-U-238	(N,7N)	92-U-232	-3.572E+07	29	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,8N)	92-U-231	-4.298E+07	23	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,9N)	92-U-230	-4.887E+07	20	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,10N)	92-U-229	-5.654E+07	16	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,P)	91-PA-238	-3.181E+06	55	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-237	-5.398E+06	50	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-236	-1.137E+07	46	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-235	-1.622E+07	43	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-234	-2.232E+07	36	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-233	-2.753E+07	31	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-232	-3.405E+07	25	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-231	-3.961E+07	22	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-230	-4.643E+07	19	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-229	-5.222E+07	15	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,X)	91-PA-228	-5.927E+07	12	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,2P)	90-TH-237	-9.523E+06	43	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-236	-1.197E+07	35	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-235	8.804E+06	58	GDH,SYST	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-234	4.270E+06	53	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-233	-1.922E+06	47	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-232	-6.709E+06	43	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-231	-1.315E+07	37	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-230	-1.827E+07	31	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-229	-2.506E+07	25	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-228	-3.031E+07	22	GDH,EXPR	Γ_n/Γ_f	
92-U-238	(N,X)	90-TH-227	-3.743E+07	19	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,F)	FISSION		247	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV ENDF/B-VI
93-Np-237	(N,2N)	93-NP-236	-6.573E+06	105	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV ENDF/B-VI
93-Np-237	(N,3N)	93-NP-235	-1.231E+07	76	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV ENDF/B-VI
93-Np-237	(N,4N)	93-NP-234	-1.930E+07	46	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,5N)	93-NP-233	-2.543E+07	40	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,6N)	93-NP-232	-3.278E+07	32	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,7N)	93-NP-231	-3.919E+07	25	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,8N)	93-NP-230	-4.687E+07	21	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,9N)	93-NP-229	-5.346E+07	18	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,10N)	93-NP-228	-6.155E+07	14	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,P)	92-U-237	2.631E+05	59	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-236	-2.637E+06	54	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-235	-9.183E+06	47	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-234	-1.448E+07	42	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-233	-2.133E+07	35	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-232	-2.708E+07	29	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-231	-3.433E+07	23	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-230	-4.023E+07	20	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-229	-4.790E+07	16	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-228	-5.399E+07	12	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,X)	92-U-227	-6.234E+07	9	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,2P)	91-PA-236	-7.178E+06	45	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,X)	91-PA-235	-9.805E+06	38	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,X)	91-PA-234	1.017E+07	60	GDH,SYST	Γ_n/Γ_f	
93-Np-237	(N,X)	91-PA-233	4.957E+06	55	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,X)	91-PA-232	-1.561E+06	49	GDH,EXPR	Γ_n/Γ_f	
93-Np-237	(N,X)	91-PA-231	-7.122E+06	43	GDH,EXPR	Γ_n/Γ_f	

93-Np-237	(N,X)	91-PA-230	-1.394E+07	36	GDH,EXPR	Γ_n/Γ_f
93-Np-237	(N,X)	91-PA-229	-1.973E+07	30	GDH,SYST	Γ_n/Γ_f
93-Np-237	(N,X)	91-PA-228	-2.678E+07	24	GDH,SYST	Γ_n/Γ_f
93-Np-237	(N,X)	91-PA-227	-3.282E+07	20	GDH,SYST	Γ_n/Γ_f
93-Np-237	(N,X)	91-PA-226	-4.009E+07	17	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,F)	FISSION		76	GDH,SYST	Γ_n/Γ_f BELOW 20 MeV ENDF/B-VI
93-Np-239	(N,2N)	93-NP-238	-6.227E+06	58	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,3N)	93-NP-237	-1.171E+07	53	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,4N)	93-NP-236	-1.834E+07	46	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,5N)	93-NP-235	-2.402E+07	41	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,6N)	93-NP-234	-3.100E+07	34	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,7N)	93-NP-233	-3.713E+07	28	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,8N)	93-NP-232	-4.449E+07	22	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,9N)	93-NP-231	-5.089E+07	19	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,10N)	93-NP-230	-5.857E+07	15	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,P)	92-U-239	-4.833E+05	57	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-238	-3.065E+06	53	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-237	-9.219E+06	46	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-236	-1.434E+07	42	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-235	-2.089E+07	36	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-234	-2.619E+07	30	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-233	-3.303E+07	24	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-232	-3.879E+07	21	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-231	-4.604E+07	17	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-230	-5.194E+07	13	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,X)	92-U-229	-5.960E+07	10	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,2P)	91-PA-238	-8.470E+06	44	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-237	-1.069E+07	36	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-236	9.413E+06	59	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-235	4.562E+06	54	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-234	-1.539E+06	48	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-233	-6.749E+06	43	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-232	-1.327E+07	36	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-231	-1.883E+07	31	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-230	-2.564E+07	25	GDH,EXPR	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-229	-3.144E+07	22	GDH,SYST	Γ_n/Γ_f
93-Np-239	(N,X)	91-PA-228	-3.849E+07	18	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,F)	FISSION		76	GDH,EXPR	Γ_n/Γ_f BELOW 2 MeV ENDF/B-VI
94-Pu-236	(N,2N)	94-PU-235	-7.329E+06	58	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,3N)	94-PU-234	-1.361E+07	52	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,4N)	94-PU-233	-2.137E+07	44	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,5N)	94-PU-232	-2.776E+07	37	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,6N)	94-PU-231	-3.579E+07	29	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,7N)	94-PU-230	-4.251E+07	24	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,8N)	94-PU-229	-5.082E+07	19	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,9N)	94-PU-228	-5.781E+07	16	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,10N)	94-PU-227	-6.633E+07	11	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,P)	93-NP-236	2.455E+05	59	GDH,EXPR	Γ_n/Γ_f
94-Pu-236	(N,X)	93-NP-235	-3.215E+06	53	GDH,EXPR	Γ_n/Γ_f
94-Pu-236	(N,X)	93-NP-234	-1.020E+07	45	GDH,EXPR	Γ_n/Γ_f
94-Pu-236	(N,X)	93-NP-233	-1.633E+07	42	GDH,EXPR	Γ_n/Γ_f
94-Pu-236	(N,X)	93-NP-232	-2.368E+07	35	GDH,SYST	Γ_n/Γ_f
94-Pu-236	(N,X)	93-NP-231	-3.009E+07	28	GDH,SYST	Γ_n/Γ_f

94-Pu-236	(N,X)	93-NP-230	-3.806E+07	22	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,X)	93-NP-229	-4.456E+07	18	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,X)	93-NP-228	-5.265E+07	12	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,X)	93-NP-227	-5.938E+07	7	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,X)	93-NP-226	-6.756E+07	8	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,2P)	92-U-235	-4.534E+06	48	GDH,EXPR	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-234	-7.607E+06	38	GDH,EXPR	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-233	1.162E+07	62	GDH,EXPR	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-232	5.867E+06	56	GDH,EXPR	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-231	-1.388E+06	48	GDH,EXPR	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-230	-7.286E+06	42	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-229	-1.495E+07	34	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-228	-2.142E+07	27	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-227	-2.926E+07	22	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-226	-3.569E+07	17	GDH,SYST	Γ_n/Γ_f	
94-Pu-236	(N,X)	92-U-225	-4.329E+07	16	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,F)	FISSION		71	GDH,EXPR	Γ_n/Γ_f	BELOW 4 MeV ENDF/B-VI
94-Pu-237	(N,2N)	94-PU-236	-5.834E+06	60	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,3N)	94-PU-235	-1.322E+07	52	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,4N)	94-PU-234	-1.947E+07	45	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,5N)	94-PU-233	-2.724E+07	38	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,6N)	94-PU-232	-3.363E+07	31	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,7N)	94-PU-231	-4.166E+07	24	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,8N)	94-PU-230	-4.838E+07	20	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,9N)	94-PU-229	-5.669E+07	16	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,10N)	94-PU-228	-6.368E+07	13	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,P)	93-NP-237	1.000E+06	60	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-236	-3.404E+06	53	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-235	-9.089E+06	45	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-234	-1.607E+07	42	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-233	-2.220E+07	37	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-232	-2.955E+07	29	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-231	-3.596E+07	24	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-230	-4.394E+07	20	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-229	-5.044E+07	14	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-228	-5.852E+07	8	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,X)	93-NP-227	-6.526E+07	9	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,2P)	92-U-236	-3.862E+06	45	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-235	-8.183E+06	36	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-234	1.259E+07	63	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-233	5.747E+06	56	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-232	-6.628E+03	50	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-231	-7.261E+06	42	GDH,EXPR	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-230	-1.316E+07	36	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-229	-2.083E+07	28	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-228	-2.730E+07	23	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-227	-3.514E+07	18	GDH,SYST	Γ_n/Γ_f	
94-Pu-237	(N,X)	92-U-226	-4.157E+07	17	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,F)	FISSION		129	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV BROND
94-Pu-238	(N,2N)	94-PU-237	-6.971E+06	58	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,3N)	94-PU-236	-1.286E+07	52	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,4N)	94-PU-235	-2.021E+07	45	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,5N)	94-PU-234	-2.647E+07	39	GDH,SYST	Γ_n/Γ_f	

94-Pu-238	(N,6N)	94-PU-233	-3.424E+07	31	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,7N)	94-PU-232	-4.063E+07	24	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,8N)	94-PU-231	-4.866E+07	20	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,9N)	94-PU-230	-5.538E+07	17	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,10N)	94-PU-229	-6.369E+07	13	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,P)	93-NP-238	-5.093E+05	58	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-237	-3.773E+06	53	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-236	-1.040E+07	47	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-235	-1.609E+07	42	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-234	-2.307E+07	36	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-233	-2.920E+07	29	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-232	-3.655E+07	24	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-231	-4.296E+07	20	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-230	-5.094E+07	16	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-229	-5.744E+07	11	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,X)	93-NP-228	-6.552E+07	9	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,2P)	92-U-237	-5.735E+06	45	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-236	-8.635E+06	37	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-235	1.089E+07	61	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-234	5.593E+06	55	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-233	-1.251E+06	49	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-232	-7.005E+06	42	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-231	-1.426E+07	35	GDH,EXPR	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-230	-2.016E+07	29	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-229	-2.782E+07	23	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-228	-3.429E+07	19	GDH,SYST	Γ_n/Γ_f	
94-Pu-238	(N,X)	92-U-227	-4.213E+07	16	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,F)	FISSION		313	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV ENDF/B-VI
94-Pu-239	(N,2N)	94-PU-238	-5.647E+06	85	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV ENDF/B-VI
94-Pu-239	(N,3N)	94-PU-237	-1.265E+07	61	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV ENDF/B-VI
94-Pu-239	(N,4N)	94-PU-236	-1.852E+07	45	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,5N)	94-PU-235	-2.586E+07	39	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,6N)	94-PU-234	-3.212E+07	33	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,7N)	94-PU-233	-3.989E+07	25	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,8N)	94-PU-232	-4.628E+07	22	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,9N)	94-PU-231	-5.430E+07	18	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,10N)	94-PU-230	-6.103E+07	14	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,P)	93-NP-239	6.117E+04	59	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-238	-3.932E+06	53	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-237	-9.421E+06	48	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-236	-1.605E+07	43	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-235	-2.173E+07	37	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-234	-2.872E+07	30	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-233	-3.485E+07	24	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-232	-4.220E+07	21	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-231	-4.861E+07	16	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-230	-5.658E+07	11	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,X)	93-NP-229	-6.308E+07	10	GDH,SYST	Γ_n/Γ_f	
94-Pu-239	(N,2P)	92-U-238	-5.229E+06	45	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	92-U-237	-9.157E+06	36	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	92-U-236	1.179E+07	62	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	92-U-235	5.244E+06	55	GDH,EXPR	Γ_n/Γ_f	
94-Pu-239	(N,X)	92-U-234	-5.413E+04	50	GDH,EXPR	Γ_n/Γ_f	

94-Pu-239	(N,X)	92-U-233	-6.898E+06	43	GDH,EXPR	Gn/Gf	
94-Pu-239	(N,X)	92-U-232	-1.265E+07	37	GDH,EXPR	Gn/Gf	
94-Pu-239	(N,X)	92-U-231	-1.991E+07	29	GDH,EXPR	Gn/Gf	
94-Pu-239	(N,X)	92-U-230	-2.581E+07	24	GDH,SYST	Gn/Gf	
94-Pu-239	(N,X)	92-U-229	-3.347E+07	20	GDH,SYST	Gn/Gf	
94-Pu-239	(N,X)	92-U-228	-3.994E+07	17	GDH,SYST	Gn/Gf	
94-Pu-240	(N,F)	FISSION		139	GDH,EXPR	Gn/Gf	BELOW 20 MeV ENDF/B-VI
94-Pu-240	(N,2N)	94-PU-239	-6.534E+06	70	GDH,EXPR	Gn/Gf	BELOW 17 MeV ENDF/B-VI
94-Pu-240	(N,3N)	94-PU-238	-1.219E+07	61	GDH,EXPR	Gn/Gf	BELOW 20 MeV ENDF/B-VI
94-Pu-240	(N,4N)	94-PU-237	-1.918E+07	45	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,5N)	94-PU-236	-2.505E+07	40	GDH,SYST	Gn/Gf	
94-Pu-240	(N,6N)	94-PU-235	-3.240E+07	33	GDH,SYST	Gn/Gf	
94-Pu-240	(N,7N)	94-PU-234	-3.865E+07	26	GDH,SYST	Gn/Gf	
94-Pu-240	(N,8N)	94-PU-233	-4.642E+07	22	GDH,SYST	Gn/Gf	
94-Pu-240	(N,9N)	94-PU-232	-5.281E+07	18	GDH,SYST	Gn/Gf	
94-Pu-240	(N,10N)	94-PU-231	-6.084E+07	14	GDH,SYST	Gn/Gf	
94-Pu-240	(N,P)	93-NP-240	-1.305E+06	58	GDH,SYST	Gn/Gf	
94-Pu-240	(N,X)	93-NP-239	-4.248E+06	52	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	93-NP-238	-1.047E+07	45	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	93-NP-237	-1.595E+07	41	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	93-NP-236	-2.258E+07	36	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	93-NP-235	-2.827E+07	30	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	93-NP-234	-3.525E+07	24	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	93-NP-233	-4.138E+07	21	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	93-NP-232	-4.873E+07	17	GDH,SYST	Gn/Gf	
94-Pu-240	(N,X)	93-NP-231	-5.514E+07	13	GDH,SYST	Gn/Gf	
94-Pu-240	(N,X)	93-NP-230	-6.312E+07	10	GDH,SYST	Gn/Gf	
94-Pu-240	(N,2P)	92-U-239	-6.956E+06	45	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	92-U-238	-9.538E+06	38	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	92-U-237	1.038E+07	60	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	92-U-236	5.256E+06	55	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	92-U-235	-1.290E+06	49	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	92-U-234	-6.588E+06	43	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	92-U-233	-1.343E+07	36	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	92-U-232	-1.919E+07	30	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	92-U-231	-2.644E+07	24	GDH,EXPR	Gn/Gf	
94-Pu-240	(N,X)	92-U-230	-3.234E+07	20	GDH,SYST	Gn/Gf	
94-Pu-240	(N,X)	92-U-229	-4.001E+07	17	GDH,SYST	Gn/Gf	
94-Pu-241	(N,F)	FISSION		100	GDH,EXPR	Gn/Gf	BELOW 2 MeV BROND
94-Pu-241	(N,2N)	94-PU-240	-5.248E+06	60	GDH,EXPR	Gn/Gf	
94-Pu-241	(N,3N)	94-PU-239	-1.170E+07	54	GDH,EXPR	Gn/Gf	
94-Pu-241	(N,4N)	94-PU-238	-1.742E+07	48	GDH,EXPR	Gn/Gf	
94-Pu-241	(N,5N)	94-PU-237	-2.442E+07	41	GDH,EXPR	Gn/Gf	
94-Pu-241	(N,6N)	94-PU-236	-3.029E+07	35	GDH,SYST	Gn/Gf	
94-Pu-241	(N,7N)	94-PU-235	-3.764E+07	27	GDH,SYST	Gn/Gf	
94-Pu-241	(N,8N)	94-PU-234	-4.389E+07	23	GDH,SYST	Gn/Gf	
94-Pu-241	(N,9N)	94-PU-233	-5.166E+07	19	GDH,SYST	Gn/Gf	
94-Pu-241	(N,10N)	94-PU-232	-5.805E+07	16	GDH,SYST	Gn/Gf	
94-Pu-241	(N,P)	93-NP-241	-5.745E+05	58	GDH,SYST	Gn/Gf	
94-Pu-241	(N,X)	93-NP-240	-4.322E+06	52	GDH,SYST	Gn/Gf	
94-Pu-241	(N,X)	93-NP-239	-9.490E+06	48	GDH,EXPR	Gn/Gf	
94-Pu-241	(N,X)	93-NP-238	-1.571E+07	43	GDH,EXPR	Gn/Gf	
94-Pu-241	(N,X)	93-NP-237	-2.120E+07	38	GDH,EXPR	Gn/Gf	

94-Pu-241	(N,X)	93-NP-236	-2.782E+07	31	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	93-NP-235	-3.351E+07	25	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	93-NP-234	-4.049E+07	21	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	93-NP-233	-4.662E+07	18	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	93-NP-232	-5.398E+07	14	GDH,SYST	Γ_n/Γ_f	
94-Pu-241	(N,X)	93-NP-231	-6.038E+07	11	GDH,SYST	Γ_n/Γ_f	
94-Pu-241	(N,2P)	92- U-240	-6.266E+06	45	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-239	-9.973E+06	35	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-238	1.129E+07	61	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-237	5.139E+06	55	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-236	1.437E+04	50	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-235	-6.532E+06	43	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-234	-1.183E+07	38	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-233	-1.867E+07	30	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-232	-2.443E+07	25	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-231	-3.168E+07	21	GDH,EXPR	Γ_n/Γ_f	
94-Pu-241	(N,X)	92- U-230	-3.758E+07	19	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,F)	FISSION		161	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV ENDF/B-VI
94-Pu-242	(N,2N)	94-PU-241	-6.301E+06	96	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV ENDF/B-VI
94-Pu-242	(N,3N)	94-PU-240	-1.154E+07	69	GDH,EXPR	Γ_n/Γ_f	BELOW 20 MeV ENDF/B-VI
94-Pu-242	(N,4N)	94-PU-239	-1.809E+07	47	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,5N)	94-PU-238	-2.373E+07	41	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,6N)	94-PU-237	-3.073E+07	34	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,7N)	94-PU-236	-3.660E+07	28	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,8N)	94-PU-235	-4.395E+07	23	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,9N)	94-PU-234	-5.020E+07	19	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,10N)	94-PU-233	-5.797E+07	16	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,P)	93-NP-242	-2.023E+06	57	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-241	-4.660E+06	52	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-240	-1.063E+07	46	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-239	-1.580E+07	42	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-238	-2.202E+07	37	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-237	-2.751E+07	31	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-236	-3.413E+07	25	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-235	-3.982E+07	22	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-234	-4.680E+07	18	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-233	-5.293E+07	14	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	93-NP-232	-6.029E+07	11	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,2P)	92- U-241	-7.853E+06	44	GDH,SYST	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-240	-1.045E+07	37	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-239	9.790E+06	60	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-238	4.983E+06	55	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-237	-1.170E+06	49	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-236	-6.295E+06	43	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-235	-1.284E+07	37	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-234	-1.814E+07	31	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-233	-2.498E+07	24	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-232	-3.074E+07	21	GDH,EXPR	Γ_n/Γ_f	
94-Pu-242	(N,X)	92- U-231	-3.799E+07	18	GDH,EXPR	Γ_n/Γ_f	
94-Pu-243	(N,F)	FISSION		75	GDH,EXPR	Γ_n/Γ_f	BELOW 2 MeV ENDF/B-VI
94-Pu-243	(N,2N)	94-PU-242	-5.039E+06	60	GDH,EXPR	Γ_n/Γ_f	
94-Pu-243	(N,3N)	94-PU-241	-1.133E+07	54	GDH,EXPR	Γ_n/Γ_f	
94-Pu-243	(N,4N)	94-PU-240	-1.659E+07	49	GDH,EXPR	Γ_n/Γ_f	

94-Pu-243	(N, 5N)	94-PU-239	-2.312E+07	42	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, 6N)	94-PU-238	-2.877E+07	36	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, 7N)	94-PU-237	-3.577E+07	29	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, 8N)	94-PU-236	-4.164E+07	24	GDH, SYST	Γ_n/Γ_f	
94-Pu-243	(N, 9N)	94-PU-235	-4.898E+07	20	GDH, SYST	Γ_n/Γ_f	
94-Pu-243	(N, 10N)	94-PU-234	-5.524E+07	17	GDH, SYST	Γ_n/Γ_f	
94-Pu-243	(N, P)	93-NP-243	-6.522E+05	58	GDH, SYST	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-242	-4.730E+06	52	GDH, SYST	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-241	-9.694E+06	47	GDH, SYST	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-240	-1.567E+07	43	GDH, SYST	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-239	-2.083E+07	38	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-238	-2.705E+07	32	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-237	-3.254E+07	26	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-236	-3.917E+07	22	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-235	-4.485E+07	19	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-234	-5.184E+07	15	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	93-NP-233	-5.797E+07	12	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, 2P)	92- U-242	-6.681E+06	45	GDH, SYST	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-241	-1.056E+07	34	GDH, SYST	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-240	1.103E+07	61	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-239	4.755E+06	55	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-238	-5.113E+04	50	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-237	-6.205E+06	44	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-236	-1.133E+07	38	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-235	-1.788E+07	31	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-234	-2.317E+07	26	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-233	-3.002E+07	22	GDH, EXPR	Γ_n/Γ_f	
94-Pu-243	(N, X)	92- U-232	-3.577E+07	19	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, F)	FISSION		87	GDH, EXPR	Γ_n/Γ_f	BELOW 1 MeV ENDF/B-VI
94-Pu-244	(N, 2N)	94-PU-243	-5.993E+06	59	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, 3N)	94-PU-242	-1.106E+07	54	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, 4N)	94-PU-241	-1.768E+07	48	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, 5N)	94-PU-240	-2.292E+07	42	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, 6N)	94-PU-239	-2.945E+07	36	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, 7N)	94-PU-238	-3.510E+07	30	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, 8N)	94-PU-237	-4.210E+07	24	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, 9N)	94-PU-236	-4.797E+07	20	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, 10N)	94-PU-235	-5.531E+07	17	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, P)	93-NP-244	-2.388E+06	56	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-243	-4.925E+06	52	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-242	-1.106E+07	48	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-241	-1.603E+07	43	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-240	-2.200E+07	37	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-239	-2.717E+07	32	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-238	-3.338E+07	25	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-237	-3.887E+07	22	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-236	-4.550E+07	18	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-235	-5.119E+07	15	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, X)	93-NP-234	-5.817E+07	12	GDH, EXPR	Γ_n/Γ_f	
94-Pu-244	(N, 2P)	92- U-243	-8.616E+06	43	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, X)	92- U-242	-1.095E+07	36	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, X)	92- U-241	9.347E+06	59	GDH, SYST	Γ_n/Γ_f	
94-Pu-244	(N, X)	92- U-240	4.694E+06	54	GDH, EXPR	Γ_n/Γ_f	

94-Pu-244	(N,X)	92- U-239	-1.577E+06	48	GDH,EXPR Γ_n/Γ_f
94-Pu-244	(N,X)	92- U-238	-6.384E+06	43	GDH,EXPR Γ_n/Γ_f
94-Pu-244	(N,X)	92- U-237	-1.254E+07	37	GDH,EXPR Γ_n/Γ_f
94-Pu-244	(N,X)	92- U-236	-1.766E+07	32	GDH,EXPR Γ_n/Γ_f
94-Pu-244	(N,X)	92- U-235	-2.421E+07	25	GDH,EXPR Γ_n/Γ_f
94-Pu-244	(N,X)	92- U-234	-2.951E+07	23	GDH,EXPR Γ_n/Γ_f
94-Pu-244	(N,X)	92- U-233	-3.635E+07	19	GDH,EXPR Γ_n/Γ_f

3.Data files

U-232	WIND				0	0	0	0
9.2232E+04	2.3200E+02	-1	0	99	19232	1451		1
0.0000E+00	0.0000E+00	0	0	0	69232	1451		2
1.0000E+00	0.0000E+00	0	0	10	29232	1451		3
0.0000E+00	0.0000E+00	0	0	67	339232	1451		4
92- U-232	INPE	EVAL-SEP94	YU.A.KOROVIN ET.AL.		9232	1451		5
		DIST-OCT94			9232	1451		6
----	WIND	MATERIAL	9232		9232	1451		7
-----	INCIDENT-NEUTRON	DATA			9232	1451		8
-----	ENDF-6	FORMAT			9232	1451		9
AUTHORS OF EVALUATION:	A.YU.KONOBAYEV, YU.A.KOROVIN,				9232	1451		10
	P.E.PERESLAVTSEV, V.I.PLYASKIN				9232	1451		11
					9232	1451		12
FILE OF ACTINIDE DATA LIBRARY	WIND				9232	1451		13
ENERGY OF PROJECTILE:	0-100 MEV				9232	1451		14
REFERENCE:	KERNTECHNIK, 1994, V.59, P.87				9232	1451		15
					9232	1451		16
CONTENT OF FILE:					9232	1451		17
					9232	1451		18
MF = 1	GENERAL INFORMATION				9232	1451		19
					9232	1451		20
MT = 451	COMMENTS AND DICTIONARY				9232	1451		21
					9232	1451		22
MF = 3	NEUTRON CROSS-SECTIONS				9232	1451		23
					9232	1451		24
(N,2N) REACTION CROSS-SECTIONS	ARE ORIGINAL				9232	1451		25
(N,3N) REACTION CROSS-SECTIONS	ARE ORIGINAL				9232	1451		26
(N,F) REACTION CROSS-SECTIONS	BELOW 1 MEV ARE FROM JENDL-3				9232	1451		27
THIS VERSION OF THE LIBRARY	INCLUDES FAST ENERGY REGION FOR				9232	1451		28
SECTION MT=18 FROM 0.1 UP TO 100	MEV. THE VERSION WITH THE DATA				9232	1451		29
AT LOW ENERGIES WITH RESONANCE	CONTRIBUTION RECONSTRUCTION				9232	1451		30
IS AVAILABLE FROM THE AUTHORS	AFTER REQUEST				9232	1451		31
					9232	1451		32
MT=16,17,18,37,103,111 ARE	STANDARD ENDF-6 SECTIONS,				9232	1451		33
OTHER MT NUMBERS ARE NEW	ASSIGNED				9232	1451		34
IN FOLLOWING DESCRIPTION "(N,X)"	MEANS SUM CROSS-SECTIONS OF				9232	1451		35
ALL REACTIONS RESULTED IN THE	SAME RESIDUAL NUCLEUS WITHOUT				9232	1451		36
RADIOACTIVE DECAY TAKEN INTO	ACCOUNT				9232	1451		37
					9232	1451		38
MT = 16 (N,2N)	CROSS-SECTION (U231 PRODUCTION)				9232	1451		39
MT = 17 (N,3N)	CROSS-SECTION (U230 PRODUCTION)				9232	1451		40
MT = 18 (N,F) FISSION	CROSS-SECTION				9232	1451		41
MT = 37 (N,4N)	CROSS-SECTION (U229 PRODUCTION)				9232	1451		42
MT =103 (N,P)	CROSS-SECTION (Pa232 PRODUCTION)				9232	1451		43
MT =111 (N,2P)	CROSS-SECTION (Th231 PRODUCTION)				9232	1451		44
MT =121 (N,5N)	CROSS-SECTION (U228 PRODUCTION)				9232	1451		45
MT =122 (N,6N)	CROSS-SECTION (U227 PRODUCTION)				9232	1451		46
MT =123 (N,7N)	CROSS-SECTION (U226 PRODUCTION)				9232	1451		47
MT =124 (N,8N)	CROSS-SECTION (U225 PRODUCTION)				9232	1451		48
MT =125 (N,9N)	CROSS-SECTION (U224 PRODUCTION)				9232	1451		49
MT =126 (N,10N)	CROSS-SECTION (U223 PRODUCTION)				9232	1451		50
MT =153 (N,NP) + (N,D)	CROSS-SECTION (Pa231 PRODUCTION)				9232	1451		51
MT =154 (N,2NP) + (N,ND)	CROSS-SECTION (Pa230 PRODUCTION)				9232	1451		52
MT =155 (N,3NP) + (N,2ND)	CROSS-SECTION (Pa229 PRODUCTION)				9232	1451		53
MT =156 (N,4NP) + (N,3ND)	CROSS-SECTION (Pa228 PRODUCTION)				9232	1451		54
MT =157 (N,5NP) + (N,4ND)	CROSS-SECTION (Pa227 PRODUCTION)				9232	1451		55
MT =158 (N,6NP) + (N,5ND)	CROSS-SECTION (Pa226 PRODUCTION)				9232	1451		56
MT =159 (N,7NP) + (N,6ND)	CROSS-SECTION (Pa225 PRODUCTION)				9232	1451		57
MT =160 (N,8NP) + (N,7ND)	CROSS-SECTION (Pa224 PRODUCTION)				9232	1451		58
MT =161 (N,9NP) + (N,8ND)	CROSS-SECTION (Pa223 PRODUCTION)				9232	1451		59
MT =162 (N,10NP) + (N,9ND)	CROSS-SECTION (Pa222 PRODUCTION)				9232	1451		60
MT =174 (N,N2P) + (N,PD)	CROSS-SECTION (Th230 PRODUCTION)				9232	1451		61

MT =175	(N, 2N2P) + (N, X)	CROSS-SECTION	(Th229 PRODUCTION)	9232	1451	62			
MT =176	(N, 3N2P) + (N, X)	CROSS-SECTION	(Th228 PRODUCTION)	9232	1451	63			
MT =177	(N, 4N2P) + (N, X)	CROSS-SECTION	(Th227 PRODUCTION)	9232	1451	64			
MT =178	(N, 5N2P) + (N, X)	CROSS-SECTION	(Th226 PRODUCTION)	9232	1451	65			
MT =179	(N, 6N2P) + (N, X)	CROSS-SECTION	(Th225 PRODUCTION)	9232	1451	66			
MT =180	(N, 7N2P) + (N, X)	CROSS-SECTION	(Th224 PRODUCTION)	9232	1451	67			
MT =181	(N, 8N2P) + (N, X)	CROSS-SECTION	(Th223 PRODUCTION)	9232	1451	68			
MT =182	(N, 9N2P) + (N, X)	CROSS-SECTION	(Th222 PRODUCTION)	9232	1451	69			
MT =183	(N, 10N2P) + (N, X)	CROSS-SECTION	(Th221 PRODUCTION)	9232	1451	70			
				9232	1451	71			
		1	451	104	19232	1451	72		
		3	16	23	19232	1451	73		
		3	17	21	19232	1451	74		
		3	18	24	19232	1451	75		
		3	37	18	19232	1451	76		
		3	103	23	19232	1451	77		
		3	111	19	19232	1451	78		
		3	121	16	19232	1451	79		
		3	122	13	19232	1451	80		
		3	123	11	19232	1451	81		
		3	124	10	19232	1451	82		
		3	125	9	19232	1451	83		
		3	126	8	19232	1451	84		
		3	153	22	19232	1451	85		
		3	154	19	19232	1451	86		
		3	155	17	19232	1451	87		
		3	156	15	19232	1451	88		
		3	157	13	19232	1451	89		
		3	158	11	19232	1451	90		
		3	159	10	19232	1451	91		
		3	160	9	19232	1451	92		
		3	161	8	19232	1451	93		
		3	162	7	19232	1451	94		
		3	174	18	19232	1451	95		
		3	175	24	19232	1451	96		
		3	176	22	19232	1451	97		
		3	177	19	19232	1451	98		
		3	178	18	19232	1451	99		
		3	179	15	19232	1451	100		
		3	180	13	19232	1451	101		
		3	181	11	19232	1451	102		
		3	182	10	19232	1451	103		
		3	183	9	19232	1451	104		
					9232	1	0	105	
					9232	0	0	106	
9.2232E+04	2.3200E+02	0	0	0	09232	3	16	107	
-7.2547E+06	-7.2547E+06	0	0	1	589232	3	16	108	
	58				9232	3	16	109	
7.2860E+06	0.0000E+00	8.0000E+06	5.9100E-02	9.0000E+06	2.1500E-01	9232	3	16	110
1.0000E+07	2.9300E-01	1.1000E+07	3.2700E-01	1.2000E+07	3.4600E-01	9232	3	16	111
1.3000E+07	3.6100E-01	1.4000E+07	3.6000E-01	1.5000E+07	3.0500E-01	9232	3	16	112
1.6000E+07	2.3000E-01	1.7000E+07	1.7100E-01	1.8000E+07	1.3400E-01	9232	3	16	113
1.9000E+07	1.1300E-01	2.0000E+07	9.7300E-02	2.1000E+07	8.6500E-02	9232	3	16	114
2.2000E+07	7.7100E-02	2.3000E+07	7.1600E-02	2.4000E+07	6.8100E-02	9232	3	16	115
2.5000E+07	6.4600E-02	2.6000E+07	6.1800E-02	2.7000E+07	5.8500E-02	9232	3	16	116
2.8000E+07	5.6200E-02	2.9000E+07	5.4300E-02	3.0000E+07	5.2500E-02	9232	3	16	117
3.1000E+07	5.1000E-02	3.2000E+07	4.8700E-02	3.3000E+07	4.7800E-02	9232	3	16	118
3.4000E+07	4.6900E-02	3.5000E+07	4.5800E-02	3.6000E+07	4.5000E-02	9232	3	16	119
3.7000E+07	4.3800E-02	3.8000E+07	4.3100E-02	3.9000E+07	4.2400E-02	9232	3	16	120
4.0000E+07	4.1267E-02	4.2000E+07	3.9000E-02	4.4000E+07	3.8100E-02	9232	3	16	121
4.6000E+07	3.7100E-02	4.8000E+07	3.6200E-02	5.0000E+07	3.5300E-02	9232	3	16	122
5.2000E+07	3.4500E-02	5.4000E+07	3.3900E-02	5.6000E+07	3.2200E-02	9232	3	16	123
5.8000E+07	3.1500E-02	6.0000E+07	3.1000E-02	6.2000E+07	3.0300E-02	9232	3	16	124
6.4000E+07	2.9500E-02	6.6000E+07	2.9000E-02	6.8000E+07	2.8500E-02	9232	3	16	125
7.0000E+07	2.8100E-02	7.2000E+07	2.7600E-02	7.4000E+07	2.7100E-02	9232	3	16	126
7.6000E+07	2.6600E-02	7.8000E+07	2.6200E-02	8.0000E+07	2.5600E-02	9232	3	16	127
8.5000E+07	2.4100E-02	9.0000E+07	2.3400E-02	9.5000E+07	2.2600E-02	9232	3	16	128

1.0000E+08	2.1700E-02						9232	3	16	129
							9232	3	0	130
9.2232E+04	2.3200E+02	0	0	0			09232	3	17	131
-1.3153E+07	-1.3153E+07	0	0	1			529232	3	17	132
	52	2					9232	3	17	133
1.3210E+07	0.0000E+00	1.4000E+07	9.7900E-04	1.5000E+07	1.2300E-02	9232	3	17	134	
1.6000E+07	2.8000E-02	1.7000E+07	3.9000E-02	1.8000E+07	4.6200E-02	9232	3	17	135	
1.9000E+07	5.1100E-02	2.0000E+07	5.4600E-02	2.1000E+07	5.3300E-02	9232	3	17	136	
2.2000E+07	4.7600E-02	2.3000E+07	4.0500E-02	2.4000E+07	3.4200E-02	9232	3	17	137	
2.5000E+07	2.9200E-02	2.6000E+07	2.5200E-02	2.7000E+07	2.2100E-02	9232	3	17	138	
2.8000E+07	1.9500E-02	2.9000E+07	1.7500E-02	3.0000E+07	1.5800E-02	9232	3	17	139	
3.1000E+07	1.4400E-02	3.2000E+07	1.3500E-02	3.3000E+07	1.2600E-02	9232	3	17	140	
3.4000E+07	1.1800E-02	3.5000E+07	1.1100E-02	3.6000E+07	1.0500E-02	9232	3	17	141	
3.7000E+07	9.9500E-03	3.8000E+07	9.5400E-03	3.9000E+07	9.1600E-03	9232	3	17	142	
4.0000E+07	8.7100E-03	4.2000E+07	7.8100E-03	4.4000E+07	7.3600E-03	9232	3	17	143	
4.6000E+07	7.0200E-03	4.8000E+07	6.7600E-03	5.0000E+07	6.5100E-03	9232	3	17	144	
5.2000E+07	6.3400E-03	5.4000E+07	5.8800E-03	5.6000E+07	6.1300E-03	9232	3	17	145	
5.8000E+07	5.9700E-03	6.0000E+07	5.1800E-03	6.2000E+07	5.7600E-03	9232	3	17	146	
6.4000E+07	5.6400E-03	6.6000E+07	5.5200E-03	6.8000E+07	5.3900E-03	9232	3	17	147	
7.0000E+07	5.3200E-03	7.2000E+07	5.2300E-03	7.4000E+07	5.1400E-03	9232	3	17	148	
7.6000E+07	5.0700E-03	7.8000E+07	5.0000E-03	8.0000E+07	4.9300E-03	9232	3	17	149	
8.5000E+07	4.4400E-03	9.0000E+07	4.2400E-03	9.5000E+07	4.1200E-03	9232	3	17	150	
1.0000E+08	3.9900E-03					9232	3	17	151	
						9232	3	0	152	
9.2232E+04	2.3200E+02	0	0	0			09232	3	18	153
1.8900E+08	1.8900E+08	0	0	2			619232	3	18	154
	2	5	61	2			9232	3	18	155
1.0000E+05	2.0000E+00	5.0000E+06	2.0000E+00	6.0000E+06	2.0942E+00	9232	3	18	156	
7.0000E+06	2.6004E+00	8.0000E+06	2.5947E+00	9.0000E+06	2.4463E+00	9232	3	18	157	
1.0000E+07	2.3880E+00	1.1000E+07	2.3655E+00	1.2000E+07	2.3375E+00	9232	3	18	158	
1.3000E+07	2.3019E+00	1.4000E+07	2.2719E+00	1.5000E+07	2.2720E+00	9232	3	18	159	
1.6000E+07	2.2912E+00	1.7000E+07	2.3100E+00	1.8000E+07	2.3310E+00	9232	3	18	160	
1.9000E+07	2.3381E+00	2.0000E+07	2.3402E+00	2.1000E+07	2.3278E+00	9232	3	18	161	
2.2000E+07	2.3155E+00	2.3000E+07	2.2952E+00	2.4000E+07	2.2790E+00	9232	3	18	162	
2.5000E+07	2.2683E+00	2.6000E+07	2.2616E+00	2.7000E+07	2.2585E+00	9232	3	18	163	
2.8000E+07	2.2477E+00	2.9000E+07	2.2325E+00	3.0000E+07	2.2150E+00	9232	3	18	164	
3.1000E+07	2.1977E+00	3.2000E+07	2.1838E+00	3.3000E+07	2.1702E+00	9232	3	18	165	
3.4000E+07	2.1579E+00	3.5000E+07	2.1448E+00	3.6000E+07	2.1296E+00	9232	3	18	166	
3.7000E+07	2.1154E+00	3.8000E+07	2.0997E+00	3.9000E+07	2.0847E+00	9232	3	18	167	
4.0000E+07	2.0711E+00	4.2000E+07	2.0561E+00	4.4000E+07	2.0337E+00	9232	3	18	168	
4.6000E+07	2.0048E+00	4.8000E+07	1.9808E+00	5.0000E+07	1.9605E+00	9232	3	18	169	
5.2000E+07	1.9423E+00	5.4000E+07	1.9236E+00	5.6000E+07	1.9062E+00	9232	3	18	170	
5.8000E+07	1.8860E+00	6.0000E+07	1.8759E+00	6.2000E+07	1.8595E+00	9232	3	18	171	
6.4000E+07	1.8443E+00	6.6000E+07	1.8297E+00	6.8000E+07	1.8150E+00	9232	3	18	172	
7.0000E+07	1.8013E+00	7.2000E+07	1.7879E+00	7.4000E+07	1.7743E+00	9232	3	18	173	
7.6000E+07	1.7612E+00	7.8000E+07	1.7489E+00	8.0000E+07	1.7370E+00	9232	3	18	174	
8.5000E+07	1.7081E+00	9.0000E+07	1.6821E+00	9.5000E+07	1.6558E+00	9232	3	18	175	
1.0000E+08	1.6307E+00					9232	3	18	176	
						9232	3	0	177	
9.2232E+04	2.3200E+02	0	0	0			09232	3	37	178
-2.0819E+07	-2.0819E+07	0	0	1			449232	3	37	179
	44	2					9232	3	37	180
2.0909E+07	0.0000E+00	2.2000E+07	4.7000E-06	2.3000E+07	8.6200E-05	9232	3	37	181	
2.4000E+07	3.3400E-04	2.5000E+07	8.0300E-04	2.6000E+07	1.3000E-03	9232	3	37	182	
2.7000E+07	1.7700E-03	2.8000E+07	2.1700E-03	2.9000E+07	2.4700E-03	9232	3	37	183	
3.0000E+07	2.6300E-03	3.1000E+07	2.6300E-03	3.2000E+07	2.4800E-03	9232	3	37	184	
3.3000E+07	2.2700E-03	3.4000E+07	2.0300E-03	3.5000E+07	1.8000E-03	9232	3	37	185	
3.6000E+07	1.6000E-03	3.7000E+07	1.4400E-03	3.8000E+07	1.2800E-03	9232	3	37	186	
3.9000E+07	1.1600E-03	4.0000E+07	1.0613E-03	4.2000E+07	8.6400E-04	9232	3	37	187	
4.4000E+07	7.4400E-04	4.6000E+07	6.3700E-04	4.8000E+07	5.6900E-04	9232	3	37	188	
5.0000E+07	5.1900E-04	5.2000E+07	4.7900E-04	5.4000E+07	4.4700E-04	9232	3	37	189	
5.6000E+07	4.2200E-04	5.8000E+07	3.9900E-04	6.0000E+07	3.8400E-04	9232	3	37	190	
6.2000E+07	3.6800E-04	6.4000E+07	3.5200E-04	6.6000E+07	3.4000E-04	9232	3	37	191	
6.8000E+07	3.3000E-04	7.0000E+07	3.2000E-04	7.2000E+07	3.1000E-04	9232	3	37	192	
7.4000E+07	3.0200E-04	7.6000E+07	2.9600E-04	7.8000E+07	2.8900E-04	9232	3	37	193	
8.0000E+07	2.8300E-04	8.5000E+07	2.7400E-04	9.0000E+07	2.6300E-04	9232	3	37	194	
9.5000E+07	2.5200E-04	1.0000E+08	2.4000E-04			9232	3	37	195	

						9232 3 0	196
9.2232E+04	2.3200E+02	0	0	0	0	09232 3103	197
-5.5453E+05	-5.5453E+05	0	0	1	1	589232 3103	198
58	2					9232 3103	199
5.5692E+05	0.0000E+00	8.0000E+06	4.6100E-05	9.0000E+06	1.9200E-04	9232 3103	200
1.0000E+07	5.6900E-04	1.1000E+07	1.2800E-03	1.2000E+07	2.6300E-03	9232 3103	201
1.3000E+07	4.5900E-03	1.4000E+07	6.3200E-03	1.5000E+07	9.6700E-03	9232 3103	202
1.6000E+07	1.3700E-02	1.7000E+07	1.8000E-02	1.8000E+07	2.0700E-02	9232 3103	203
1.9000E+07	2.4900E-02	2.0000E+07	2.8200E-02	2.1000E+07	3.0400E-02	9232 3103	204
2.2000E+07	3.1000E-02	2.3000E+07	3.2400E-02	2.4000E+07	3.3900E-02	9232 3103	205
2.5000E+07	3.5400E-02	2.6000E+07	3.6700E-02	2.7000E+07	3.7000E-02	9232 3103	206
2.8000E+07	3.7200E-02	2.9000E+07	3.7100E-02	3.0000E+07	3.7000E-02	9232 3103	207
3.1000E+07	3.6900E-02	3.2000E+07	3.6800E-02	3.3000E+07	3.7000E-02	9232 3103	208
3.4000E+07	3.7900E-02	3.5000E+07	3.7800E-02	3.6000E+07	3.7400E-02	9232 3103	209
3.7000E+07	3.6800E-02	3.8000E+07	3.6400E-02	3.9000E+07	3.6000E-02	9232 3103	210
4.0000E+07	3.5533E-02	4.2000E+07	3.4600E-02	4.4000E+07	3.3700E-02	9232 3103	211
4.6000E+07	3.5100E-02	4.8000E+07	3.4200E-02	5.0000E+07	3.3300E-02	9232 3103	212
5.2000E+07	3.2400E-02	5.4000E+07	3.1500E-02	5.6000E+07	3.0600E-02	9232 3103	213
5.8000E+07	2.9800E-02	6.0000E+07	2.9000E-02	6.2000E+07	2.8100E-02	9232 3103	214
6.4000E+07	2.7300E-02	6.6000E+07	2.6600E-02	6.8000E+07	2.5900E-02	9232 3103	215
7.0000E+07	2.5200E-02	7.2000E+07	2.4500E-02	7.4000E+07	2.3800E-02	9232 3103	216
7.6000E+07	2.3200E-02	7.8000E+07	2.2600E-02	8.0000E+07	2.2000E-02	9232 3103	217
8.5000E+07	2.0600E-02	9.0000E+07	1.9400E-02	9.5000E+07	1.8300E-02	9232 3103	218
1.0000E+08	1.7300E-02					9232 3103	219
						9232 3 0	220
9.2232E+04	2.3200E+02	0	0	0	0	09232 3111	221
-5.7219E+06	-5.7219E+06	0	0	1	1	479232 3111	222
47	2					9232 3111	223
5.7466E+06	0.0000E+00	1.9000E+07	8.8500E-08	2.0000E+07	9.5200E-07	9232 3111	224
2.1000E+07	4.7800E-06	2.2000E+07	1.4800E-05	2.3000E+07	3.8500E-05	9232 3111	225
2.4000E+07	8.2800E-05	2.5000E+07	1.5400E-04	2.6000E+07	2.5300E-04	9232 3111	226
2.7000E+07	3.5200E-04	2.8000E+07	4.9800E-04	2.9000E+07	6.6500E-04	9232 3111	227
3.0000E+07	8.5300E-04	3.1000E+07	1.0600E-03	3.2000E+07	1.2300E-03	9232 3111	228
3.3000E+07	1.4900E-03	3.4000E+07	1.7400E-03	3.5000E+07	2.0100E-03	9232 3111	229
3.6000E+07	2.2800E-03	3.7000E+07	2.4800E-03	3.8000E+07	2.7700E-03	9232 3111	230
3.9000E+07	3.0700E-03	4.0000E+07	3.3467E-03	4.2000E+07	3.9000E-03	9232 3111	231
4.4000E+07	4.1800E-03	4.6000E+07	4.3700E-03	4.8000E+07	4.5700E-03	9232 3111	232
5.0000E+07	4.7100E-03	5.2000E+07	4.8400E-03	5.4000E+07	4.9500E-03	9232 3111	233
5.6000E+07	5.0500E-03	5.8000E+07	5.1300E-03	6.0000E+07	5.1700E-03	9232 3111	234
6.2000E+07	5.2400E-03	6.4000E+07	5.2400E-03	6.6000E+07	5.2500E-03	9232 3111	235
6.8000E+07	5.2900E-03	7.0000E+07	5.3200E-03	7.2000E+07	5.3300E-03	9232 3111	236
7.4000E+07	5.3600E-03	7.6000E+07	5.3800E-03	7.8000E+07	5.3900E-03	9232 3111	237
8.0000E+07	5.4000E-03	8.5000E+07	5.4100E-03	9.0000E+07	5.3900E-03	9232 3111	238
9.5000E+07	5.3900E-03	1.0000E+08	5.3800E-03			9232 3111	239
						9232 3 0	240
9.2232E+04	2.3200E+02	0	0	0	0	09232 3121	241
-2.6911E+07	-2.6911E+07	0	0	1	1	389232 3121	242
38	2					9232 3121	243
2.7027E+07	0.0000E+00	2.8000E+07	6.6100E-10	2.9000E+07	1.0800E-07	9232 3121	244
3.0000E+07	1.3800E-06	3.1000E+07	5.6100E-06	3.2000E+07	1.3700E-05	9232 3121	245
3.3000E+07	2.3600E-05	3.4000E+07	3.5000E-05	3.5000E+07	4.6000E-05	9232 3121	246
3.6000E+07	5.4800E-05	3.7000E+07	6.0900E-05	3.8000E+07	6.4200E-05	9232 3121	247
3.9000E+07	6.4500E-05	4.0000E+07	6.0100E-05	4.2000E+07	5.1300E-05	9232 3121	248
4.4000E+07	4.2300E-05	4.6000E+07	3.4800E-05	4.8000E+07	2.8500E-05	9232 3121	249
5.0000E+07	2.4500E-05	5.2000E+07	2.1400E-05	5.4000E+07	1.9100E-05	9232 3121	250
5.6000E+07	1.7500E-05	5.8000E+07	1.5900E-05	6.0000E+07	1.4800E-05	9232 3121	251
6.2000E+07	1.3600E-05	6.4000E+07	1.2600E-05	6.6000E+07	1.1900E-05	9232 3121	252
6.8000E+07	1.1300E-05	7.0000E+07	1.0700E-05	7.2000E+07	1.0300E-05	9232 3121	253
7.4000E+07	9.9000E-06	7.6000E+07	9.4600E-06	7.8000E+07	9.1500E-06	9232 3121	254
8.0000E+07	8.9400E-06	8.5000E+07	8.3400E-06	9.0000E+07	7.8700E-06	9232 3121	255
9.5000E+07	7.5400E-06	1.0000E+08	7.2300E-06			9232 3121	256
						9232 3 0	257
9.2232E+04	2.3200E+02	0	0	0	0	09232 3122	258
-3.4641E+07	-3.4641E+07	0	0	1	1	309232 3122	259
30	2					9232 3122	260
3.4791E+07	0.0000E+00	3.6000E+07	8.0600E-13	3.7000E+07	1.0700E-10	9232 3122	261
3.8000E+07	1.7000E-09	3.9000E+07	1.0500E-08	4.0000E+07	6.5000E-08	9232 3122	262

4.2000E+07	1.7400E-07	4.4000E+07	3.8700E-07	4.6000E+07	5.9200E-07	9232	3122	263
4.8000E+07	7.3300E-07	5.0000E+07	7.6400E-07	5.2000E+07	7.2600E-07	9232	3122	264
5.4000E+07	6.5100E-07	5.6000E+07	5.6800E-07	5.8000E+07	4.9000E-07	9232	3122	265
6.0000E+07	4.3600E-07	6.2000E+07	3.8100E-07	6.4000E+07	3.3700E-07	9232	3122	266
6.6000E+07	3.0800E-07	6.8000E+07	2.7900E-07	7.0000E+07	2.5700E-07	9232	3122	267
7.2000E+07	2.3800E-07	7.4000E+07	2.2200E-07	7.6000E+07	2.0900E-07	9232	3122	268
7.8000E+07	1.9900E-07	8.0000E+07	1.8900E-07	8.5000E+07	1.6400E-07	9232	3122	269
9.0000E+07	1.4800E-07	9.5000E+07	1.3600E-07	1.0000E+08	1.2500E-07	9232	3122	270
						9232	3 0	271
9.2232E+04	2.3200E+02	0	0	0		09232	3123	272
-4.1019E+07	-4.1019E+07	0	0	1		249232	3123	273
	24	2				9232	3123	274
4.1196E+07	0.0000E+00	4.4000E+07	9.0400E-13	4.6000E+07	4.3200E-11	9232	3123	275
4.8000E+07	4.2800E-10	5.0000E+07	1.4500E-09	5.2000E+07	3.3000E-09	9232	3123	276
5.4000E+07	5.2200E-09	5.6000E+07	6.6500E-09	5.8000E+07	7.5500E-09	9232	3123	277
6.0000E+07	7.9200E-09	6.2000E+07	7.8700E-09	6.4000E+07	7.4000E-09	9232	3123	278
6.6000E+07	6.8100E-09	6.8000E+07	6.1400E-09	7.0000E+07	5.4800E-09	9232	3123	279
7.2000E+07	4.9400E-09	7.4000E+07	4.4500E-09	7.6000E+07	4.0200E-09	9232	3123	280
7.8000E+07	3.6700E-09	8.0000E+07	3.4300E-09	8.5000E+07	2.8900E-09	9232	3123	281
9.0000E+07	2.5800E-09	9.5000E+07	2.3700E-09	1.0000E+08	2.2000E-09	9232	3123	282
						9232	3 0	283
9.2232E+04	2.3200E+02	0	0	0		09232	3124	284
-4.8620E+07	-4.8620E+07	0	0	1		209232	3124	285
	20	2				9232	3124	286
4.8830E+07	0.0000E+00	5.2000E+07	4.7100E-16	5.4000E+07	4.5500E-14	9232	3124	287
5.6000E+07	4.9400E-13	5.8000E+07	2.5700E-12	6.0000E+07	6.2800E-12	9232	3124	288
6.2000E+07	1.3400E-11	6.4000E+07	2.2200E-11	6.6000E+07	2.9100E-11	9232	3124	289
6.8000E+07	3.4700E-11	7.0000E+07	3.7400E-11	7.2000E+07	3.7400E-11	9232	3124	290
7.4000E+07	3.6100E-11	7.6000E+07	3.3900E-11	7.8000E+07	3.1300E-11	9232	3124	291
8.0000E+07	2.8800E-11	8.5000E+07	2.3200E-11	9.0000E+07	1.8900E-11	9232	3124	292
9.5000E+07	1.5400E-11	1.0000E+08	1.3600E-11			9232	3124	293
						9232	3 0	294
9.2232E+04	2.3200E+02	0	0	0		09232	3125	295
-5.4624E+07	-5.4624E+07	0	0	1		179232	3125	296
	17	2				9232	3125	297
5.4860E+07	0.0000E+00	5.8000E+07	1.4300E-19	6.0000E+07	9.7200E-18	9232	3125	298
6.2000E+07	2.4900E-16	6.4000E+07	2.2700E-15	6.6000E+07	8.3800E-15	9232	3125	299
6.8000E+07	2.4900E-14	7.0000E+07	5.1100E-14	7.2000E+07	8.3900E-14	9232	3125	300
7.4000E+07	1.1700E-13	7.6000E+07	1.4500E-13	7.8000E+07	1.6400E-13	9232	3125	301
8.0000E+07	1.7100E-13	8.5000E+07	1.6900E-13	9.0000E+07	1.3900E-13	9232	3125	302
9.5000E+07	1.1800E-13	1.0000E+08	1.0000E-13			9232	3125	303
						9232	3 0	304
9.2232E+04	2.3200E+02	0	0	0		09232	3126	305
-6.2206E+07	-6.2206E+07	0	0	1		139232	3126	306
	13	2				9232	3126	307
6.2474E+07	0.0000E+00	6.6000E+07	3.5300E-23	6.8000E+07	6.2600E-21	9232	3126	308
7.0000E+07	1.7500E-19	7.2000E+07	1.8500E-18	7.4000E+07	1.0700E-17	9232	3126	309
7.6000E+07	3.6800E-17	7.8000E+07	8.7700E-17	8.0000E+07	1.5300E-16	9232	3126	310
8.5000E+07	3.9500E-16	9.0000E+07	5.4100E-16	9.5000E+07	5.5400E-16	9232	3126	311
1.0000E+08	5.0600E-16					9232	3126	312
						9232	3 0	313
9.2232E+04	2.3200E+02	0	0	0		09232	3153	314
-3.8907E+06	-3.8907E+06	0	0	1		559232	3153	315
	55	2				9232	3153	316
3.9074E+06	0.0000E+00	1.1000E+07	3.0200E-13	1.2000E+07	4.7400E-12	9232	3153	317
1.3000E+07	6.9100E-04	1.4000E+07	1.1600E-03	1.5000E+07	2.0500E-03	9232	3153	318
1.6000E+07	3.2400E-03	1.7000E+07	4.8700E-03	1.8000E+07	5.9600E-03	9232	3153	319
1.9000E+07	8.6000E-03	2.0000E+07	1.1300E-02	2.1000E+07	1.4900E-02	9232	3153	320
2.2000E+07	1.7500E-02	2.3000E+07	2.1900E-02	2.4000E+07	2.6900E-02	9232	3153	321
2.5000E+07	3.1800E-02	2.6000E+07	3.6500E-02	2.7000E+07	4.0000E-02	9232	3153	322
2.8000E+07	4.4300E-02	2.9000E+07	4.7700E-02	3.0000E+07	5.0600E-02	9232	3153	323
3.1000E+07	5.3300E-02	3.2000E+07	5.4200E-02	3.3000E+07	5.6200E-02	9232	3153	324
3.4000E+07	5.7300E-02	3.5000E+07	5.8100E-02	3.6000E+07	5.8300E-02	9232	3153	325
3.7000E+07	5.7100E-02	3.8000E+07	5.6800E-02	3.9000E+07	5.6500E-02	9232	3153	326
4.0000E+07	5.5300E-02	4.2000E+07	5.2900E-02	4.4000E+07	5.2100E-02	9232	3153	327
4.6000E+07	5.1700E-02	4.8000E+07	5.1300E-02	5.0000E+07	5.1200E-02	9232	3153	328
5.2000E+07	5.0600E-02	5.4000E+07	5.0300E-02	5.6000E+07	5.0000E-02	9232	3153	329

5.8000E+07	4.9800E-02	6.0000E+07	4.9400E-02	6.2000E+07	4.9200E-02	9232	3153	330
6.4000E+07	4.8900E-02	6.6000E+07	4.8700E-02	6.8000E+07	4.8400E-02	9232	3153	331
7.0000E+07	4.8000E-02	7.2000E+07	4.7900E-02	7.4000E+07	4.7600E-02	9232	3153	332
7.6000E+07	4.7500E-02	7.8000E+07	4.7100E-02	8.0000E+07	4.6600E-02	9232	3153	333
8.5000E+07	4.5800E-02	9.0000E+07	4.3600E-02	9.5000E+07	4.2800E-02	9232	3153	334
1.0000E+08	4.2300E-02					9232	3153	335
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0		09232	3154	337
-1.0705E+07	-1.0705E+07	0	0	1		489232	3154	338
48	2					9232	3154	339
1.0751E+07	0.0000E+00	1.8000E+07	3.2300E-10	1.9000E+07	2.4700E-09	9232	3154	340
2.0000E+07	2.3000E-07	2.1000E+07	4.3100E-06	2.2000E+07	2.5500E-05	9232	3154	341
2.3000E+07	1.0000E-04	2.4000E+07	2.9900E-04	2.5000E+07	7.3500E-04	9232	3154	342
2.6000E+07	1.5000E-03	2.7000E+07	2.6400E-03	2.8000E+07	4.3200E-03	9232	3154	343
2.9000E+07	6.4400E-03	3.0000E+07	8.9700E-03	3.1000E+07	1.1900E-02	9232	3154	344
3.2000E+07	1.5200E-02	3.3000E+07	1.8500E-02	3.4000E+07	2.1500E-02	9232	3154	345
3.5000E+07	2.4600E-02	3.6000E+07	2.7900E-02	3.7000E+07	3.1200E-02	9232	3154	346
3.8000E+07	3.4300E-02	3.9000E+07	3.7200E-02	4.0000E+07	3.9333E-02	9232	3154	347
4.2000E+07	4.3600E-02	4.4000E+07	4.5200E-02	4.6000E+07	4.6200E-02	9232	3154	348
4.8000E+07	4.6700E-02	5.0000E+07	4.5800E-02	5.2000E+07	4.3700E-02	9232	3154	349
5.4000E+07	4.2100E-02	5.6000E+07	4.0500E-02	5.8000E+07	3.9500E-02	9232	3154	350
6.0000E+07	3.8500E-02	6.2000E+07	3.7900E-02	6.4000E+07	3.7000E-02	9232	3154	351
6.6000E+07	3.6600E-02	6.8000E+07	3.6100E-02	7.0000E+07	3.5600E-02	9232	3154	352
7.2000E+07	3.5100E-02	7.4000E+07	3.4600E-02	7.6000E+07	3.4200E-02	9232	3154	353
7.8000E+07	3.3900E-02	8.0000E+07	3.3600E-02	8.5000E+07	3.2800E-02	9232	3154	354
9.0000E+07	3.2400E-02	9.5000E+07	3.1700E-02	1.0000E+08	3.1200E-02	9232	3	0
9.2232E+04	2.3200E+02	0	0	0		09232	3155	357
-1.6498E+07	-1.6498E+07	0	0	1		429232	3155	358
42	2					9232	3155	359
1.6569E+07	0.0000E+00	2.4000E+07	2.6200E-10	2.5000E+07	3.0200E-09	9232	3155	360
2.6000E+07	4.7400E-08	2.7000E+07	7.7500E-07	2.8000E+07	5.7900E-06	9232	3155	361
2.9000E+07	2.7000E-05	3.0000E+07	8.7500E-05	3.1000E+07	2.2800E-04	9232	3155	362
3.2000E+07	5.3200E-04	3.3000E+07	1.0200E-03	3.4000E+07	1.6000E-03	9232	3155	363
3.5000E+07	2.6000E-03	3.6000E+07	3.8400E-03	3.7000E+07	5.3300E-03	9232	3155	364
3.8000E+07	7.0300E-03	3.9000E+07	8.8500E-03	4.0000E+07	1.0933E-02	9232	3155	365
4.2000E+07	1.5100E-02	4.4000E+07	1.8800E-02	4.6000E+07	2.1600E-02	9232	3155	366
4.8000E+07	2.4200E-02	5.0000E+07	2.6500E-02	5.2000E+07	2.9400E-02	9232	3155	367
5.4000E+07	3.1400E-02	5.6000E+07	3.2800E-02	5.8000E+07	3.3600E-02	9232	3155	368
6.0000E+07	3.4100E-02	6.2000E+07	3.4100E-02	6.4000E+07	3.3800E-02	9232	3155	369
6.6000E+07	3.2300E-02	6.8000E+07	3.1200E-02	7.0000E+07	2.9900E-02	9232	3155	370
7.2000E+07	2.8700E-02	7.4000E+07	2.7700E-02	7.6000E+07	2.7000E-02	9232	3155	371
7.8000E+07	2.6100E-02	8.0000E+07	2.5600E-02	8.5000E+07	2.4400E-02	9232	3155	372
9.0000E+07	2.3600E-02	9.5000E+07	2.2600E-02	1.0000E+08	2.2000E-02	9232	3	0
9.2232E+04	2.3200E+02	0	0	0		09232	3156	375
-2.3553E+07	-2.3553E+07	0	0	1		359232	3156	376
35	2					9232	3156	377
2.3654E+07	0.0000E+00	3.1000E+07	1.3500E-11	3.2000E+07	5.8900E-10	9232	3156	378
3.3000E+07	4.6500E-09	3.4000E+07	3.6700E-08	3.5000E+07	3.5200E-07	9232	3156	379
3.6000E+07	2.1900E-06	3.7000E+07	9.5800E-06	3.8000E+07	3.4300E-05	9232	3156	380
3.9000E+07	9.2200E-05	4.0000E+07	3.3580E-04	4.2000E+07	8.2300E-04	9232	3156	381
4.4000E+07	2.0000E-03	4.6000E+07	3.2700E-03	4.8000E+07	5.3100E-03	9232	3156	382
5.0000E+07	7.3600E-03	5.2000E+07	9.2900E-03	5.4000E+07	1.0800E-02	9232	3156	383
5.6000E+07	1.2100E-02	5.8000E+07	1.3200E-02	6.0000E+07	1.4100E-02	9232	3156	384
6.2000E+07	1.4900E-02	6.4000E+07	1.5500E-02	6.6000E+07	1.6200E-02	9232	3156	385
6.8000E+07	1.7000E-02	7.0000E+07	1.7700E-02	7.2000E+07	1.8200E-02	9232	3156	386
7.4000E+07	1.8500E-02	7.6000E+07	1.8600E-02	7.8000E+07	1.8600E-02	9232	3156	387
8.0000E+07	1.8300E-02	8.5000E+07	1.7100E-02	9.0000E+07	1.5700E-02	9232	3156	388
9.5000E+07	1.4500E-02	1.0000E+08	1.3600E-02			9232	3156	389
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0		09232	3157	391
-2.9586E+07	-2.9586E+07	0	0	1		299232	3157	392
29	2					9232	3157	393
2.9714E+07	0.0000E+00	3.7000E+07	6.6400E-14	3.8000E+07	1.4800E-11	9232	3157	394
3.9000E+07	2.6300E-10	4.0000E+07	3.6175E-08	4.2000E+07	1.0800E-07	9232	3157	395
4.4000E+07	2.3300E-06	4.6000E+07	1.3100E-05	4.8000E+07	7.3500E-05	9232	3157	396

5.0000E+07	2.4400E-04	5.2000E+07	5.9200E-04	5.4000E+07	1.1000E-03	9232	3157	397
5.6000E+07	1.7500E-03	5.8000E+07	2.4300E-03	6.0000E+07	3.0300E-03	9232	3157	398
6.2000E+07	3.5100E-03	6.4000E+07	3.9600E-03	6.6000E+07	4.3100E-03	9232	3157	399
6.8000E+07	4.5900E-03	7.0000E+07	4.8800E-03	7.2000E+07	5.1300E-03	9232	3157	400
7.4000E+07	5.3300E-03	7.6000E+07	5.4900E-03	7.8000E+07	5.6300E-03	9232	3157	401
8.0000E+07	5.7700E-03	8.5000E+07	6.2100E-03	9.0000E+07	6.5800E-03	9232	3157	402
9.5000E+07	6.5200E-03	1.0000E+08	6.3700E-03			9232	3157	403
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0	0	09232	3158	405
-3.6855E+07	-3.6855E+07	0	0	1		249232	3158	406
	24	2				9232	3158	407
3.7014E+07	0.0000E+00	4.4000E+07	9.1500E-15	4.6000E+07	1.4200E-11	9232	3158	408
4.8000E+07	8.1700E-10	5.0000E+07	2.2000E-08	5.2000E+07	3.6300E-07	9232	3158	409
5.4000E+07	3.0600E-06	5.6000E+07	1.6600E-05	5.8000E+07	5.6700E-05	9232	3158	410
6.0000E+07	1.4400E-04	6.2000E+07	2.8400E-04	6.4000E+07	4.7200E-04	9232	3158	411
6.6000E+07	6.8100E-04	6.8000E+07	9.1300E-04	7.0000E+07	1.1200E-03	9232	3158	412
7.2000E+07	1.2900E-03	7.4000E+07	1.4100E-03	7.6000E+07	1.5100E-03	9232	3158	413
7.8000E+07	1.6000E-03	8.0000E+07	1.6900E-03	8.5000E+07	1.8400E-03	9232	3158	414
9.0000E+07	1.9500E-03	9.5000E+07	2.0800E-03	1.0000E+08	2.1200E-03	9232	3158	415
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0	0	09232	3159	417
-4.3218E+07	-4.3218E+07	0	0	1		209232	3159	418
	20	2				9232	3159	419
4.3404E+07	0.0000E+00	5.2000E+07	1.3800E-14	5.4000E+07	1.9000E-12	9232	3159	420
5.6000E+07	6.3500E-11	5.8000E+07	1.2000E-09	6.0000E+07	1.3600E-08	9232	3159	421
6.2000E+07	9.7100E-08	6.4000E+07	4.3500E-07	6.6000E+07	1.4200E-06	9232	3159	422
6.8000E+07	3.6900E-06	7.0000E+07	7.7300E-06	7.2000E+07	1.3600E-05	9232	3159	423
7.4000E+07	2.0300E-05	7.6000E+07	2.7300E-05	7.8000E+07	3.4400E-05	9232	3159	424
8.0000E+07	4.0700E-05	8.5000E+07	5.1300E-05	9.0000E+07	5.6200E-05	9232	3159	425
9.5000E+07	6.1400E-05	1.0000E+08	6.6400E-05			9232	3159	426
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0	0	09232	3160	428
-5.0355E+07	-5.0355E+07	0	0	1		179232	3160	429
	17	2				9232	3160	430
5.0572E+07	0.0000E+00	5.8000E+07	6.0400E-22	6.0000E+07	1.5200E-17	9232	3160	431
6.2000E+07	4.4300E-15	6.4000E+07	1.9800E-13	6.6000E+07	3.5400E-12	9232	3160	432
6.8000E+07	4.6900E-11	7.0000E+07	4.3000E-10	7.2000E+07	2.5300E-09	9232	3160	433
7.4000E+07	9.7400E-09	7.6000E+07	2.7800E-08	7.8000E+07	6.5500E-08	9232	3160	434
8.0000E+07	1.2900E-07	8.5000E+07	3.7700E-07	9.0000E+07	6.3800E-07	9232	3160	435
9.5000E+07	8.1600E-07	1.0000E+08	9.0100E-07			9232	3160	436
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0	0	09232	3161	438
-5.6139E+07	-5.6139E+07	0	0	1		149232	3161	439
	14	2				9232	3161	440
5.6381E+07	0.0000E+00	6.4000E+07	1.0900E-34	6.6000E+07	8.2200E-23	9232	3161	441
6.8000E+07	2.9300E-19	7.0000E+07	4.3200E-17	7.2000E+07	1.9600E-15	9232	3161	442
7.4000E+07	3.6800E-14	7.6000E+07	4.0400E-13	7.8000E+07	3.1100E-12	9232	3161	443
8.0000E+07	1.5900E-11	8.5000E+07	2.7700E-10	9.0000E+07	1.4400E-09	9232	3161	444
9.5000E+07	3.8500E-09	1.0000E+08	6.2500E-09			9232	3161	445
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0	0	09232	3162	447
-6.3502E+07	-6.3502E+07	0	0	1		109232	3162	448
	10	2				9232	3162	449
6.3776E+07	0.0000E+00	7.2000E+07	3.9200E-37	7.4000E+07	1.9800E-26	9232	3162	450
7.6000E+07	1.9900E-22	7.8000E+07	3.3000E-20	8.0000E+07	1.3900E-18	9232	3162	451
8.5000E+07	1.1600E-15	9.0000E+07	7.1200E-14	9.5000E+07	1.1100E-12	9232	3162	452
1.0000E+08	5.6100E-12					9232	3162	453
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0	0	09232	3174	455
-8.6181E+06	-8.6181E+06	0	0	1		449232	3174	456
	44	2				9232	3174	457
8.6552E+06	0.0000E+00	2.2000E+07	6.9200E-20	2.3000E+07	3.7700E-18	9232	3174	458
2.4000E+07	5.6900E-15	2.5000E+07	7.8800E-13	2.6000E+07	6.9900E-12	9232	3174	459
2.7000E+07	3.7500E-11	2.8000E+07	1.4900E-10	2.9000E+07	7.0600E-09	9232	3174	460
3.0000E+07	1.4300E-08	3.1000E+07	6.8400E-08	3.2000E+07	2.1200E-07	9232	3174	461
3.3000E+07	5.1700E-07	3.4000E+07	1.1600E-06	3.5000E+07	2.7000E-06	9232	3174	462
3.6000E+07	5.3800E-06	3.7000E+07	1.1700E-05	3.8000E+07	2.3900E-05	9232	3174	463

3.9000E+07	5.0700E-05	4.0000E+07	1.4580E-04	4.2000E+07	3.3600E-04	9232	3174	464
4.4000E+07	6.8000E-04	4.6000E+07	1.1200E-03	4.8000E+07	1.6000E-03	9232	3174	465
5.0000E+07	2.1200E-03	5.2000E+07	2.6500E-03	5.4000E+07	3.1600E-03	9232	3174	466
5.6000E+07	3.5500E-03	5.8000E+07	3.9400E-03	6.0000E+07	4.2500E-03	9232	3174	467
6.2000E+07	4.4200E-03	6.4000E+07	4.6200E-03	6.6000E+07	4.6700E-03	9232	3174	468
6.8000E+07	4.7300E-03	7.0000E+07	4.7600E-03	7.2000E+07	4.7900E-03	9232	3174	469
7.4000E+07	4.8400E-03	7.6000E+07	4.8400E-03	7.8000E+07	4.8500E-03	9232	3174	470
8.0000E+07	4.8800E-03	8.5000E+07	4.8900E-03	9.0000E+07	4.7900E-03	9232	3174	471
9.5000E+07	4.7500E-03	1.0000E+08	4.7400E-03			9232	3174	472
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0		09232	3175	474
1.0663E+07	1.0663E+07	0	0	1		619232	3175	475
	61	2				9232	3175	476
1.0000E-05	0.0000E+00	5.0000E+06	6.3800E-09	6.0000E+06	7.5100E-08	9232	3175	477
7.0000E+06	3.8400E-07	8.0000E+06	1.4500E-06	9.0000E+06	4.7600E-06	9232	3175	478
1.0000E+07	1.4200E-05	1.1000E+07	3.8900E-05	1.2000E+07	9.6300E-05	9232	3175	479
1.3000E+07	2.1000E-04	1.4000E+07	3.9800E-04	1.5000E+07	6.6300E-04	9232	3175	480
1.6000E+07	9.9100E-04	1.7000E+07	1.3400E-03	1.8000E+07	1.6700E-03	9232	3175	481
1.9000E+07	1.9200E-03	2.0000E+07	2.1000E-03	2.1000E+07	2.1700E-03	9232	3175	482
2.2000E+07	2.1800E-03	2.3000E+07	2.1500E-03	2.4000E+07	2.0900E-03	9232	3175	483
2.5000E+07	2.0200E-03	2.6000E+07	1.9300E-03	2.7000E+07	1.8300E-03	9232	3175	484
2.8000E+07	1.7300E-03	2.9000E+07	1.6100E-03	3.0000E+07	1.5000E-03	9232	3175	485
3.1000E+07	1.3900E-03	3.2000E+07	1.2900E-03	3.3000E+07	1.2000E-03	9232	3175	486
3.4000E+07	1.1100E-03	3.5000E+07	1.0300E-03	3.6000E+07	1.0200E-03	9232	3175	487
3.7000E+07	9.4500E-04	3.8000E+07	8.7000E-04	3.9000E+07	7.9900E-04	9232	3175	488
4.0000E+07	7.2467E-04	4.2000E+07	5.7600E-04	4.4000E+07	4.8100E-04	9232	3175	489
4.6000E+07	4.1200E-04	4.8000E+07	3.5700E-04	5.0000E+07	3.1800E-04	9232	3175	490
5.2000E+07	3.1100E-04	5.4000E+07	3.6600E-04	5.6000E+07	4.9500E-04	9232	3175	491
5.8000E+07	6.8500E-04	6.0000E+07	9.7000E-04	6.2000E+07	1.3100E-03	9232	3175	492
6.4000E+07	1.6400E-03	6.6000E+07	2.0200E-03	6.8000E+07	2.3600E-03	9232	3175	493
7.0000E+07	2.6500E-03	7.2000E+07	2.8700E-03	7.4000E+07	3.0100E-03	9232	3175	494
7.6000E+07	3.1100E-03	7.8000E+07	3.1400E-03	8.0000E+07	3.1900E-03	9232	3175	495
8.5000E+07	3.1900E-03	9.0000E+07	3.1500E-03	9.5000E+07	3.0900E-03	9232	3175	496
1.0000E+08	3.0200E-03					9232	3175	497
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0		09232	3176	499
5.4141E+06	5.4141E+06	0	0	1		569232	3176	500
	56	2				9232	3176	501
1.0000E-05	0.0000E+00	1.0000E+07	5.6300E-09	1.1000E+07	5.8000E-07	9232	3176	502
1.2000E+07	1.7500E-06	1.3000E+07	5.1100E-06	1.4000E+07	1.5700E-05	9232	3176	503
1.5000E+07	4.4200E-05	1.6000E+07	1.1500E-04	1.7000E+07	2.6300E-04	9232	3176	504
1.8000E+07	5.2600E-04	1.9000E+07	9.6500E-04	2.0000E+07	1.5000E-03	9232	3176	505
2.1000E+07	2.1500E-03	2.2000E+07	2.8600E-03	2.3000E+07	3.5900E-03	9232	3176	506
2.4000E+07	4.2800E-03	2.5000E+07	4.9600E-03	2.6000E+07	5.4900E-03	9232	3176	507
2.7000E+07	5.8500E-03	2.8000E+07	6.0200E-03	2.9000E+07	6.0600E-03	9232	3176	508
3.0000E+07	6.0000E-03	3.1000E+07	5.8600E-03	3.2000E+07	5.6500E-03	9232	3176	509
3.3000E+07	5.3600E-03	3.4000E+07	5.0900E-03	3.5000E+07	4.8100E-03	9232	3176	510
3.6000E+07	4.6300E-03	3.7000E+07	4.3300E-03	3.8000E+07	4.0300E-03	9232	3176	511
3.9000E+07	3.7400E-03	4.0000E+07	3.4033E-03	4.2000E+07	2.7300E-03	9232	3176	512
4.4000E+07	2.3100E-03	4.6000E+07	1.9700E-03	4.8000E+07	1.6500E-03	9232	3176	513
5.0000E+07	1.3900E-03	5.2000E+07	1.1700E-03	5.4000E+07	9.9700E-04	9232	3176	514
5.6000E+07	8.5000E-04	5.8000E+07	7.1400E-04	6.0000E+07	6.1300E-04	9232	3176	515
6.2000E+07	5.4900E-04	6.4000E+07	5.0500E-04	6.6000E+07	5.4300E-04	9232	3176	516
6.8000E+07	6.3600E-04	7.0000E+07	8.0800E-04	7.2000E+07	1.0300E-03	9232	3176	517
7.4000E+07	1.3300E-03	7.6000E+07	1.6500E-03	7.8000E+07	1.9800E-03	9232	3176	518
8.0000E+07	2.2600E-03	8.5000E+07	2.9300E-03	9.0000E+07	3.4400E-03	9232	3176	519
9.5000E+07	3.6300E-03	1.0000E+08	3.4600E-03			9232	3176	520
						9232	3	0
9.2232E+04	2.3200E+02	0	0	0		09232	3177	522
-1.7059E+06	-1.7059E+06	0	0	1		489232	3177	523
	48	2				9232	3177	524
1.7133E+06	0.0000E+00	1.8000E+07	4.3700E-08	1.9000E+07	4.3700E-07	9232	3177	525
2.0000E+07	1.7500E-06	2.1000E+07	4.8100E-06	2.2000E+07	1.2600E-05	9232	3177	526
2.3000E+07	3.3100E-05	2.4000E+07	8.1200E-05	2.5000E+07	1.8500E-04	9232	3177	527
2.6000E+07	3.8000E-04	2.7000E+07	6.9900E-04	2.8000E+07	1.1400E-03	9232	3177	528
2.9000E+07	1.6500E-03	3.0000E+07	2.2100E-03	3.1000E+07	2.8000E-03	9232	3177	529
3.2000E+07	3.3500E-03	3.3000E+07	3.8300E-03	3.4000E+07	4.1700E-03	9232	3177	530

3.5000E+07	4.3900E-03	3.6000E+07	4.4900E-03	3.7000E+07	4.5000E-03	9232	3	0	531
3.8000E+07	4.4300E-03	3.9000E+07	4.3000E-03	4.0000E+07	4.0433E-03	9232	3	177	532
4.2000E+07	3.5300E-03	4.4000E+07	3.0700E-03	4.6000E+07	2.6700E-03	9232	3	177	533
4.8000E+07	2.2900E-03	5.0000E+07	1.9600E-03	5.2000E+07	1.6700E-03	9232	3	177	534
5.4000E+07	1.4000E-03	5.6000E+07	1.1600E-03	5.8000E+07	9.6700E-04	9232	3	177	535
6.0000E+07	8.1900E-04	6.2000E+07	7.0100E-04	6.4000E+07	5.9200E-04	9232	3	177	536
6.6000E+07	5.0000E-04	6.8000E+07	3.9700E-04	7.0000E+07	3.2200E-04	9232	3	177	537
7.2000E+07	2.5700E-04	7.4000E+07	2.0800E-04	7.6000E+07	1.8000E-04	9232	3	177	538
7.8000E+07	1.8300E-04	8.0000E+07	2.1600E-04	8.5000E+07	4.3800E-04	9232	3	177	539
9.0000E+07	7.5400E-04	9.5000E+07	1.0500E-03	1.0000E+08	1.4100E-03	9232	3	177	540
						9232	3	0	541
9.2232E+04	2.3200E+02	0	0	0	0	9232	3	178	542
-7.1603E+06	-7.1603E+06	0	0	1	1	439232	3	178	543
	43	2				9232	3	178	544
7.1912E+06	0.0000E+00	2.3000E+07	5.1100E-10	2.4000E+07	5.2100E-08	9232	3	178	545
2.5000E+07	4.0200E-07	2.6000E+07	1.5100E-06	2.7000E+07	4.5200E-06	9232	3	178	546
2.8000E+07	1.2200E-05	2.9000E+07	3.0500E-05	3.0000E+07	7.0900E-05	9232	3	178	547
3.1000E+07	1.6100E-04	3.2000E+07	3.2800E-04	3.3000E+07	6.1900E-04	9232	3	178	548
3.4000E+07	1.0000E-03	3.5000E+07	1.4900E-03	3.6000E+07	1.9400E-03	9232	3	178	549
3.7000E+07	2.5800E-03	3.8000E+07	3.2200E-03	3.9000E+07	3.8800E-03	9232	3	178	550
4.0000E+07	4.2733E-03	4.2000E+07	5.0600E-03	4.4000E+07	5.3900E-03	9232	3	178	551
4.6000E+07	5.3300E-03	4.8000E+07	4.9600E-03	5.0000E+07	4.4800E-03	9232	3	178	552
5.2000E+07	3.9700E-03	5.4000E+07	3.4500E-03	5.6000E+07	2.9900E-03	9232	3	178	553
5.8000E+07	2.5500E-03	6.0000E+07	2.1800E-03	6.2000E+07	1.8300E-03	9232	3	178	554
6.4000E+07	1.5400E-03	6.6000E+07	1.3100E-03	6.8000E+07	1.1400E-03	9232	3	178	555
7.0000E+07	9.6800E-04	7.2000E+07	8.1900E-04	7.4000E+07	6.9000E-04	9232	3	178	556
7.6000E+07	5.7300E-04	7.8000E+07	4.7100E-04	8.0000E+07	3.2900E-04	9232	3	178	557
8.5000E+07	1.7500E-04	9.0000E+07	1.9900E-04	9.5000E+07	4.0300E-04	9232	3	178	558
1.0000E+08	6.5800E-04					9232	3	178	559
						9232	3	0	560
9.2232E+04	2.3200E+02	0	0	0	0	9232	3	179	561
-1.4346E+07	-1.4346E+07	0	0	1	1	369232	3	179	562
	36	2				9232	3	179	563
1.4408E+07	0.0000E+00	3.0000E+07	1.4400E-13	3.1000E+07	3.2900E-10	9232	3	179	564
3.2000E+07	9.7500E-09	3.3000E+07	8.3400E-08	3.4000E+07	3.8200E-07	9232	3	179	565
3.5000E+07	1.2300E-06	3.6000E+07	3.0500E-06	3.7000E+07	8.2100E-06	9232	3	179	566
3.8000E+07	2.0000E-05	3.9000E+07	4.7800E-05	4.0000E+07	1.5987E-04	9232	3	179	567
4.2000E+07	3.8400E-04	4.4000E+07	9.3100E-04	4.6000E+07	1.6200E-03	9232	3	179	568
4.8000E+07	2.3900E-03	5.0000E+07	3.0100E-03	5.2000E+07	3.3400E-03	9232	3	179	569
5.4000E+07	3.4000E-03	5.6000E+07	3.2900E-03	5.8000E+07	3.0200E-03	9232	3	179	570
6.0000E+07	2.7000E-03	6.2000E+07	2.3500E-03	6.4000E+07	2.0500E-03	9232	3	179	571
6.6000E+07	1.7600E-03	6.8000E+07	1.5100E-03	7.0000E+07	1.2800E-03	9232	3	179	572
7.2000E+07	1.0800E-03	7.4000E+07	9.0800E-04	7.6000E+07	7.7000E-04	9232	3	179	573
7.8000E+07	6.5300E-04	8.0000E+07	5.7000E-04	8.5000E+07	3.6700E-04	9232	3	179	574
9.0000E+07	2.0700E-04	9.5000E+07	1.0700E-04	1.0000E+08	7.5900E-05	9232	3	179	575
						9232	3	0	576
9.2232E+04	2.3200E+02	0	0	0	0	9232	3	180	577
-2.0108E+07	-2.0108E+07	0	0	1	1	309232	3	180	578
	30	2				9232	3	180	579
2.0194E+07	0.0000E+00	3.6000E+07	3.1400E-14	3.7000E+07	2.8400E-11	9232	3	180	580
3.8000E+07	1.1700E-09	3.9000E+07	1.4100E-08	4.0000E+07	4.1273E-07	9232	3	180	581
4.2000E+07	1.2100E-06	4.4000E+07	8.8800E-06	4.6000E+07	4.5300E-05	9232	3	180	582
4.8000E+07	1.8000E-04	5.0000E+07	5.0800E-04	5.2000E+07	1.0100E-03	9232	3	180	583
5.4000E+07	1.7000E-03	5.6000E+07	2.3700E-03	5.8000E+07	2.9500E-03	9232	3	180	584
6.0000E+07	3.3200E-03	6.2000E+07	3.4900E-03	6.4000E+07	3.4500E-03	9232	3	180	585
6.6000E+07	3.2900E-03	6.8000E+07	3.0200E-03	7.0000E+07	2.7100E-03	9232	3	180	586
7.2000E+07	2.3900E-03	7.4000E+07	2.0800E-03	7.6000E+07	1.8000E-03	9232	3	180	587
7.8000E+07	1.5400E-03	8.0000E+07	1.3300E-03	8.5000E+07	8.9300E-04	9232	3	180	588
9.0000E+07	6.0200E-04	9.5000E+07	3.5900E-04	1.0000E+08	2.0400E-04	9232	3	180	589
						9232	3	0	590
9.2232E+04	2.3200E+02	0	0	0	0	9232	3	181	591
-2.7442E+07	-2.7442E+07	0	0	1	1	249232	3	181	592
	24	2				9232	3	181	593
2.7561E+07	0.0000E+00	4.4000E+07	3.6300E-13	4.6000E+07	5.5500E-10	9232	3	181	594
4.8000E+07	2.5800E-08	5.0000E+07	3.5400E-07	5.2000E+07	2.4500E-06	9232	3	181	595
5.4000E+07	1.4900E-05	5.6000E+07	6.1000E-05	5.8000E+07	1.9900E-04	9232	3	181	596
6.0000E+07	4.7500E-04	6.2000E+07	9.2600E-04	6.4000E+07	1.4500E-03	9232	3	181	597

6.6000E+07	1.9800E-03	6.8000E+07	2.4300E-03	7.0000E+07	2.7400E-03	9232	3	0	602
7.2000E+07	2.8700E-03	7.4000E+07	2.8500E-03	7.6000E+07	2.7300E-03	9232	3181		598
7.8000E+07	2.5200E-03	8.0000E+07	2.2700E-03	8.5000E+07	1.6400E-03	9232	3181		599
9.0000E+07	1.1100E-03	9.5000E+07	8.1400E-04	1.0000E+08	5.5500E-04	9232	3181		600
						9232	3	0	601
9.2232E+04	2.3200E+02	0	0	0	0	9232	3182		602
-3.2407E+07	-3.2407E+07	0	0	1	1	219232	3182		603
	21	2				9232	3182		604
3.2547E+07	0.0000E+00	5.0000E+07	1.4200E-15	5.2000E+07	1.4500E-11	9232	3182		605
5.4000E+07	1.7000E-09	5.6000E+07	3.4700E-08	5.8000E+07	3.7100E-07	9232	3182		606
6.0000E+07	2.6000E-06	6.2000E+07	1.5700E-05	6.4000E+07	5.9400E-05	9232	3182		607
6.6000E+07	1.7000E-04	6.8000E+07	3.8100E-04	7.0000E+07	7.1200E-04	9232	3182		608
7.2000E+07	1.1500E-03	7.4000E+07	1.6200E-03	7.6000E+07	2.0500E-03	9232	3182		609
7.8000E+07	2.4400E-03	8.0000E+07	2.7000E-03	8.5000E+07	2.8100E-03	9232	3182		610
9.0000E+07	2.3800E-03	9.5000E+07	1.8600E-03	1.0000E+08	1.3300E-03	9232	3182		611
						9232	3	0	612
9.2232E+04	2.3200E+02	0	0	0	0	9232	3183		613
-3.9548E+07	-3.9548E+07	0	0	1	1	179232	3183		614
	17	2				9232	3183		615
3.9718E+07	0.0000E+00	5.8000E+07	8.1800E-19	6.0000E+07	4.6100E-13	9232	3183		616
6.2000E+07	8.5800E-11	6.4000E+07	2.3700E-09	6.6000E+07	3.2400E-08	9232	3183		617
6.8000E+07	2.9700E-07	7.0000E+07	1.9200E-06	7.2000E+07	9.5400E-06	9232	3183		618
7.4000E+07	3.4700E-05	7.6000E+07	9.4700E-05	7.8000E+07	2.1600E-04	9232	3183		619
8.0000E+07	4.0600E-04	8.5000E+07	1.1200E-03	9.0000E+07	1.6700E-03	9232	3183		620
9.5000E+07	1.7500E-03	1.0000E+08	1.5000E-03			9232	3183		621
						9232	3	0	622
						9232	0	0	623
						0	0	0	624
						-1	0	0	625
U-233	WIND					0	0	0	0
9.2233E+04	2.3300E+02	-1	0	99	99	19233	1451		1
0.0000E+00	0.0000E+00	0	0	0	0	69233	1451		2
1.0000E+00	0.0000E+00	0	0	10	10	29233	1451		3
0.0000E+00	0.0000E+00	0	0	67	67	339233	1451		4
92- U-233	INPE	EVAL-SEP94	YU.A.KOROVIN	ET.AL.		9233	1451		5
		DIST-OCT94				9233	1451		6
----	WIND	MATERIAL	9233			9233	1451		7
-----	INCIDENT-NEUTRON	DATA				9233	1451		8
-----	ENDF-6	FORMAT				9233	1451		9
AUTHORS OF EVALUATION:	A.YU.KONOBEYEV,	YU.A.KOROVIN,				9233	1451		10
	P.E.PERESLAVTSEV,	V.I.PLYASKIN				9233	1451		11
						9233	1451		12
FILE OF ACTINIDE DATA	LIBRARY	WIND				9233	1451		13
ENERGY OF PROJECTILE:	0-100	MEV				9233	1451		14
REFERENCE:	KERNTECHNIK,	1994,	V.59,	P.87		9233	1451		15
						9233	1451		16
CONTENT OF FILE:						9233	1451		17
						9233	1451		18
MF = 1	GENERAL	INFORMATION				9233	1451		19
						9233	1451		20
MT = 451	COMMENTS	AND	DICTIONARY			9233	1451		21
						9233	1451		22
MF = 3	NEUTRON	CROSS-SECTIONS				9233	1451		23
						9233	1451		24
(N,2N)	REACTION	CROSS-SECTIONS	BELOW	20	MEV	ARE	FROM	BROND-2	9233 1451 25
(N,3N)	REACTION	CROSS-SECTIONS	BELOW	20	MEV	ARE	FROM	BROND-2	9233 1451 26
(N,F)	REACTION	CROSS-SECTIONS	BELOW	20	MEV	ARE	FROM	BROND-2	9233 1451 27
THIS	VERSION	OF	THE	LIBRARY	INCLUDES	FAST	ENERGY	REGION	FOR
SECTION	MT=18	FROM	0.1	UP	TO	100	MEV.	THE	VERSION
AT	LOW	ENERGIES	WITH	RESONANCE	CONTRIBUTION	RECONSTRUCTION			
IS	AVAILABLE	FROM	THE	AUTHORS	AFTER	REQUEST			
						9233	1451		28
						9233	1451		29
						9233	1451		30
						9233	1451		31
						9233	1451		32
MT=16,17,18,37,103,111	ARE	STANDARD	ENDF-6	SECTIONS,		9233	1451		33
OTHER	MT	NUMBERS	ARE	NEW	ASSIGNED	9233	1451		34
IN	FOLLOWING	DESCRIPTION	"(N,X)"	MEANS	SUM	CROSS-SECTIONS	OF		
ALL	REACTIONS	RESULTED	IN	THE	SAME	RESIDUAL	NUCLEUS	WITHOUT	
RADIOACTIVE	DECAY	TAKEN	INTO	ACCOUNT		9233	1451		35
						9233	1451		36
						9233	1451		37

MT = 16 (N,2N)	CROSS-SECTION (U232 PRODUCTION)	9233 1451	38
MT = 17 (N,3N)	CROSS-SECTION (U231 PRODUCTION)	9233 1451	39
MT = 18 (N,F) FISSION	CROSS-SECTION	9233 1451	40
MT = 37 (N,4N)	CROSS-SECTION (U230 PRODUCTION)	9233 1451	41
MT =103 (N,P)	CROSS-SECTION (Pa233 PRODUCTION)	9233 1451	42
MT =111 (N,2P)	CROSS-SECTION (Th232 PRODUCTION)	9233 1451	43
MT =121 (N,5N)	CROSS-SECTION (U229 PRODUCTION)	9233 1451	44
MT =122 (N,6N)	CROSS-SECTION (U228 PRODUCTION)	9233 1451	45
MT =123 (N,7N)	CROSS-SECTION (U227 PRODUCTION)	9233 1451	46
MT =124 (N,8N)	CROSS-SECTION (U226 PRODUCTION)	9233 1451	47
MT =125 (N,9N)	CROSS-SECTION (U225 PRODUCTION)	9233 1451	48
MT =126 (N,10N)	CROSS-SECTION (U224 PRODUCTION)	9233 1451	49
MT =153 (N,NP) + (N,D)	CROSS-SECTION (Pa232 PRODUCTION)	9233 1451	50
MT =154 (N,2NP) + (N,ND)	CROSS-SECTION (Pa231 PRODUCTION)	9233 1451	51
MT =155 (N,3NP) + (N,2ND)	CROSS-SECTION (Pa230 PRODUCTION)	9233 1451	52
MT =156 (N,4NP) + (N,3ND)	CROSS-SECTION (Pa229 PRODUCTION)	9233 1451	53
MT =157 (N,5NP) + (N,4ND)	CROSS-SECTION (Pa228 PRODUCTION)	9233 1451	54
MT =158 (N,6NP) + (N,5ND)	CROSS-SECTION (Pa227 PRODUCTION)	9233 1451	55
MT =159 (N,7NP) + (N,6ND)	CROSS-SECTION (Pa226 PRODUCTION)	9233 1451	56
MT =160 (N,8NP) + (N,7ND)	CROSS-SECTION (Pa225 PRODUCTION)	9233 1451	57
MT =161 (N,9NP) + (N,8ND)	CROSS-SECTION (Pa224 PRODUCTION)	9233 1451	58
MT =162 (N,10NP) + (N,9ND)	CROSS-SECTION (Pa223 PRODUCTION)	9233 1451	59
MT =174 (N,N2P) + (N,PD)	CROSS-SECTION (Th231 PRODUCTION)	9233 1451	60
MT =175 (N,2N2P) + (N,X)	CROSS-SECTION (Th230 PRODUCTION)	9233 1451	61
MT =176 (N,3N2P) + (N,X)	CROSS-SECTION (Th229 PRODUCTION)	9233 1451	62
MT =177 (N,4N2P) + (N,X)	CROSS-SECTION (Th228 PRODUCTION)	9233 1451	63
MT =178 (N,5N2P) + (N,X)	CROSS-SECTION (Th227 PRODUCTION)	9233 1451	64
MT =179 (N,6N2P) + (N,X)	CROSS-SECTION (Th226 PRODUCTION)	9233 1451	65
MT =180 (N,7N2P) + (N,X)	CROSS-SECTION (Th225 PRODUCTION)	9233 1451	66
MT =181 (N,8N2P) + (N,X)	CROSS-SECTION (Th224 PRODUCTION)	9233 1451	67
MT =182 (N,9N2P) + (N,X)	CROSS-SECTION (Th223 PRODUCTION)	9233 1451	68
MT =183 (N,10N2P) + (N,X)	CROSS-SECTION (Th222 PRODUCTION)	9233 1451	69
		9233 1451	70
	1 451 104	19233 1451	71
	3 16 27	19233 1451	72
	3 17 21	19233 1451	73
	3 18 48	19233 1451	74
	3 37 19	19233 1451	75
	3 103 23	19233 1451	76
	3 111 19	19233 1451	77
	3 121 16	19233 1451	78
	3 122 14	19233 1451	79
	3 123 12	19233 1451	80
	3 124 10	19233 1451	81
	3 125 9	19233 1451	82
	3 126 8	19233 1451	83
	3 126 8	19233 1451	84
	3 153 21	19233 1451	85
	3 154 20	19233 1451	86
	3 155 17	19233 1451	87
	3 156 16	19233 1451	88
	3 157 13	19233 1451	89
	3 158 11	19233 1451	90
	3 159 10	19233 1451	91
	3 160 9	19233 1451	92
	3 161 7	19233 1451	93
	3 162 7	19233 1451	94
	3 174 17	19233 1451	95
	3 175 24	19233 1451	96
	3 176 22	19233 1451	97
	3 177 20	19233 1451	98
	3 178 18	19233 1451	99
	3 179 16	19233 1451	100
	3 180 13	19233 1451	101
	3 181 12	19233 1451	102
	3 182 10	19233 1451	103
	3 183 9	19233 1451	104

						9233	1	0	105
						9233	0	0	106
9.2233E+04	2.3300E+02	0	0	0		09233	3	16	107
-5.7440E+06	-5.7440E+06	0	0	1		709233	3	16	108
70	2					9233	3	16	109
5.7690E+06	0.0000E+00	6.0000E+06	7.0000E-03	6.5000E+06	2.6000E-02	9233	3	16	110
7.0000E+06	6.7000E-02	7.5000E+06	1.2800E-01	8.0000E+06	1.9100E-01	9233	3	16	111
8.5000E+06	2.5100E-01	9.0000E+06	3.1400E-01	9.5000E+06	3.6700E-01	9233	3	16	112
1.0000E+07	4.1200E-01	1.0500E+07	4.4500E-01	1.1000E+07	4.8000E-01	9233	3	16	113
1.1500E+07	5.0500E-01	1.2000E+07	5.1400E-01	1.2500E+07	4.9900E-01	9233	3	16	114
1.3000E+07	4.6900E-01	1.3064E+07	4.6400E-01	1.3500E+07	4.3700E-01	9233	3	16	115
1.4000E+07	4.1100E-01	1.4500E+07	3.8300E-01	1.5000E+07	3.5600E-01	9233	3	16	116
1.6000E+07	3.0200E-01	1.7000E+07	2.5700E-01	1.8000E+07	2.2300E-01	9233	3	16	117
1.9000E+07	2.0300E-01	2.0000E+07	1.9600E-01	2.1000E+07	1.9090E-01	9233	3	16	118
2.2000E+07	1.7736E-01	2.3000E+07	1.6714E-01	2.4000E+07	1.5949E-01	9233	3	16	119
2.5000E+07	1.5203E-01	2.6000E+07	1.4574E-01	2.7000E+07	1.3896E-01	9233	3	16	120
2.8000E+07	1.3337E-01	2.9000E+07	1.2803E-01	3.0000E+07	1.2323E-01	9233	3	16	121
3.1000E+07	1.1883E-01	3.2000E+07	1.1451E-01	3.3000E+07	1.1077E-01	9233	3	16	122
3.4000E+07	1.0748E-01	3.5000E+07	1.0434E-01	3.6000E+07	1.0122E-01	9233	3	16	123
3.7000E+07	9.8025E-02	3.8000E+07	9.5140E-02	3.9000E+07	9.2456E-02	9233	3	16	124
4.0000E+07	8.9319E-02	4.2000E+07	8.3044E-02	4.4000E+07	7.8724E-02	9233	3	16	125
4.6000E+07	7.4666E-02	4.8000E+07	7.1137E-02	5.0000E+07	6.7911E-02	9233	3	16	126
5.2000E+07	6.5264E-02	5.4000E+07	6.2376E-02	5.6000E+07	5.9630E-02	9233	3	16	127
5.8000E+07	5.7212E-02	6.0000E+07	5.5308E-02	6.2000E+07	5.0607E-02	9233	3	16	128
6.4000E+07	4.8400E-02	6.6000E+07	4.6279E-02	6.8000E+07	4.4435E-02	9233	3	16	129
7.0000E+07	4.2662E-02	7.2000E+07	4.1054E-02	7.4000E+07	3.9407E-02	9233	3	16	130
7.6000E+07	3.7914E-02	7.8000E+07	3.6572E-02	8.0000E+07	3.5078E-02	9233	3	16	131
8.5000E+07	3.2026E-02	9.0000E+07	2.9001E-02	9.5000E+07	2.6369E-02	9233	3	16	132
1.0000E+08	2.4200E-02					9233	3	16	133
						9233	3	0	134
9.2233E+04	2.3300E+02	0	0	0		09233	3	17	135
-1.3008E+07	-1.3008E+07	0	0	1		549233	3	17	136
54	2					9233	3	17	137
1.3064E+07	0.0000E+00	1.3500E+07	1.0000E-03	1.4000E+07	5.0000E-03	9233	3	17	138
1.4500E+07	1.1000E-02	1.5000E+07	2.0000E-02	1.6000E+07	5.6000E-02	9233	3	17	139
1.7000E+07	1.0600E-01	1.8000E+07	1.5800E-01	1.9000E+07	2.0800E-01	9233	3	17	140
2.0000E+07	2.6000E-01	2.1000E+07	2.2700E-01	2.2000E+07	2.1125E-01	9233	3	17	141
2.3000E+07	1.8889E-01	2.4000E+07	1.6798E-01	2.5000E+07	1.4955E-01	9233	3	17	142
2.6000E+07	1.3506E-01	2.7000E+07	1.2367E-01	2.8000E+07	1.1375E-01	9233	3	17	143
2.9000E+07	1.0568E-01	3.0000E+07	9.8725E-02	3.1000E+07	9.2567E-02	9233	3	17	144
3.2000E+07	8.7187E-02	3.3000E+07	8.2570E-02	3.4000E+07	7.8301E-02	9233	3	17	145
3.5000E+07	7.4467E-02	3.6000E+07	7.1157E-02	3.7000E+07	6.7762E-02	9233	3	17	146
3.8000E+07	6.4871E-02	3.9000E+07	6.2177E-02	4.0000E+07	5.9588E-02	9233	3	17	147
4.2000E+07	5.4409E-02	4.4000E+07	5.0532E-02	4.6000E+07	4.7205E-02	9233	3	17	148
4.8000E+07	4.4197E-02	5.0000E+07	4.1282E-02	5.2000E+07	3.8737E-02	9233	3	17	149
5.4000E+07	3.6444E-02	5.6000E+07	3.3986E-02	5.8000E+07	3.1949E-02	9233	3	17	150
6.0000E+07	3.0222E-02	6.2000E+07	2.8892E-02	6.4000E+07	2.7253E-02	9233	3	17	151
6.6000E+07	2.5694E-02	6.8000E+07	2.4209E-02	7.0000E+07	2.2892E-02	9233	3	17	152
7.2000E+07	2.1538E-02	7.4000E+07	2.0340E-02	7.6000E+07	1.9194E-02	9233	3	17	153
7.8000E+07	1.8098E-02	8.0000E+07	1.6946E-02	8.5000E+07	1.4571E-02	9233	3	17	154
9.0000E+07	1.2314E-02	9.5000E+07	1.0439E-02	1.0000E+08	8.6500E-03	9233	3	17	155
						9233	3	0	156
9.2233E+04	2.3300E+02	0	0	0		09233	3	18	157
2.0005E+08	2.0005E+08	0	0	1		1359233	3	18	158
135	2					9233	3	18	159
1.0000E+05	2.2300E+00	1.2000E+05	2.1860E+00	1.4000E+05	2.1440E+00	9233	3	18	160
1.5577E+05	2.1280E+00	1.6000E+05	2.1230E+00	1.8000E+05	2.1260E+00	9233	3	18	161
2.0000E+05	2.1370E+00	2.2000E+05	2.1570E+00	2.2899E+05	2.1640E+00	9233	3	18	162
2.4000E+05	2.1730E+00	2.6000E+05	2.1730E+00	2.8000E+05	2.1580E+00	9233	3	18	163
2.9929E+05	2.1250E+00	3.0000E+05	2.1250E+00	3.1235E+05	2.1160E+00	9233	3	18	164
3.1938E+05	2.1120E+00	3.2000E+05	2.1120E+00	3.2209E+05	2.1110E+00	9233	3	18	165
3.4000E+05	2.1050E+00	3.4197E+05	2.1040E+00	3.5523E+05	2.0970E+00	9233	3	18	166
3.6000E+05	2.0950E+00	3.8000E+05	2.0760E+00	3.9912E+05	2.0630E+00	9233	3	18	167
4.0000E+05	2.0620E+00	4.1758E+05	2.0410E+00	4.2000E+05	2.0380E+00	9233	3	18	168
4.2684E+05	2.0290E+00	4.4000E+05	2.0130E+00	4.6000E+05	1.9880E+00	9233	3	18	169
4.8000E+05	1.9600E+00	5.0000E+05	1.9380E+00	5.0568E+05	1.9340E+00	9233	3	18	170
5.4897E+05	1.9010E+00	5.5000E+05	1.9000E+00	5.6745E+05	1.8980E+00	9233	3	18	171

5.9958E+05	1.8930E+00	6.5000E+05	1.8930E+00	7.0000E+05	1.8850E+009233	3	18	172
7.5000E+05	1.8630E+00	8.0000E+05	1.8430E+00	8.5000E+05	1.8310E+009233	3	18	173
9.0000E+05	1.8260E+00	1.0000E+06	1.8260E+00	1.1000E+06	1.8300E+009233	3	18	174
1.2000E+06	1.8370E+00	1.3000E+06	1.8550E+00	1.4000E+06	1.8580E+009233	3	18	175
1.5000E+06	1.8600E+00	1.6000E+06	1.8740E+00	2.0000E+06	1.9260E+009233	3	18	176
2.2000E+06	1.9100E+00	2.4000E+06	1.8900E+00	2.6000E+06	1.8680E+009233	3	18	177
2.8000E+06	1.8400E+00	3.0000E+06	1.8040E+00	3.2000E+06	1.7680E+009233	3	18	178
3.4000E+06	1.7360E+00	3.6000E+06	1.7120E+00	3.8000E+06	1.6820E+009233	3	18	179
4.0000E+06	1.6560E+00	4.2000E+06	1.6320E+00	4.4000E+06	1.6070E+009233	3	18	180
4.6000E+06	1.5840E+00	4.8000E+06	1.5600E+00	5.0000E+06	1.5380E+009233	3	18	181
5.5000E+06	1.4910E+00	5.7690E+06	1.5770E+00	6.0000E+06	1.6500E+009233	3	18	182
6.5000E+06	1.9240E+00	7.0000E+06	2.0750E+00	7.5000E+06	2.1750E+009233	3	18	183
8.0000E+06	2.2100E+00	8.5000E+06	2.2050E+00	9.0000E+06	2.1850E+009233	3	18	184
9.5000E+06	2.1750E+00	1.0000E+07	2.1700E+00	1.1500E+07	2.1400E+009233	3	18	185
1.2000E+07	2.1500E+00	1.2500E+07	2.1800E+00	1.3000E+07	2.2200E+009233	3	18	186
1.3064E+07	2.2240E+00	1.3500E+07	2.2500E+00	1.4000E+07	2.2650E+009233	3	18	187
1.4500E+07	2.2750E+00	1.5000E+07	2.2800E+00	1.6000E+07	2.2750E+009233	3	18	188
1.7000E+07	2.2400E+00	1.8000E+07	2.1900E+00	1.9000E+07	2.1350E+009233	3	18	189
2.0000E+07	2.0600E+00	2.1000E+07	2.0214E+00	2.2000E+07	2.0218E+009233	3	18	190
2.3000E+07	2.0193E+00	2.4000E+07	2.0207E+00	2.5000E+07	2.0263E+009233	3	18	191
2.6000E+07	2.0324E+00	2.7000E+07	2.0389E+00	2.8000E+07	2.0385E+009233	3	18	192
2.9000E+07	2.0335E+00	3.0000E+07	2.0259E+00	3.1000E+07	2.0184E+009233	3	18	193
3.2000E+07	2.0142E+00	3.3000E+07	2.0090E+00	3.4000E+07	2.0040E+009233	3	18	194
3.5000E+07	1.9983E+00	3.6000E+07	1.9904E+00	3.7000E+07	1.9822E+009233	3	18	195
3.8000E+07	1.9729E+00	3.9000E+07	1.9640E+00	4.0000E+07	1.9557E+009233	3	18	196
4.2000E+07	1.9489E+00	4.4000E+07	1.9348E+00	4.6000E+07	1.9152E+009233	3	18	197
4.8000E+07	1.8972E+00	5.0000E+07	1.8832E+00	5.2000E+07	1.8697E+009233	3	18	198
5.4000E+07	1.8556E+00	5.6000E+07	1.8416E+00	5.8000E+07	1.8274E+009233	3	18	199
6.0000E+07	1.8185E+00	6.2000E+07	1.8079E+00	6.4000E+07	1.7956E+009233	3	18	200
6.6000E+07	1.7841E+00	6.8000E+07	1.7729E+00	7.0000E+07	1.7620E+009233	3	18	201
7.2000E+07	1.7515E+00	7.4000E+07	1.7406E+00	7.6000E+07	1.7308E+009233	3	18	202
7.8000E+07	1.7207E+00	8.0000E+07	1.7115E+00	8.5000E+07	1.6870E+009233	3	18	203
9.0000E+07	1.6651E+00	9.5000E+07	1.6431E+00	1.0000E+08	1.6223E+009233	3	18	204
					9233	3	0	205
9.2233E+04	2.3300E+02	0	0	0	09233	3	37	206
-1.8907E+07	-1.8907E+07	0	0	1	469233	3	37	207
	46	2			9233	3	37	208
1.8989E+07	0.0000E+00	2.0000E+07	2.9200E-05	2.1000E+07	7.2600E-049233	3	37	209
2.2000E+07	3.2300E-03	2.3000E+07	6.9000E-03	2.4000E+07	1.0200E-029233	3	37	210
2.5000E+07	1.3000E-02	2.6000E+07	1.5400E-02	2.7000E+07	1.7000E-029233	3	37	211
2.8000E+07	1.7800E-02	2.9000E+07	1.7400E-02	3.0000E+07	1.6100E-029233	3	37	212
3.1000E+07	1.4400E-02	3.2000E+07	1.2800E-02	3.3000E+07	1.1200E-029233	3	37	213
3.4000E+07	9.8700E-03	3.5000E+07	8.7400E-03	3.6000E+07	7.8700E-039233	3	37	214
3.7000E+07	7.0800E-03	3.8000E+07	6.4000E-03	3.9000E+07	5.9100E-039233	3	37	215
4.0000E+07	5.4167E-03	4.2000E+07	4.4300E-03	4.4000E+07	3.9300E-039233	3	37	216
4.6000E+07	3.5400E-03	4.8000E+07	3.2500E-03	5.0000E+07	3.0000E-039233	3	37	217
5.2000E+07	2.8000E-03	5.4000E+07	2.6200E-03	5.6000E+07	2.4900E-039233	3	37	218
5.8000E+07	2.3800E-03	6.0000E+07	2.2900E-03	6.2000E+07	2.2200E-039233	3	37	219
6.4000E+07	2.1400E-03	6.6000E+07	2.0800E-03	6.8000E+07	2.0100E-039233	3	37	220
7.0000E+07	1.9700E-03	7.2000E+07	1.9100E-03	7.4000E+07	1.8600E-039233	3	37	221
7.6000E+07	1.8200E-03	7.8000E+07	1.7900E-03	8.0000E+07	1.7300E-039233	3	37	222
8.5000E+07	1.6600E-03	9.0000E+07	1.5800E-03	9.5000E+07	1.5200E-039233	3	37	223
1.0000E+08	1.4600E-03				9233	3	37	224
					9233	3	0	225
9.2233E+04	2.3300E+02	0	0	0	09233	3103	226	
2.1007E+05	2.1007E+05	0	0	1	599233	3103	227	
	59	2			9233	3103	228	
1.0000E-05	0.0000E+00	7.0000E+06	4.0600E-05	8.0000E+06	1.6800E-049233	3103	229	
9.0000E+06	4.9600E-04	1.0000E+07	1.2000E-03	1.1000E+07	2.1900E-039233	3103	230	
1.2000E+07	3.9900E-03	1.3000E+07	6.3500E-03	1.4000E+07	7.9300E-039233	3103	231	
1.5000E+07	1.1400E-02	1.6000E+07	1.5800E-02	1.7000E+07	2.0700E-029233	3103	232	
1.8000E+07	2.3200E-02	1.9000E+07	2.7300E-02	2.0000E+07	3.1400E-029233	3103	233	
2.1000E+07	3.3800E-02	2.2000E+07	3.4300E-02	2.3000E+07	3.5900E-029233	3103	234	
2.4000E+07	3.7500E-02	2.5000E+07	3.9300E-02	2.6000E+07	4.1600E-029233	3103	235	
2.7000E+07	4.1800E-02	2.8000E+07	4.2000E-02	2.9000E+07	4.2000E-029233	3103	236	
3.0000E+07	4.1900E-02	3.1000E+07	4.1900E-02	3.2000E+07	4.1800E-029233	3103	237	
3.3000E+07	4.2100E-02	3.4000E+07	4.2200E-02	3.5000E+07	4.1700E-029233	3103	238	

3.6000E+07	4.1300E-02	3.7000E+07	4.0600E-02	3.8000E+07	4.0200E-02	9233	3103	239
3.9000E+07	3.9600E-02	4.0000E+07	3.9267E-02	4.2000E+07	3.8600E-02	9233	3103	240
4.4000E+07	3.7500E-02	4.6000E+07	3.6300E-02	4.8000E+07	3.5500E-02	9233	3103	241
5.0000E+07	3.4500E-02	5.2000E+07	3.3700E-02	5.4000E+07	3.2800E-02	9233	3103	242
5.6000E+07	3.1900E-02	5.8000E+07	3.1100E-02	6.0000E+07	3.0200E-02	9233	3103	243
6.2000E+07	2.9400E-02	6.4000E+07	2.8500E-02	6.6000E+07	2.7800E-02	9233	3103	244
6.8000E+07	2.7000E-02	7.0000E+07	2.6300E-02	7.2000E+07	2.5600E-02	9233	3103	245
7.4000E+07	2.4900E-02	7.6000E+07	2.4200E-02	7.8000E+07	2.3500E-02	9233	3103	246
8.0000E+07	2.2900E-02	8.5000E+07	2.1500E-02	9.0000E+07	2.0200E-02	9233	3103	247
9.5000E+07	1.9000E-02	1.0000E+08	1.8000E-02			9233	3103	248
						9233	3 0	249
9.2233E+04	2.3300E+02	0	0	0		09233	3111	250
-5.0393E+06	-5.0393E+06	0	0	1		469233	3111	251
	46	2				9233	3111	252
5.0609E+06	0.0000E+00	2.0000E+07	3.7900E-06	2.1000E+07	1.3300E-05	9233	3111	253
2.2000E+07	3.2000E-05	2.3000E+07	7.0500E-05	2.4000E+07	1.3400E-04	9233	3111	254
2.5000E+07	2.2500E-04	2.6000E+07	3.3700E-04	2.7000E+07	4.3900E-04	9233	3111	255
2.8000E+07	5.9600E-04	2.9000E+07	7.7200E-04	3.0000E+07	9.6800E-04	9233	3111	256
3.1000E+07	1.1900E-03	3.2000E+07	1.3500E-03	3.3000E+07	1.6100E-03	9233	3111	257
3.4000E+07	1.8800E-03	3.5000E+07	2.1600E-03	3.6000E+07	2.4400E-03	9233	3111	258
3.7000E+07	2.6400E-03	3.8000E+07	2.9400E-03	3.9000E+07	3.2300E-03	9233	3111	259
4.0000E+07	3.5333E-03	4.2000E+07	4.1400E-03	4.4000E+07	4.5500E-03	9233	3111	260
4.6000E+07	4.9300E-03	4.8000E+07	5.2300E-03	5.0000E+07	5.3300E-03	9233	3111	261
5.2000E+07	5.4900E-03	5.4000E+07	5.6200E-03	5.6000E+07	5.7200E-03	9233	3111	262
5.8000E+07	5.8200E-03	6.0000E+07	5.9200E-03	6.2000E+07	5.9700E-03	9233	3111	263
6.4000E+07	6.0200E-03	6.6000E+07	6.0400E-03	6.8000E+07	6.1200E-03	9233	3111	264
7.0000E+07	6.1500E-03	7.2000E+07	6.1900E-03	7.4000E+07	6.2200E-03	9233	3111	265
7.6000E+07	6.2600E-03	7.8000E+07	6.2600E-03	8.0000E+07	6.2600E-03	9233	3111	266
8.5000E+07	6.2100E-03	9.0000E+07	6.2200E-03	9.5000E+07	6.2500E-03	9233	3111	267
1.0000E+08	6.2100E-03					9233	3111	268
						9233	3 0	269
9.2233E+04	2.3300E+02	0	0	0		09233	3121	270
-2.6573E+07	-2.6573E+07	0	0	1		389233	3121	271
	38	2				9233	3121	272
2.6687E+07	0.0000E+00	2.8000E+07	9.2100E-08	2.9000E+07	3.3400E-06	9233	3121	273
3.0000E+07	2.4300E-05	3.1000E+07	8.2300E-05	3.2000E+07	1.7900E-04	9233	3121	274
3.3000E+07	3.0500E-04	3.4000E+07	4.4400E-04	3.5000E+07	5.7400E-04	9233	3121	275
3.6000E+07	6.7800E-04	3.7000E+07	7.5400E-04	3.8000E+07	7.9500E-04	9233	3121	276
3.9000E+07	7.9800E-04	4.0000E+07	7.5367E-04	4.2000E+07	6.6500E-04	9233	3121	277
4.4000E+07	5.5500E-04	4.6000E+07	4.5300E-04	4.8000E+07	3.7700E-04	9233	3121	278
5.0000E+07	3.2200E-04	5.2000E+07	2.8000E-04	5.4000E+07	2.5000E-04	9233	3121	279
5.6000E+07	2.2400E-04	5.8000E+07	2.0300E-04	6.0000E+07	1.8800E-04	9233	3121	280
6.2000E+07	1.7700E-04	6.4000E+07	1.6600E-04	6.6000E+07	1.5600E-04	9233	3121	281
6.8000E+07	1.4700E-04	7.0000E+07	1.3900E-04	7.2000E+07	1.3200E-04	9233	3121	282
7.4000E+07	1.2600E-04	7.6000E+07	1.2100E-04	7.8000E+07	1.1700E-04	9233	3121	283
8.0000E+07	1.1300E-04	8.5000E+07	1.0500E-04	9.0000E+07	9.7700E-05	9233	3121	284
9.5000E+07	9.2200E-05	1.0000E+08	8.7500E-05			9233	3121	285
						9233	3 0	286
9.2233E+04	2.3300E+02	0	0	0		09233	3122	287
-3.2665E+07	-3.2665E+07	0	0	1		329233	3122	288
	32	2				9233	3122	289
3.2805E+07	0.0000E+00	3.4000E+07	1.9400E-11	3.5000E+07	4.3200E-09	9233	3122	290
3.6000E+07	6.1900E-08	3.7000E+07	3.5700E-07	3.8000E+07	1.2600E-06	9233	3122	291
3.9000E+07	2.9100E-06	4.0000E+07	5.4400E-06	4.2000E+07	1.0500E-05	9233	3122	292
4.4000E+07	1.5300E-05	4.6000E+07	1.7900E-05	4.8000E+07	1.8000E-05	9233	3122	293
5.0000E+07	1.6500E-05	5.2000E+07	1.4300E-05	5.4000E+07	1.2400E-05	9233	3122	294
5.6000E+07	1.0600E-05	5.8000E+07	9.0900E-06	6.0000E+07	8.0600E-06	9233	3122	295
6.2000E+07	7.2100E-06	6.4000E+07	6.4700E-06	6.6000E+07	5.8600E-06	9233	3122	296
6.8000E+07	5.3700E-06	7.0000E+07	5.0200E-06	7.2000E+07	4.7200E-06	9233	3122	297
7.4000E+07	4.4800E-06	7.6000E+07	4.2600E-06	7.8000E+07	4.0800E-06	9233	3122	298
8.0000E+07	3.8300E-06	8.5000E+07	3.3100E-06	9.0000E+07	3.0000E-06	9233	3122	299
9.5000E+07	2.7800E-06	1.0000E+08	2.5800E-06			9233	3122	300
						9233	3 0	301
9.2233E+04	2.3300E+02	0	0	0		09233	3123	302
-4.0395E+07	-4.0395E+07	0	0	1		259233	3123	303
	25	2				9233	3123	304
4.0569E+07	0.0000E+00	4.2000E+07	6.5600E-14	4.4000E+07	1.0500E-10	9233	3123	305

4.6000E+07	3.1200E-09	4.8000E+07	1.7400E-08	5.0000E+07	5.2900E-08	9233	3123	306
5.2000E+07	1.0500E-07	5.4000E+07	1.5600E-07	5.6000E+07	1.9600E-07	9233	3123	307
5.8000E+07	2.1300E-07	6.0000E+07	2.1200E-07	6.2000E+07	1.9900E-07	9233	3123	308
6.4000E+07	1.8100E-07	6.6000E+07	1.6200E-07	6.8000E+07	1.4400E-07	9233	3123	309
7.0000E+07	1.2800E-07	7.2000E+07	1.1300E-07	7.4000E+07	1.0100E-07	9233	3123	310
7.6000E+07	9.2100E-08	7.8000E+07	8.4700E-08	8.0000E+07	7.7600E-08	9233	3123	311
8.5000E+07	6.7200E-08	9.0000E+07	6.0400E-08	9.5000E+07	5.5200E-08	9233	3123	312
1.0000E+08	5.1200E-08					9233	3123	313
						9233	3	0
9.2233E+04	2.3300E+02	0	0	0		09233	3124	315
-4.6773E+07	-4.6773E+07	0	0	1		219233	3124	316
	21	2				9233	3124	317
4.6974E+07	0.0000E+00	5.0000E+07	1.3300E-14	5.2000E+07	1.9600E-12	9233	3124	318
5.4000E+07	2.4300E-11	5.6000E+07	1.3800E-10	5.8000E+07	4.2100E-10	9233	3124	319
6.0000E+07	8.0000E-10	6.2000E+07	1.2600E-09	6.4000E+07	1.6900E-09	9233	3124	320
6.6000E+07	2.0000E-09	6.8000E+07	2.1900E-09	7.0000E+07	2.2200E-09	9233	3124	321
7.2000E+07	2.1600E-09	7.4000E+07	2.0300E-09	7.6000E+07	1.9000E-09	9233	3124	322
7.8000E+07	1.7400E-09	8.0000E+07	1.5700E-09	8.5000E+07	1.2400E-09	9233	3124	323
9.0000E+07	1.0300E-09	9.5000E+07	8.8300E-10	1.0000E+08	7.9200E-10	9233	3	0
9.2233E+04	2.3300E+02	0	0	0		09233	3125	326
-5.4374E+07	-5.4374E+07	0	0	1		179233	3125	327
	17	2				9233	3125	328
5.4608E+07	0.0000E+00	5.8000E+07	1.0800E-17	6.0000E+07	9.2400E-16	9233	3125	329
6.2000E+07	2.0900E-14	6.4000E+07	1.6000E-13	6.6000E+07	6.6300E-13	9233	3125	330
6.8000E+07	1.8400E-12	7.0000E+07	3.5700E-12	7.2000E+07	5.7000E-12	9233	3125	331
7.4000E+07	7.7500E-12	7.6000E+07	9.0900E-12	7.8000E+07	1.0000E-11	9233	3125	332
8.0000E+07	1.0400E-11	8.5000E+07	9.5800E-12	9.0000E+07	8.0600E-12	9233	3125	333
9.5000E+07	6.7500E-12	1.0000E+08	5.6700E-12			9233	3125	334
						9233	3	0
9.2233E+04	2.3300E+02	0	0	0		09233	3126	336
-6.0378E+07	-6.0378E+07	0	0	1		149233	3126	337
	14	2				9233	3126	338
6.0638E+07	0.0000E+00	6.4000E+07	1.0500E-21	6.6000E+07	3.4000E-19	9233	3126	339
6.8000E+07	1.2200E-17	7.0000E+07	1.2900E-16	7.2000E+07	7.2400E-16	9233	3126	340
7.4000E+07	2.5500E-15	7.6000E+07	6.0700E-15	7.8000E+07	1.1800E-14	9233	3126	341
8.0000E+07	2.0700E-14	8.5000E+07	4.0100E-14	9.0000E+07	4.8600E-14	9233	3126	342
9.5000E+07	4.7000E-14	1.0000E+08	4.1600E-14			9233	3126	343
						9233	3	0
9.2233E+04	2.3300E+02	0	0	0		09233	3153	345
-4.0839E+06	-4.0839E+06	0	0	1		539233	3153	346
	53	2				9233	3153	347
4.1014E+06	0.0000E+00	1.3000E+07	6.5100E-04	1.4000E+07	1.4500E-03	9233	3153	348
1.5000E+07	2.4500E-03	1.6000E+07	3.8000E-03	1.7000E+07	5.5300E-03	9233	3153	349
1.8000E+07	6.4600E-03	1.9000E+07	9.2300E-03	2.0000E+07	1.2000E-02	9233	3153	350
2.1000E+07	1.5800E-02	2.2000E+07	1.8300E-02	2.3000E+07	2.2600E-02	9233	3153	351
2.4000E+07	2.7700E-02	2.5000E+07	3.2800E-02	2.6000E+07	3.7000E-02	9233	3153	352
2.7000E+07	3.9700E-02	2.8000E+07	4.3900E-02	2.9000E+07	4.7300E-02	9233	3153	353
3.0000E+07	4.9800E-02	3.1000E+07	5.1900E-02	3.2000E+07	5.2900E-02	9233	3153	354
3.3000E+07	5.4500E-02	3.4000E+07	5.5000E-02	3.5000E+07	5.5200E-02	9233	3153	355
3.6000E+07	5.4900E-02	3.7000E+07	5.3900E-02	3.8000E+07	5.3800E-02	9233	3153	356
3.9000E+07	5.3600E-02	4.0000E+07	5.3400E-02	4.2000E+07	5.3000E-02	9233	3153	357
4.4000E+07	5.2100E-02	4.6000E+07	5.1900E-02	4.8000E+07	5.2000E-02	9233	3153	358
5.0000E+07	5.1600E-02	5.2000E+07	5.1200E-02	5.4000E+07	5.0800E-02	9233	3153	359
5.6000E+07	5.0100E-02	5.8000E+07	4.9600E-02	6.0000E+07	4.9100E-02	9233	3153	360
6.2000E+07	4.8700E-02	6.4000E+07	4.8300E-02	6.6000E+07	4.7700E-02	9233	3153	361
6.8000E+07	4.7400E-02	7.0000E+07	4.7200E-02	7.2000E+07	4.6900E-02	9233	3153	362
7.4000E+07	4.6200E-02	7.6000E+07	4.5700E-02	7.8000E+07	4.5200E-02	9233	3153	363
8.0000E+07	4.4800E-02	8.5000E+07	4.3700E-02	9.0000E+07	4.2600E-02	9233	3153	364
9.5000E+07	4.1800E-02	1.0000E+08	4.0800E-02			9233	3153	365
						9233	3	0
9.2233E+04	2.3300E+02	0	0	0		09233	3154	367
-9.6447E+06	-9.6447E+06	0	0	1		499233	3154	368
	49	2				9233	3154	369
9.6861E+06	0.0000E+00	1.7000E+07	3.5700E-10	1.8000E+07	2.0600E-09	9233	3154	370
1.9000E+07	2.4910E-06	2.0000E+07	4.9800E-06	2.1000E+07	3.0200E-05	9233	3154	371
2.2000E+07	1.1000E-04	2.3000E+07	3.1900E-04	2.4000E+07	7.7900E-04	9233	3154	372

2.5000E+07	1.5300E-03	2.6000E+07	2.4600E-03	2.7000E+07	4.0600E-03	9233	3154	373
2.8000E+07	6.2300E-03	2.9000E+07	8.7700E-03	3.0000E+07	1.1700E-02	9233	3154	374
3.1000E+07	1.4700E-02	3.2000E+07	1.7900E-02	3.3000E+07	2.1300E-02	9233	3154	375
3.4000E+07	2.4900E-02	3.5000E+07	2.9000E-02	3.6000E+07	3.2100E-02	9233	3154	376
3.7000E+07	3.4500E-02	3.8000E+07	3.6800E-02	3.9000E+07	3.8700E-02	9233	3154	377
4.0000E+07	3.9300E-02	4.2000E+07	4.0500E-02	4.4000E+07	4.1900E-02	9233	3154	378
4.6000E+07	4.2400E-02	4.8000E+07	4.2800E-02	5.0000E+07	4.2000E-02	9233	3154	379
5.2000E+07	4.0600E-02	5.4000E+07	3.9500E-02	5.6000E+07	3.8400E-02	9233	3154	380
5.8000E+07	3.7600E-02	6.0000E+07	3.6900E-02	6.2000E+07	3.5900E-02	9233	3154	381
6.4000E+07	3.5500E-02	6.6000E+07	3.5000E-02	6.8000E+07	3.4500E-02	9233	3154	382
7.0000E+07	3.3900E-02	7.2000E+07	3.3400E-02	7.4000E+07	3.3400E-02	9233	3154	383
7.6000E+07	3.2900E-02	7.8000E+07	3.2800E-02	8.0000E+07	3.2100E-02	9233	3154	384
8.5000E+07	3.1400E-02	9.0000E+07	3.0700E-02	9.5000E+07	2.9900E-02	9233	3154	385
1.0000E+08	2.9300E-02					9233	3154	386
						9233	3	0
9.2233E+04	2.3300E+02	0	0	0		09233	3155	388
-1.6459E+07	-1.6459E+07	0	0	1		429233	3155	389
42	2					9233	3155	390
1.6529E+07	0.0000E+00	2.4000E+07	3.4300E-10	2.5000E+07	3.6900E-09	9233	3155	391
2.6000E+07	2.7900E-08	2.7000E+07	6.7900E-07	2.8000E+07	5.8800E-06	9233	3155	392
2.9000E+07	2.6500E-05	3.0000E+07	9.3700E-05	3.1000E+07	2.6200E-04	9233	3155	393
3.2000E+07	5.9400E-04	3.3000E+07	1.1500E-03	3.4000E+07	2.0700E-03	9233	3155	394
3.5000E+07	3.3300E-03	3.6000E+07	4.8100E-03	3.7000E+07	6.5400E-03	9233	3155	395
3.8000E+07	8.4400E-03	3.9000E+07	1.0400E-02	4.0000E+07	1.2533E-02	9233	3155	396
4.2000E+07	1.6800E-02	4.4000E+07	1.9900E-02	4.6000E+07	2.2600E-02	9233	3155	397
4.8000E+07	2.4500E-02	5.0000E+07	2.6900E-02	5.2000E+07	2.9300E-02	9233	3155	398
5.4000E+07	3.1100E-02	5.6000E+07	3.2300E-02	5.8000E+07	3.3200E-02	9233	3155	399
6.0000E+07	3.3700E-02	6.2000E+07	3.3600E-02	6.4000E+07	3.2900E-02	9233	3155	400
6.6000E+07	3.1800E-02	6.8000E+07	3.0900E-02	7.0000E+07	2.9800E-02	9233	3155	401
7.2000E+07	2.8700E-02	7.4000E+07	2.7900E-02	7.6000E+07	2.6000E-02	9233	3155	402
7.8000E+07	2.5400E-02	8.0000E+07	2.4900E-02	8.5000E+07	2.3800E-02	9233	3155	403
9.0000E+07	2.3000E-02	9.5000E+07	2.2200E-02	1.0000E+08	2.1400E-02	9233	3	0
9.2233E+04	2.3300E+02	0	0	0		09233	3156	406
-2.2252E+07	-2.2252E+07	0	0	1		379233	3156	407
37	2					9233	3156	408
2.2347E+07	0.0000E+00	2.9000E+07	1.0700E-13	3.0000E+07	7.7700E-11	9233	3156	409
3.1000E+07	1.3600E-09	3.2000E+07	9.7400E-09	3.3000E+07	9.6800E-08	9233	3156	410
3.4000E+07	9.4200E-07	3.5000E+07	5.4100E-06	3.6000E+07	2.0400E-05	9233	3156	411
3.7000E+07	6.1300E-05	3.8000E+07	1.5700E-04	3.9000E+07	3.4200E-04	9233	3156	412
4.0000E+07	8.4133E-04	4.2000E+07	1.8400E-03	4.4000E+07	3.6700E-03	9233	3156	413
4.6000E+07	6.0100E-03	4.8000E+07	8.4100E-03	5.0000E+07	1.0700E-02	9233	3156	414
5.2000E+07	1.2600E-02	5.4000E+07	1.4100E-02	5.6000E+07	1.5400E-02	9233	3156	415
5.8000E+07	1.6500E-02	6.0000E+07	1.7500E-02	6.2000E+07	1.8500E-02	9233	3156	416
6.4000E+07	1.9300E-02	6.6000E+07	2.0200E-02	6.8000E+07	2.0800E-02	9233	3156	417
7.0000E+07	2.1500E-02	7.2000E+07	2.2000E-02	7.4000E+07	2.2200E-02	9233	3156	418
7.6000E+07	2.2400E-02	7.8000E+07	2.2200E-02	8.0000E+07	2.1800E-02	9233	3156	419
8.5000E+07	2.0400E-02	9.0000E+07	1.8700E-02	9.5000E+07	1.7400E-02	9233	3156	420
1.0000E+08	1.6500E-02					9233	3156	421
						9233	3	0
9.2233E+04	2.3300E+02	0	0	0		09233	3157	423
-2.9307E+07	-2.9307E+07	0	0	1		309233	3157	424
30	2					9233	3157	425
2.9432E+07	0.0000E+00	3.6000E+07	8.3900E-16	3.7000E+07	3.2700E-12	9233	3157	426
3.8000E+07	1.1700E-10	3.9000E+07	1.2300E-09	4.0000E+07	1.6882E-07	9233	3157	427
4.2000E+07	5.0400E-07	4.4000E+07	7.9000E-06	4.6000E+07	5.8300E-05	9233	3157	428
4.8000E+07	2.4800E-04	5.0000E+07	7.0300E-04	5.2000E+07	1.5300E-03	9233	3157	429
5.4000E+07	2.6200E-03	5.6000E+07	3.8900E-03	5.8000E+07	5.1500E-03	9233	3157	430
6.0000E+07	6.2200E-03	6.2000E+07	7.0800E-03	6.4000E+07	7.7600E-03	9233	3157	431
6.6000E+07	8.2800E-03	6.8000E+07	8.7100E-03	7.0000E+07	9.0900E-03	9233	3157	432
7.2000E+07	9.4400E-03	7.4000E+07	9.7300E-03	7.6000E+07	1.0000E-02	9233	3157	433
7.8000E+07	1.0300E-02	8.0000E+07	1.0600E-02	8.5000E+07	1.1200E-02	9233	3157	434
9.0000E+07	1.1600E-02	9.5000E+07	1.1500E-02	1.0000E+08	1.0900E-02	9233	3	0
9.2233E+04	2.3300E+02	0	0	0		09233	3158	437
-3.5340E+07	-3.5340E+07	0	0	1		249233	3158	438
24	2					9233	3158	439

3.5492E+07	0.0000E+00	4.4000E+07	1.6500E-12	4.6000E+07	3.3600E-109233	3158	440
4.8000E+07	1.5300E-08	5.0000E+07	3.3900E-07	5.2000E+07	3.6700E-069233	3158	441
5.4000E+07	2.0800E-05	5.6000E+07	7.9800E-05	5.8000E+07	2.2000E-049233	3158	442
6.0000E+07	4.7000E-04	6.2000E+07	8.1500E-04	6.4000E+07	1.2300E-039233	3158	443
6.6000E+07	1.6500E-03	6.8000E+07	2.0300E-03	7.0000E+07	2.3400E-039233	3158	444
7.2000E+07	2.5800E-03	7.4000E+07	2.7500E-03	7.6000E+07	2.9000E-039233	3158	445
7.8000E+07	3.0200E-03	8.0000E+07	3.1300E-03	8.5000E+07	3.3500E-039233	3158	446
9.0000E+07	3.5800E-03	9.5000E+07	3.7300E-03	1.0000E+08	3.9600E-039233	3158	447
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3159	449
-4.2609E+07	-4.2609E+07	0	0	1	209233	3159	450
20	2				9233	3159	451
4.2792E+07	0.0000E+00	5.2000E+07	1.2800E-12	5.4000E+07	9.5800E-119233	3159	452
5.6000E+07	3.0400E-09	5.8000E+07	5.6000E-08	6.0000E+07	6.0900E-079233	3159	453
6.2000E+07	3.5900E-06	6.4000E+07	1.5700E-05	6.6000E+07	4.6500E-059233	3159	454
6.8000E+07	1.0600E-04	7.0000E+07	1.9900E-04	7.2000E+07	3.1700E-049233	3159	455
7.4000E+07	4.4400E-04	7.6000E+07	5.8900E-04	7.8000E+07	7.0800E-049233	3159	456
8.0000E+07	8.1000E-04	8.5000E+07	9.5600E-04	9.0000E+07	1.0400E-039233	3159	457
9.5000E+07	1.1100E-03	1.0000E+08	1.1700E-03		9233	3159	458
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3160	460
-4.8972E+07	-4.8972E+07	0	0	1	179233	3160	461
17	2				9233	3160	462
4.9182E+07	0.0000E+00	5.8000E+07	4.1200E-16	6.0000E+07	1.1800E-139233	3160	463
6.2000E+07	5.6800E-12	6.4000E+07	1.7100E-10	6.6000E+07	2.4600E-099233	3160	464
6.8000E+07	2.0700E-08	7.0000E+07	1.1000E-07	7.2000E+07	4.0900E-079233	3160	465
7.4000E+07	1.1000E-06	7.6000E+07	2.7000E-06	7.8000E+07	5.1700E-069233	3160	466
8.0000E+07	8.7200E-06	8.5000E+07	1.9500E-05	9.0000E+07	2.8400E-059233	3160	467
9.5000E+07	3.3200E-05	1.0000E+08	3.5000E-05		9233	3160	468
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3161	470
-5.6109E+07	-5.6109E+07	0	0	1	129233	3161	471
12	2				9233	3161	472
5.6350E+07	0.0000E+00	6.8000E+07	4.2500E-16	7.0000E+07	2.5300E-149233	3161	473
7.2000E+07	6.6200E-13	7.4000E+07	8.6100E-12	7.6000E+07	8.8100E-119233	3161	474
7.8000E+07	5.3100E-10	8.0000E+07	2.3100E-09	8.5000E+07	3.0800E-089233	3161	475
9.0000E+07	1.3800E-07	9.5000E+07	3.0600E-07	1.0000E+08	4.5300E-079233	3161	476
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3162	478
-6.1893E+07	-6.1893E+07	0	0	1	109233	3162	479
10	2				9233	3162	480
6.2159E+07	0.0000E+00	7.2000E+07	1.6400E-23	7.4000E+07	4.0800E-209233	3162	481
7.6000E+07	6.3100E-18	7.8000E+07	2.6900E-16	8.0000E+07	5.2200E-159233	3162	482
8.5000E+07	1.4800E-12	9.0000E+07	4.6800E-11	9.5000E+07	3.8800E-109233	3162	483
1.0000E+08	1.3900E-09				9233	3162	484
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3174	486
-9.2513E+06	-9.2513E+06	0	0	1	409233	3174	487
40	2				9233	3174	488
9.2910E+06	0.0000E+00	2.6000E+07	5.7000E-13	2.7000E+07	4.9300E-129233	3174	489
2.8000E+07	2.6600E-11	2.9000E+07	9.8000E-11	3.0000E+07	2.9200E-109233	3174	490
3.1000E+07	1.1700E-09	3.2000E+07	1.3600E-08	3.3000E+07	6.3800E-089233	3174	491
3.4000E+07	1.9500E-07	3.5000E+07	4.6800E-07	3.6000E+07	1.0600E-069233	3174	492
3.7000E+07	2.3000E-06	3.8000E+07	4.9400E-06	3.9000E+07	9.1700E-069233	3174	493
4.0000E+07	4.5447E-05	4.2000E+07	1.1800E-04	4.4000E+07	2.6800E-049233	3174	494
4.6000E+07	5.4200E-04	4.8000E+07	9.2200E-04	5.0000E+07	1.4100E-039233	3174	495
5.2000E+07	1.8700E-03	5.4000E+07	2.3100E-03	5.6000E+07	2.6600E-039233	3174	496
5.8000E+07	2.9200E-03	6.0000E+07	3.1200E-03	6.2000E+07	3.2300E-039233	3174	497
6.4000E+07	3.2900E-03	6.6000E+07	3.3400E-03	6.8000E+07	3.3700E-039233	3174	498
7.0000E+07	3.4200E-03	7.2000E+07	3.4300E-03	7.4000E+07	3.4100E-039233	3174	499
7.6000E+07	3.3800E-03	7.8000E+07	3.3900E-03	8.0000E+07	3.3900E-039233	3174	500
8.5000E+07	3.3900E-03	9.0000E+07	3.3400E-03	9.5000E+07	3.3100E-039233	3174	501
1.0000E+08	3.3400E-03				9233	3174	502
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3175	504
1.1700E+07	1.1700E+07	0	0	1	629233	3175	505
62	2				9233	3175	506

1.0000E-05	0.0000E+00	4.0000E+06	6.0700E-09	5.0000E+06	6.9100E-089233	3175	507
6.0000E+06	3.6300E-07	7.0000E+06	1.4700E-06	8.0000E+06	5.0600E-069233	3175	508
9.0000E+06	1.5400E-05	1.0000E+07	4.2400E-05	1.1000E+07	1.0500E-049233	3175	509
1.2000E+07	2.2800E-04	1.3000E+07	4.3000E-04	1.4000E+07	7.2800E-049233	3175	510
1.5000E+07	1.1200E-03	1.6000E+07	1.5800E-03	1.7000E+07	2.0700E-039233	3175	511
1.8000E+07	2.5600E-03	1.9000E+07	2.8800E-03	2.0000E+07	3.2000E-039233	3175	512
2.1000E+07	3.3300E-03	2.2000E+07	3.3500E-03	2.3000E+07	3.3400E-039233	3175	513
2.4000E+07	3.2500E-03	2.5000E+07	3.0800E-03	2.6000E+07	2.9500E-039233	3175	514
2.7000E+07	2.7900E-03	2.8000E+07	2.6200E-03	2.9000E+07	2.4500E-039233	3175	515
3.0000E+07	2.2800E-03	3.1000E+07	2.1200E-03	3.2000E+07	1.9700E-039233	3175	516
3.3000E+07	1.8300E-03	3.4000E+07	1.6900E-03	3.5000E+07	1.5700E-039233	3175	517
3.6000E+07	1.4600E-03	3.7000E+07	1.3500E-03	3.8000E+07	1.2400E-039233	3175	518
3.9000E+07	1.1400E-03	4.0000E+07	1.0643E-03	4.2000E+07	9.1300E-049233	3175	519
4.4000E+07	7.6400E-04	4.6000E+07	6.5500E-04	4.8000E+07	5.6800E-049233	3175	520
5.0000E+07	4.7700E-04	5.2000E+07	4.6800E-04	5.4000E+07	5.2300E-049233	3175	521
5.6000E+07	6.6600E-04	5.8000E+07	9.3200E-04	6.0000E+07	1.2900E-039233	3175	522
6.2000E+07	1.7100E-03	6.4000E+07	6.4000E-03	6.6000E+07	2.5400E-039233	3175	523
6.8000E+07	2.8300E-03	7.0000E+07	3.1700E-03	7.2000E+07	3.4800E-039233	3175	524
7.4000E+07	3.7200E-03	7.6000E+07	3.8900E-03	7.8000E+07	3.9600E-039233	3175	525
8.0000E+07	4.0200E-03	8.5000E+07	4.0500E-03	9.0000E+07	4.0100E-039233	3175	526
9.5000E+07	3.9500E-03	1.0000E+08	3.8800E-03		9233	3175	527
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3176	529
4.9089E+06	4.9089E+06	0	0	1	559233	3176	530
	55	2			9233	3176	531
1.0000E-05	0.0000E+00	1.1000E+07	1.0800E-07	1.2000E+07	6.7700E-079233	3176	532
1.3000E+07	2.1300E-06	1.4000E+07	6.6300E-06	1.5000E+07	1.9500E-059233	3176	533
1.6000E+07	5.5000E-05	1.7000E+07	1.4100E-04	1.8000E+07	3.2700E-049233	3176	534
1.9000E+07	7.4350E-04	2.0000E+07	1.1600E-03	2.1000E+07	1.8000E-039233	3176	535
2.2000E+07	2.5300E-03	2.3000E+07	3.2500E-03	2.4000E+07	3.9400E-039233	3176	536
2.5000E+07	4.5700E-03	2.6000E+07	4.9800E-03	2.7000E+07	5.1700E-039233	3176	537
2.8000E+07	5.2500E-03	2.9000E+07	5.2100E-03	3.0000E+07	5.0900E-039233	3176	538
3.1000E+07	4.9000E-03	3.2000E+07	4.6800E-03	3.3000E+07	4.4600E-039233	3176	539
3.4000E+07	4.1900E-03	3.5000E+07	3.9100E-03	3.6000E+07	3.6500E-039233	3176	540
3.7000E+07	3.3800E-03	3.8000E+07	3.1400E-03	3.9000E+07	2.9100E-039233	3176	541
4.0000E+07	2.7167E-03	4.2000E+07	2.3300E-03	4.4000E+07	1.9700E-039233	3176	542
4.6000E+07	1.6600E-03	4.8000E+07	1.3700E-03	5.0000E+07	1.1600E-039233	3176	543
5.2000E+07	9.8100E-04	5.4000E+07	8.3500E-04	5.6000E+07	7.0100E-049233	3176	544
5.8000E+07	5.8900E-04	6.0000E+07	4.9100E-04	6.2000E+07	4.1800E-049233	3176	545
6.4000E+07	3.7400E-04	6.6000E+07	3.8500E-04	6.8000E+07	4.5100E-049233	3176	546
7.0000E+07	5.7200E-04	7.2000E+07	7.4400E-04	7.4000E+07	9.7000E-049233	3176	547
7.6000E+07	1.2300E-03	7.8000E+07	1.5100E-03	8.0000E+07	1.7600E-039233	3176	548
8.5000E+07	2.3900E-03	9.0000E+07	2.7100E-03	9.5000E+07	2.8300E-039233	3176	549
1.0000E+08	2.7000E-03				9233	3176	550
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3177	552
-3.3993E+05	-3.3993E+05	0	0	1	509233	3177	553
	50	2			9233	3177	554
3.4139E+05	0.0000E+00	1.6000E+07	2.5600E-09	1.7000E+07	3.0600E-079233	3177	555
1.8000E+07	1.4300E-06	1.9000E+07	6.7650E-06	2.0000E+07	1.2100E-059233	3177	556
2.1000E+07	3.4500E-05	2.2000E+07	9.1400E-05	2.3000E+07	2.1800E-049233	3177	557
2.4000E+07	4.7200E-04	2.5000E+07	8.9500E-04	2.6000E+07	1.4700E-039233	3177	558
2.7000E+07	2.3100E-03	2.8000E+07	3.1700E-03	2.9000E+07	4.0400E-039233	3177	559
3.0000E+07	4.9400E-03	3.1000E+07	5.8000E-03	3.2000E+07	6.5500E-039233	3177	560
3.3000E+07	7.1600E-03	3.4000E+07	7.6000E-03	3.5000E+07	7.8300E-039233	3177	561
3.6000E+07	7.8600E-03	3.7000E+07	7.7700E-03	3.8000E+07	7.6000E-039233	3177	562
3.9000E+07	7.3400E-03	4.0000E+07	6.7867E-03	4.2000E+07	5.6800E-039233	3177	563
4.4000E+07	4.9700E-03	4.6000E+07	4.2700E-03	4.8000E+07	3.6700E-039233	3177	564
5.0000E+07	3.1400E-03	5.2000E+07	2.6700E-03	5.4000E+07	2.2500E-039233	3177	565
5.6000E+07	1.8800E-03	5.8000E+07	1.5900E-03	6.0000E+07	1.3400E-039233	3177	566
6.2000E+07	1.1500E-03	6.4000E+07	9.7800E-04	6.6000E+07	8.1000E-049233	3177	567
6.8000E+07	6.7100E-04	7.0000E+07	5.4600E-04	7.2000E+07	4.4700E-049233	3177	568
7.4000E+07	3.8400E-04	7.6000E+07	3.6700E-04	7.8000E+07	4.0300E-049233	3177	569
8.0000E+07	5.0300E-04	8.5000E+07	9.0700E-04	9.0000E+07	1.4600E-039233	3177	570
9.5000E+07	1.9600E-03	1.0000E+08	2.5300E-03		9233	3177	571
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3178	573

-7.4599E+06	-7.4599E+06	0	0	1	439233	3178	574
43	2				9233	3178	575
7.4919E+06	0.0000E+00	2.3000E+07	1.6600E-11	2.4000E+07	9.1800E-09	233	3178
2.5000E+07	1.1900E-07	2.6000E+07	5.7700E-07	2.7000E+07	2.0100E-06	9233	3178
2.8000E+07	5.8700E-06	2.9000E+07	1.6100E-05	3.0000E+07	4.0300E-05	9233	3178
3.1000E+07	9.7400E-05	3.2000E+07	2.1200E-04	3.3000E+07	4.0600E-04	9233	3178
3.4000E+07	7.1900E-04	3.5000E+07	1.1400E-03	3.6000E+07	1.6700E-03	9233	3178
3.7000E+07	2.2400E-03	3.8000E+07	2.8200E-03	3.9000E+07	3.3700E-03	9233	3178
4.0000E+07	3.7367E-03	4.2000E+07	4.4700E-03	4.4000E+07	4.6300E-03	9233	3178
4.6000E+07	4.4600E-03	4.8000E+07	4.1000E-03	5.0000E+07	3.6500E-03	9233	3178
5.2000E+07	3.1800E-03	5.4000E+07	2.7700E-03	5.6000E+07	2.3800E-03	9233	3178
5.8000E+07	2.0300E-03	6.0000E+07	1.7000E-03	6.2000E+07	1.4400E-03	9233	3178
6.4000E+07	1.2000E-03	6.6000E+07	1.0100E-03	6.8000E+07	8.6200E-04	9233	3178
7.0000E+07	7.3400E-04	7.2000E+07	6.2100E-04	7.4000E+07	5.1700E-04	9233	3178
7.6000E+07	4.2700E-04	7.8000E+07	3.4300E-04	8.0000E+07	2.6700E-04	9233	3178
8.5000E+07	1.3000E-04	9.0000E+07	1.5000E-04	9.5000E+07	3.0300E-04	9233	3178
1.0000E+08	5.0600E-04				9233	3178	590
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3179	592
-1.2914E+07	-1.2914E+07	0	0	1	379233	3179	593
37	2				9233	3179	594
1.2970E+07	0.0000E+00	2.9000E+07	3.2900E-11	3.0000E+07	5.0900E-09	9233	3179
3.1000E+07	6.7300E-08	3.2000E+07	3.4000E-07	3.3000E+07	1.2000E-06	9233	3179
3.4000E+07	3.4800E-06	3.5000E+07	1.0800E-05	3.6000E+07	2.8500E-05	9233	3179
3.7000E+07	6.7500E-05	3.8000E+07	1.4900E-04	3.9000E+07	2.8800E-04	9233	3179
4.0000E+07	5.9533E-04	4.2000E+07	1.2100E-03	4.4000E+07	2.2400E-03	9233	3179
4.6000E+07	3.3600E-03	4.8000E+07	4.3100E-03	5.0000E+07	4.9300E-03	9233	3179
5.2000E+07	5.1400E-03	5.4000E+07	5.0400E-03	5.6000E+07	4.7100E-03	9233	3179
5.8000E+07	4.2700E-03	6.0000E+07	3.7700E-03	6.2000E+07	3.2900E-03	9233	3179
6.4000E+07	2.8500E-03	6.6000E+07	2.4500E-03	6.8000E+07	2.1000E-03	9233	3179
7.0000E+07	1.7800E-03	7.2000E+07	1.5000E-03	7.4000E+07	1.2600E-03	9233	3179
7.6000E+07	1.0800E-03	7.8000E+07	9.2100E-04	8.0000E+07	7.8600E-04	9233	3179
8.5000E+07	4.9500E-04	9.0000E+07	2.7000E-04	9.5000E+07	1.3200E-04	9233	3179
1.0000E+08	1.3700E-04				9233	3179	607
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3180	609
-2.0100E+07	-2.0100E+07	0	0	1	309233	3180	610
30	2				9233	3180	611
2.0186E+07	0.0000E+00	3.6000E+07	1.6100E-13	3.7000E+07	5.1400E-11	9233	3180
3.8000E+07	1.3500E-09	3.9000E+07	1.2200E-08	4.0000E+07	3.7813E-07	9233	3180
4.2000E+07	1.1100E-06	4.4000E+07	7.9000E-06	4.6000E+07	4.0400E-05	9233	3180
4.8000E+07	1.6700E-04	5.0000E+07	4.5500E-04	5.2000E+07	9.5700E-04	9233	3180
5.4000E+07	1.5800E-03	5.6000E+07	2.2300E-03	5.8000E+07	2.7400E-03	9233	3180
6.0000E+07	3.0600E-03	6.2000E+07	3.1500E-03	6.4000E+07	3.0900E-03	9233	3180
6.6000E+07	2.8800E-03	6.8000E+07	2.6100E-03	7.0000E+07	2.3200E-03	9233	3180
7.2000E+07	2.0400E-03	7.4000E+07	1.7600E-03	7.6000E+07	1.5200E-03	9233	3180
7.8000E+07	1.3000E-03	8.0000E+07	1.1000E-03	8.5000E+07	7.2400E-04	9233	3180
9.0000E+07	4.8700E-04	9.5000E+07	3.0900E-04	1.0000E+08	1.5600E-04	9233	3180
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3181	623
-2.5862E+07	-2.5862E+07	0	0	1	259233	3181	624
25	2				9233	3181	625
2.5973E+07	0.0000E+00	4.2000E+07	2.3800E-14	4.4000E+07	3.3100E-10	9233	3181
4.6000E+07	1.4900E-08	4.8000E+07	2.3600E-07	5.0000E+07	1.8700E-06	9233	3181
5.2000E+07	1.1700E-05	5.4000E+07	5.2400E-05	5.6000E+07	1.7600E-04	9233	3181
5.8000E+07	4.4700E-04	6.0000E+07	8.8100E-04	6.2000E+07	1.4100E-03	9233	3181
6.4000E+07	1.9300E-03	6.6000E+07	2.4000E-03	6.8000E+07	2.7200E-03	9233	3181
7.0000E+07	2.8800E-03	7.2000E+07	2.8800E-03	7.4000E+07	2.7600E-03	9233	3181
7.6000E+07	2.5800E-03	7.8000E+07	2.3500E-03	8.0000E+07	2.1000E-03	9233	3181
8.5000E+07	1.4800E-03	9.0000E+07	1.0200E-03	9.5000E+07	6.8800E-04	9233	3181
1.0000E+08	4.8100E-04				9233	3181	634
					9233	3	0
9.2233E+04	2.3300E+02	0	0	0	09233	3182	636
-3.3196E+07	-3.3196E+07	0	0	1	219233	3182	637
21	2				9233	3182	638
3.3339E+07	0.0000E+00	5.0000E+07	4.2200E-14	5.2000E+07	6.4200E-10	9233	3182
5.4000E+07	3.1800E-09	5.6000E+07	5.2100E-08	5.8000E+07	5.1400E-07	9233	3182

6.0000E+07	3.7300E-06	6.2000E+07	1.8500E-05	6.4000E+07	6.2700E-05	9233	3	0	641					
6.6000E+07	1.8200E-04	6.8000E+07	4.0500E-04	7.0000E+07	7.4100E-04	9233	3183		642					
7.2000E+07	1.1600E-03	7.4000E+07	1.6200E-03	7.6000E+07	1.9500E-03	9233	3182		643					
7.8000E+07	2.2100E-03	8.0000E+07	2.3600E-03	8.5000E+07	2.2400E-03	9233	3182		644					
9.0000E+07	1.8000E-03	9.5000E+07	1.3000E-03	1.0000E+08	8.9600E-04	9233	3182		645					
						9233	3	0	646					
9.2233E+04	2.3300E+02		0	0	0	09233	3183		647					
-3.8161E+07	-3.8161E+07		0	0	1	189233	3183		648					
	18	2				9233	3183		649					
3.8325E+07	0.0000E+00	5.6000E+07	8.9700E-17	5.8000E+07	1.3500E-12	9233	3183		650					
6.0000E+07	1.5800E-10	6.2000E+07	3.9900E-09	6.4000E+07	4.5800E-08	9233	3183		651					
6.6000E+07	4.0200E-07	6.8000E+07	2.6300E-06	7.0000E+07	1.2400E-05	9233	3183		652					
7.2000E+07	4.4100E-05	7.4000E+07	1.2500E-04	7.6000E+07	3.0200E-04	9233	3183		653					
7.8000E+07	5.6100E-04	8.0000E+07	8.8700E-04	8.5000E+07	1.8400E-03	9233	3183		654					
9.0000E+07	2.4400E-03	9.5000E+07	2.5200E-03	1.0000E+08	2.2000E-03	9233	3183		655					
						9233	3	0	656					
						9233	0	0	657					
						0	0	0	658					
						-1	0	0	0					
U-234	WIND					0	0	0	0					
9.2234E+04	2.3400E+02		-1	0	99	19234	1451		1					
0.0000E+00	0.0000E+00		0	0	0	69234	1451		2					
1.0000E+00	0.0000E+00		0	0	10	29234	1451		3					
0.0000E+00	0.0000E+00		0	0	67	339234	1451		4					
92- U-234	INPE	EVAL-SEP94	YU.A.KOROVIN	ET.AL.		9234	1451		5					
		DIST-OCT94				9234	1451		6					
----	WIND	MATERIAL	9234			9234	1451		7					
-----	INCIDENT-NEUTRON	DATA				9234	1451		8					
-----	ENDF-6	FORMAT				9234	1451		9					
AUTHORS OF EVALUATION:	A.YU.KONOBAYEV,	YU.A.KOROVIN,				9234	1451		10					
	P.E.PERESLAVTSEV,	V.I.PLYASKIN				9234	1451		11					
						9234	1451		12					
FILE OF ACTINIDE DATA	LIBRARY	WIND				9234	1451		13					
ENERGY OF PROJECTILE:	0-100	MEV				9234	1451		14					
REFERENCE:	KERNTECHNIK,	1994,	V.59,	P.87		9234	1451		15					
						9234	1451		16					
CONTENT OF FILE:						9234	1451		17					
						9234	1451		18					
MF = 1	GENERAL	INFORMATION				9234	1451		19					
						9234	1451		20					
MT = 451	COMMENTS	AND	DICTIONARY			9234	1451		21					
						9234	1451		22					
MF = 3	NEUTRON	CROSS-SECTIONS				9234	1451		23					
						9234	1451		24					
(N,2N)	REACTION	CROSS-SECTIONS	ARE	ORIGINAL		9234	1451		25					
(N,3N)	REACTION	CROSS-SECTIONS	ARE	ORIGINAL		9234	1451		26					
(N,F)	REACTION	CROSS-SECTIONS	BELOW	14	MEV	ARE	FROM	JENDL-3	27					
	THIS	VERSION	OF	THE	LIBRARY	INCLUDES	FAST	ENERGY	REGION	FOR	28			
	SECTION	MT=18	FROM	0.1	UP	TO	100	MEV.	THE	VERSION	WITH	THE	DATA	29
	AT	LOW	ENERGIES	WITH	RESONANCE	CONTRIBUTION	RECONSTRUCTION							30
	IS	AVAILABLE	FROM	THE	AUTHORS	AFTER	REQUEST							31
														32
	MT=16,17,18,37,103,111	ARE	STANDARD	ENDF-6	SECTIONS,									33
	OTHER	MT	NUMBERS	ARE	NEW	ASSIGNED								34
	IN	FOLLOWING	DESCRIPTION	"(N,X)"	MEANS	SUM	CROSS-SECTIONS	OF						35
	ALL	REACTIONS	RESULTED	IN	THE	SAME	RESIDUAL	NUCLEUS	WITHOUT					36
	RADIOACTIVE	DECAY	TAKEN	INTO	ACCOUNT									37
														38
MT = 16	(N,2N)	CROSS-SECTION	(U233	PRODUCTION)	9234	1451		39				
MT = 17	(N,3N)	CROSS-SECTION	(U232	PRODUCTION)	9234	1451		40				
MT = 18	(N,F)	FISSION	CROSS-SECTION				9234	1451		41				
MT = 37	(N,4N)	CROSS-SECTION	(U231	PRODUCTION)	9234	1451		42				
MT =103	(N,P)	CROSS-SECTION	(Pa234	PRODUCTION)	9234	1451		43				
MT =111	(N,2P)	CROSS-SECTION	(Th233	PRODUCTION)	9234	1451		44				
MT =121	(N,5N)	CROSS-SECTION	(U230	PRODUCTION)	9234	1451		45				
MT =122	(N,6N)	CROSS-SECTION	(U229	PRODUCTION)	9234	1451		46				
MT =123	(N,7N)	CROSS-SECTION	(U228	PRODUCTION)	9234	1451		47				

MT =124 (N, 8N)	CROSS-SECTION (U227 PRODUCTION)	9234	1451	48
MT =125 (N, 9N)	CROSS-SECTION (U226 PRODUCTION)	9234	1451	49
MT =126 (N, 10N)	CROSS-SECTION (U225 PRODUCTION)	9234	1451	50
MT =153 (N, NP) + (N, D)	CROSS-SECTION (Pa233 PRODUCTION)	9234	1451	51
MT =154 (N, 2NP) + (N, ND)	CROSS-SECTION (Pa232 PRODUCTION)	9234	1451	52
MT =155 (N, 3NP) + (N, 2ND)	CROSS-SECTION (Pa231 PRODUCTION)	9234	1451	53
MT =156 (N, 4NP) + (N, 3ND)	CROSS-SECTION (Pa230 PRODUCTION)	9234	1451	54
MT =157 (N, 5NP) + (N, 4ND)	CROSS-SECTION (Pa229 PRODUCTION)	9234	1451	55
MT =158 (N, 6NP) + (N, 5ND)	CROSS-SECTION (Pa228 PRODUCTION)	9234	1451	56
MT =159 (N, 7NP) + (N, 6ND)	CROSS-SECTION (Pa227 PRODUCTION)	9234	1451	57
MT =160 (N, 8NP) + (N, 7ND)	CROSS-SECTION (Pa226 PRODUCTION)	9234	1451	58
MT =161 (N, 9NP) + (N, 8ND)	CROSS-SECTION (Pa225 PRODUCTION)	9234	1451	59
MT =162 (N, 10NP) + (N, 9ND)	CROSS-SECTION (Pa224 PRODUCTION)	9234	1451	60
MT =174 (N, N2P) + (N, PD)	CROSS-SECTION (Th232 PRODUCTION)	9234	1451	61
MT =175 (N, 2N2P) + (N, X)	CROSS-SECTION (Th231 PRODUCTION)	9234	1451	62
MT =176 (N, 3N2P) + (N, X)	CROSS-SECTION (Th230 PRODUCTION)	9234	1451	63
MT =177 (N, 4N2P) + (N, X)	CROSS-SECTION (Th229 PRODUCTION)	9234	1451	64
MT =178 (N, 5N2P) + (N, X)	CROSS-SECTION (Th228 PRODUCTION)	9234	1451	65
MT =179 (N, 6N2P) + (N, X)	CROSS-SECTION (Th227 PRODUCTION)	9234	1451	66
MT =180 (N, 7N2P) + (N, X)	CROSS-SECTION (Th226 PRODUCTION)	9234	1451	67
MT =181 (N, 8N2P) + (N, X)	CROSS-SECTION (Th225 PRODUCTION)	9234	1451	68
MT =182 (N, 9N2P) + (N, X)	CROSS-SECTION (Th224 PRODUCTION)	9234	1451	69
MT =183 (N, 10N2P) + (N, X)	CROSS-SECTION (Th223 PRODUCTION)	9234	1451	70
		9234	1451	71
	1	451	104	19234 1451 72
	3	16	23	19234 1451 73
	3	17	21	19234 1451 74
	3	18	33	19234 1451 75
	3	37	18	19234 1451 76
	3	103	23	19234 1451 77
	3	111	18	19234 1451 78
	3	121	16	19234 1451 79
	3	122	14	19234 1451 80
	3	123	12	19234 1451 81
	3	124	10	19234 1451 82
	3	125	9	19234 1451 83
	3	126	8	19234 1451 84
	3	153	22	19234 1451 85
	3	154	19	19234 1451 86
	3	155	17	19234 1451 87
	3	156	15	19234 1451 88
	3	157	13	19234 1451 89
	3	158	11	19234 1451 90
	3	159	10	19234 1451 91
	3	160	9	19234 1451 92
	3	161	8	19234 1451 93
	3	162	7	19234 1451 94
	3	174	18	19234 1451 95
	3	175	23	19234 1451 96
	3	176	22	19234 1451 97
	3	177	19	19234 1451 98
	3	178	18	19234 1451 99
	3	179	15	19234 1451 100
	3	180	13	19234 1451 101
	3	181	11	19234 1451 102
	3	182	10	19234 1451 103
	3	183	9	19234 1451 104
				9234 1 0 105
				9234 0 0 106
9.2234E+04 2.3400E+02	0	0	0	09234 3 16 107
-6.8438E+06-6.8438E+06	0	0	1	599234 3 16 108
59 2				9234 3 16 109
6.8730E+06 0.0000E+00 7.0000E+06 6.4800E-03 8.0000E+06 2.8100E-01	9234	3	16	110
9.0000E+06 4.9900E-01 1.0000E+07 5.8400E-01 1.1000E+07 6.1700E-01	9234	3	16	111
1.2000E+07 6.3600E-01 1.3000E+07 6.2700E-01 1.4000E+07 5.1400E-01	9234	3	16	112
1.5000E+07 3.6500E-01 1.6000E+07 2.5800E-01 1.7000E+07 1.9000E-01	9234	3	16	113
1.8000E+07 1.5100E-01 1.9000E+07 1.2900E-01 2.0000E+07 1.1400E-01	9234	3	16	114

2.1000E+07	1.0000E-01	2.2000E+07	8.9500E-02	2.3000E+07	8.2500E-029234	3	16	115
2.4000E+07	7.9100E-02	2.5000E+07	7.4900E-02	2.6000E+07	7.1900E-029234	3	16	116
2.7000E+07	6.7800E-02	2.8000E+07	6.5200E-02	2.9000E+07	6.3000E-029234	3	16	117
3.0000E+07	6.0800E-02	3.1000E+07	5.9400E-02	3.2000E+07	5.7800E-029234	3	16	118
3.3000E+07	5.6600E-02	3.4000E+07	5.5500E-02	3.5000E+07	5.4400E-029234	3	16	119
3.6000E+07	5.3300E-02	3.7000E+07	5.1100E-02	3.8000E+07	5.0100E-029234	3	16	120
3.9000E+07	4.9300E-02	4.0000E+07	4.9000E-02	4.2000E+07	4.5700E-029234	3	16	121
4.4000E+07	4.4300E-02	4.6000E+07	4.2700E-02	4.8000E+07	4.1700E-029234	3	16	122
5.0000E+07	4.0600E-02	5.2000E+07	3.9700E-02	5.4000E+07	3.8700E-029234	3	16	123
5.6000E+07	3.7600E-02	5.8000E+07	3.6600E-02	6.0000E+07	3.6100E-029234	3	16	124
6.2000E+07	3.5300E-02	6.4000E+07	3.4600E-02	6.6000E+07	3.3700E-029234	3	16	125
6.8000E+07	3.3000E-02	7.0000E+07	3.2500E-02	7.2000E+07	3.1600E-029234	3	16	126
7.4000E+07	3.1000E-02	7.6000E+07	3.0300E-02	7.8000E+07	2.9700E-029234	3	16	127
8.0000E+07	2.9000E-02	8.5000E+07	2.7700E-02	9.0000E+07	2.6500E-029234	3	16	128
9.5000E+07	2.5500E-02	1.0000E+08	2.4200E-02		9234	3	16	129
					9234	3	0	130
9.2234E+04	2.3400E+02	0	0	0	09234	3	17	131
-1.2598E+07	-1.2598E+07	0	0	1	539234	3	17	132
53	2				9234	3	17	133
1.2652E+07	0.0000E+00	1.3000E+07	4.0500E-05	1.4000E+07	2.6300E-029234	3	17	134
1.5000E+07	9.1800E-02	1.6000E+07	1.4100E-01	1.7000E+07	1.7400E-019234	3	17	135
1.8000E+07	1.9400E-01	1.9000E+07	2.0900E-01	2.0000E+07	2.1100E-019234	3	17	136
2.1000E+07	1.9300E-01	2.2000E+07	1.6200E-01	2.3000E+07	1.3300E-019234	3	17	137
2.4000E+07	1.1300E-01	2.5000E+07	9.3800E-02	2.6000E+07	7.9700E-029234	3	17	138
2.7000E+07	6.8300E-02	2.8000E+07	5.9700E-02	2.9000E+07	5.3000E-029234	3	17	139
3.0000E+07	4.7800E-02	3.1000E+07	4.3700E-02	3.2000E+07	4.0000E-029234	3	17	140
3.3000E+07	3.7000E-02	3.4000E+07	3.4600E-02	3.5000E+07	3.2600E-029234	3	17	141
3.6000E+07	3.0800E-02	3.7000E+07	2.9700E-02	3.8000E+07	2.8500E-029234	3	17	142
3.9000E+07	2.7300E-02	4.0000E+07	2.6200E-02	4.2000E+07	2.3100E-029234	3	17	143
4.4000E+07	2.1800E-02	4.6000E+07	2.0800E-02	4.8000E+07	2.0100E-029234	3	17	144
5.0000E+07	1.9300E-02	5.2000E+07	1.8700E-02	5.4000E+07	1.8100E-029234	3	17	145
5.6000E+07	1.7600E-02	5.8000E+07	1.7100E-02	6.0000E+07	1.6700E-029234	3	17	146
6.2000E+07	1.6400E-02	6.4000E+07	1.6000E-02	6.6000E+07	1.5700E-029234	3	17	147
6.8000E+07	1.5400E-02	7.0000E+07	1.5100E-02	7.2000E+07	1.4800E-029234	3	17	148
7.4000E+07	1.4500E-02	7.6000E+07	1.4200E-02	7.8000E+07	1.4000E-029234	3	17	149
8.0000E+07	1.3700E-02	8.5000E+07	1.3200E-02	9.0000E+07	1.2600E-029234	3	17	150
9.5000E+07	1.2100E-02	1.0000E+08	1.0700E-02		9234	3	17	151
					9234	3	0	152
9.2234E+04	2.3400E+02	0	0	0	09234	3	18	153
1.9000E+08	1.9000E+08	0	0	2	909234	3	18	154
40	3	90	2		9234	3	18	155
1.0000E+05	4.0100E-02	2.0000E+05	5.3300E-02	2.5000E+05	6.3700E-029234	3	18	156
3.0000E+05	1.1160E-01	3.5000E+05	1.7380E-01	4.0000E+05	2.5280E-019234	3	18	157
4.9000E+05	4.5810E-01	5.7000E+05	7.5900E-01	6.8000E+05	1.0350E+009234	3	18	158
7.6000E+05	1.2080E+00	8.0000E+05	1.3110E+00	8.6000E+05	1.1980E+009234	3	18	159
1.0000E+06	1.0820E+00	1.1800E+06	1.2530E+00	1.2900E+06	1.2770E+009234	3	18	160
1.3000E+06	1.2760E+00	1.4400E+06	1.3510E+00	1.5900E+06	1.5130E+009234	3	18	161
1.7700E+06	1.5710E+00	1.9000E+06	1.6010E+00	2.2000E+06	1.5540E+009234	3	18	162
2.5100E+06	1.5430E+00	2.8000E+06	1.5300E+00	2.9300E+06	1.4920E+009234	3	18	163
3.5000E+06	1.5010E+00	3.8200E+06	1.4900E+00	4.3700E+06	1.4360E+009234	3	18	164
4.8900E+06	1.3480E+00	5.2500E+06	1.3310E+00	5.5900E+06	1.3270E+009234	3	18	165
5.8600E+06	1.3460E+00	6.1700E+06	1.4440E+00	6.4700E+06	1.5840E+009234	3	18	166
6.7200E+06	1.7350E+00	6.9700E+06	1.9000E+00	8.0000E+06	2.1830E+009234	3	18	167
9.5000E+06	2.0970E+00	1.2000E+07	2.0200E+00	1.3000E+07	1.9870E+009234	3	18	168
1.4000E+07	2.0670E+00	1.5000E+07	2.1466E+00	1.6000E+07	2.1624E+009234	3	18	169
1.7000E+07	2.1683E+00	1.8000E+07	2.1787E+00	1.9000E+07	2.1770E+009234	3	18	170
2.0000E+07	2.1790E+00	2.1000E+07	2.1811E+00	2.2000E+07	2.1895E+009234	3	18	171
2.3000E+07	2.1874E+00	2.4000E+07	2.1799E+00	2.5000E+07	2.1744E+009234	3	18	172
2.6000E+07	2.1695E+00	2.7000E+07	2.1660E+00	2.8000E+07	2.1539E+009234	3	18	173
2.9000E+07	2.1387E+00	3.0000E+07	2.1229E+00	3.1000E+07	2.1095E+009234	3	18	174
3.2000E+07	2.1011E+00	3.3000E+07	2.0926E+00	3.4000E+07	2.0834E+009234	3	18	175
3.5000E+07	2.0743E+00	3.6000E+07	2.0625E+00	3.7000E+07	2.0521E+009234	3	18	176
3.8000E+07	2.0391E+00	3.9000E+07	2.0270E+00	4.0000E+07	2.0158E+009234	3	18	177
4.2000E+07	2.0024E+00	4.4000E+07	1.9822E+00	4.6000E+07	1.9555E+009234	3	18	178
4.8000E+07	1.9329E+00	5.0000E+07	1.9141E+00	5.2000E+07	1.8963E+009234	3	18	179
5.4000E+07	1.8781E+00	5.6000E+07	1.8606E+00	5.8000E+07	1.8434E+009234	3	18	180
6.0000E+07	1.8335E+00	6.2000E+07	1.8171E+00	6.4000E+07	1.8019E+009234	3	18	181

6.6000E+07	1.7873E+00	6.8000E+07	1.7739E+00	7.0000E+07	1.7601E+00	9234	3	18	182
7.2000E+07	1.7473E+00	7.4000E+07	1.7340E+00	7.6000E+07	1.7221E+00	9234	3	18	183
7.8000E+07	1.7101E+00	8.0000E+07	1.6972E+00	8.5000E+07	1.6691E+00	9234	3	18	184
9.0000E+07	1.6424E+00	9.5000E+07	1.6185E+00	1.0000E+08	1.5959E+00	9234	3	18	185
						9234	3	0	186
9.2234E+04	2.3400E+02	0	0	0	0	09234	3	37	187
-1.9852E+07	-1.9852E+07	0	0	1	1	459234	3	37	188
	45	2				9234	3	37	189
1.9937E+07	0.0000E+00	2.1000E+07	7.2100E-05	2.2000E+07	1.6300E-03	9234	3	37	190
2.3000E+07	7.4200E-03	2.4000E+07	1.6100E-02	2.5000E+07	2.7000E-02	9234	3	37	191
2.6000E+07	3.6100E-02	2.7000E+07	4.4000E-02	2.8000E+07	4.9500E-02	9234	3	37	192
2.9000E+07	5.2400E-02	3.0000E+07	5.2100E-02	3.1000E+07	4.9200E-02	9234	3	37	193
3.2000E+07	4.4600E-02	3.3000E+07	3.9500E-02	3.4000E+07	3.4200E-02	9234	3	37	194
3.5000E+07	2.8900E-02	3.6000E+07	2.5400E-02	3.7000E+07	2.2500E-02	9234	3	37	195
3.8000E+07	1.9700E-02	3.9000E+07	1.7700E-02	4.0000E+07	1.5900E-02	9234	3	37	196
4.2000E+07	1.2900E-02	4.4000E+07	1.0900E-02	4.6000E+07	9.5800E-03	9234	3	37	197
4.8000E+07	8.6800E-03	5.0000E+07	7.9700E-03	5.2000E+07	7.4100E-03	9234	3	37	198
5.4000E+07	6.9300E-03	5.6000E+07	6.5100E-03	5.8000E+07	6.1600E-03	9234	3	37	199
6.0000E+07	5.9300E-03	6.2000E+07	5.6500E-03	6.4000E+07	5.4200E-03	9234	3	37	200
6.6000E+07	5.1500E-03	6.8000E+07	5.0100E-03	7.0000E+07	4.8600E-03	9234	3	37	201
7.2000E+07	4.7200E-03	7.4000E+07	4.6300E-03	7.6000E+07	4.5000E-03	9234	3	37	202
7.8000E+07	4.4000E-03	8.0000E+07	4.2800E-03	8.5000E+07	4.0600E-03	9234	3	37	203
9.0000E+07	3.8500E-03	9.5000E+07	3.6100E-03	1.0000E+08	3.6000E-03	9234	3	37	204
						9234	3	0	205
9.2234E+04	2.3400E+02	0	0	0	0	09234	3	103	206
-1.4239E+06	-1.4239E+06	0	0	1	1	589234	3	103	207
	58	2				9234	3	103	208
1.4300E+06	0.0000E+00	8.0000E+06	4.7200E-06	9.0000E+06	4.9700E-05	9234	3	103	209
1.0000E+07	2.0400E-04	1.1000E+07	5.7000E-04	1.2000E+07	1.3600E-03	9234	3	103	210
1.3000E+07	2.6700E-03	1.4000E+07	4.0800E-03	1.5000E+07	6.7600E-03	9234	3	103	211
1.6000E+07	1.0200E-02	1.7000E+07	1.4200E-02	1.8000E+07	1.6700E-02	9234	3	103	212
1.9000E+07	2.0800E-02	2.0000E+07	2.4000E-02	2.1000E+07	2.6500E-02	9234	3	103	213
2.2000E+07	2.7300E-02	2.3000E+07	2.9100E-02	2.4000E+07	3.1000E-02	9234	3	103	214
2.5000E+07	3.2700E-02	2.6000E+07	3.4000E-02	2.7000E+07	3.4300E-02	9234	3	103	215
2.8000E+07	3.4600E-02	2.9000E+07	3.4700E-02	3.0000E+07	3.4700E-02	9234	3	103	216
3.1000E+07	3.4800E-02	3.2000E+07	3.4800E-02	3.3000E+07	3.5000E-02	9234	3	103	217
3.4000E+07	3.5100E-02	3.5000E+07	3.4900E-02	3.6000E+07	3.4500E-02	9234	3	103	218
3.7000E+07	3.4000E-02	3.8000E+07	3.3600E-02	3.9000E+07	3.3300E-02	9234	3	103	219
4.0000E+07	3.3000E-02	4.2000E+07	3.1500E-02	4.4000E+07	3.0700E-02	9234	3	103	220
4.6000E+07	2.9800E-02	4.8000E+07	2.9000E-02	5.0000E+07	2.8200E-02	9234	3	103	221
5.2000E+07	2.7400E-02	5.4000E+07	2.6600E-02	5.6000E+07	2.5800E-02	9234	3	103	222
5.8000E+07	2.5100E-02	6.0000E+07	2.4300E-02	6.2000E+07	2.3700E-02	9234	3	103	223
6.4000E+07	2.3000E-02	6.6000E+07	2.2300E-02	6.8000E+07	2.1600E-02	9234	3	103	224
7.0000E+07	2.1100E-02	7.2000E+07	2.0500E-02	7.4000E+07	1.9900E-02	9234	3	103	225
7.6000E+07	1.9400E-02	7.8000E+07	1.8800E-02	8.0000E+07	2.0000E-02	9234	3	103	226
8.5000E+07	1.8800E-02	9.0000E+07	1.7600E-02	9.5000E+07	1.6600E-02	9234	3	103	227
1.0000E+08	1.5700E-02					9234	3	103	228
						9234	3	0	229
9.2234E+04	2.3400E+02	0	0	0	0	09234	3	111	230
-7.0964E+06	-7.0964E+06	0	0	1	1	459234	3	111	231
	45	2				9234	3	111	232
7.1268E+06	0.0000E+00	2.1000E+07	6.2400E-07	2.2000E+07	3.3900E-06	9234	3	111	233
2.3000E+07	1.2200E-05	2.4000E+07	3.3400E-05	2.5000E+07	6.6500E-05	9234	3	111	234
2.6000E+07	1.2900E-04	2.7000E+07	2.0400E-04	2.8000E+07	3.1600E-04	9234	3	111	235
2.9000E+07	4.5400E-04	3.0000E+07	6.1700E-04	3.1000E+07	8.0400E-04	9234	3	111	236
3.2000E+07	9.6400E-04	3.3000E+07	1.2000E-03	3.4000E+07	1.4400E-03	9234	3	111	237
3.5000E+07	1.7000E-03	3.6000E+07	1.9500E-03	3.7000E+07	2.1500E-03	9234	3	111	238
3.8000E+07	2.4300E-03	3.9000E+07	2.7200E-03	4.0000E+07	3.0200E-03	9234	3	111	239
4.2000E+07	3.5100E-03	4.4000E+07	3.8100E-03	4.6000E+07	4.0600E-03	9234	3	111	240
4.8000E+07	4.3000E-03	5.0000E+07	4.4100E-03	5.2000E+07	4.5200E-03	9234	3	111	241
5.4000E+07	4.6400E-03	5.6000E+07	4.7300E-03	5.8000E+07	4.7900E-03	9234	3	111	242
6.0000E+07	4.8400E-03	6.2000E+07	4.8900E-03	6.4000E+07	4.9400E-03	9234	3	111	243
6.6000E+07	4.9900E-03	6.8000E+07	5.0000E-03	7.0000E+07	5.0400E-03	9234	3	111	244
7.2000E+07	5.0400E-03	7.4000E+07	5.0700E-03	7.6000E+07	5.0800E-03	9234	3	111	245
7.8000E+07	5.1000E-03	8.0000E+07	5.0500E-03	8.5000E+07	5.0700E-03	9234	3	111	246
9.0000E+07	5.0900E-03	9.5000E+07	5.0700E-03	1.0000E+08	4.9900E-03	9234	3	111	247
						9234	3	0	248

9.2234E+04	2.3400E+02	0	0	0	09234	3121	249	
-2.5751E+07	-2.5751E+07	0	0	1	399234	3121	250	
39	2				9234	3121	251	
2.5861E+07	0.0000E+00	2.7000E+07	4.6300E-07	2.8000E+07	2.9600E-05	9234	3121	252
2.9000E+07	2.3300E-04	3.0000E+07	7.6600E-04	3.1000E+07	1.7000E-03	9234	3121	253
3.2000E+07	2.8300E-03	3.3000E+07	3.9900E-03	3.4000E+07	5.0800E-03	9234	3121	254
3.5000E+07	6.0600E-03	3.6000E+07	6.6700E-03	3.7000E+07	6.8800E-03	9234	3121	255
3.8000E+07	6.7900E-03	3.9000E+07	6.4700E-03	4.0000E+07	6.0200E-03	9234	3121	256
4.2000E+07	4.8700E-03	4.4000E+07	3.9200E-03	4.6000E+07	3.1700E-03	9234	3121	257
4.8000E+07	2.6200E-03	5.0000E+07	2.2300E-03	5.2000E+07	1.9400E-03	9234	3121	258
5.4000E+07	1.7100E-03	5.6000E+07	1.5500E-03	5.8000E+07	1.4100E-03	9234	3121	259
6.0000E+07	1.3300E-03	6.2000E+07	1.1500E-03	6.4000E+07	1.0800E-03	9234	3121	260
6.6000E+07	1.0100E-03	6.8000E+07	9.5400E-04	7.0000E+07	9.0800E-04	9234	3121	261
7.2000E+07	8.6700E-04	7.4000E+07	8.3400E-04	7.6000E+07	8.0400E-04	9234	3121	262
7.8000E+07	7.7700E-04	8.0000E+07	7.5300E-04	8.5000E+07	7.0100E-04	9234	3121	263
9.0000E+07	6.5700E-04	9.5000E+07	6.2700E-04	1.0000E+08	5.9600E-04	9234	3121	264
					9234	3	0	265
9.2234E+04	2.3400E+02	0	0	0	09234	3122	266	
-3.3417E+07	-3.3417E+07	0	0	1	329234	3122	267	
32	2				9234	3122	268	
3.3560E+07	0.0000E+00	3.4000E+07	2.3200E-13	3.5000E+07	2.2800E-09	9234	3122	269
3.6000E+07	1.1400E-07	3.7000E+07	1.2900E-06	3.8000E+07	7.0500E-06	9234	3122	270
3.9000E+07	2.0100E-05	4.0000E+07	4.4600E-05	4.2000E+07	1.2400E-04	9234	3122	271
4.4000E+07	2.1000E-04	4.6000E+07	2.6800E-04	4.8000E+07	2.8300E-04	9234	3122	272
5.0000E+07	2.6900E-04	5.2000E+07	2.3900E-04	5.4000E+07	2.0300E-04	9234	3122	273
5.6000E+07	1.7200E-04	5.8000E+07	1.4600E-04	6.0000E+07	1.3000E-04	9234	3122	274
6.2000E+07	1.1400E-04	6.4000E+07	1.0100E-04	6.6000E+07	8.9700E-05	9234	3122	275
6.8000E+07	8.0800E-05	7.0000E+07	7.4300E-05	7.2000E+07	6.9300E-05	9234	3122	276
7.4000E+07	6.4900E-05	7.6000E+07	6.1200E-05	7.8000E+07	5.7900E-05	9234	3122	277
8.0000E+07	5.4800E-05	8.5000E+07	4.8800E-05	9.0000E+07	4.4000E-05	9234	3122	278
9.5000E+07	4.0500E-05	1.0000E+08	3.7500E-05			9234	3122	279
					9234	3	0	280
9.2234E+04	2.3400E+02	0	0	0	09234	3123	281	
-3.9509E+07	-3.9509E+07	0	0	1	259234	3123	282	
25	2				9234	3123	283	
3.9677E+07	0.0000E+00	4.2000E+07	2.2700E-10	4.4000E+07	2.6200E-08	9234	3123	284
4.6000E+07	3.0400E-07	4.8000E+07	1.1700E-06	5.0000E+07	2.6700E-06	9234	3123	285
5.2000E+07	4.2300E-06	5.4000E+07	5.5800E-06	5.6000E+07	6.1400E-06	9234	3123	286
5.8000E+07	6.1100E-06	6.0000E+07	5.7900E-06	6.2000E+07	5.2200E-06	9234	3123	287
6.4000E+07	4.6100E-06	6.6000E+07	4.0300E-06	6.8000E+07	3.5300E-06	9234	3123	288
7.0000E+07	3.1300E-06	7.2000E+07	2.7800E-06	7.4000E+07	2.4800E-06	9234	3123	289
7.6000E+07	2.2500E-06	7.8000E+07	2.0700E-06	8.0000E+07	1.9000E-06	9234	3123	290
8.5000E+07	1.6700E-06	9.0000E+07	1.4800E-06	9.5000E+07	1.3500E-06	9234	3123	291
1.0000E+08	1.2500E-06					9234	3123	292
					9234	3	0	293
9.2234E+04	2.3400E+02	0	0	0	09234	3124	294	
-4.7239E+07	-4.7239E+07	0	0	1	219234	3124	295	
21	2				9234	3124	296	
4.7441E+07	0.0000E+00	5.0000E+07	2.8200E-13	5.2000E+07	3.4000E-11	9234	3124	297
5.4000E+07	6.3700E-10	5.6000E+07	3.9100E-09	5.8000E+07	1.2400E-08	9234	3124	298
6.0000E+07	2.2600E-08	6.2000E+07	3.8800E-08	6.4000E+07	5.3700E-08	9234	3124	299
6.6000E+07	6.5000E-08	6.8000E+07	7.0300E-08	7.0000E+07	7.0600E-08	9234	3124	300
7.2000E+07	6.7700E-08	7.4000E+07	6.3000E-08	7.6000E+07	5.7500E-08	9234	3124	301
7.8000E+07	5.2200E-08	8.0000E+07	4.6800E-08	8.5000E+07	3.6400E-08	9234	3124	302
9.0000E+07	2.9300E-08	9.5000E+07	2.4900E-08	1.0000E+08	2.2300E-08	9234	3124	303
					9234	3	0	304
9.2234E+04	2.3400E+02	0	0	0	09234	3125	305	
-5.3617E+07	-5.3617E+07	0	0	1	189234	3125	306	
18	2				9234	3125	307	
5.3846E+07	0.0000E+00	5.6000E+07	1.6400E-17	5.8000E+07	1.2400E-14	9234	3125	308
6.0000E+07	2.9800E-13	6.2000E+07	4.0000E-12	6.4000E+07	2.2000E-11	9234	3125	309
6.6000E+07	7.8200E-11	6.8000E+07	1.7700E-10	7.0000E+07	3.1100E-10	9234	3125	310
7.2000E+07	4.5500E-10	7.4000E+07	5.8700E-10	7.6000E+07	6.8300E-10	9234	3125	311
7.8000E+07	7.3700E-10	8.0000E+07	7.6200E-10	8.5000E+07	6.9800E-10	9234	3125	312
9.0000E+07	5.8600E-10	9.5000E+07	4.6000E-10	1.0000E+08	3.8000E-10	9234	3125	313
					9234	3	0	314
9.2234E+04	2.3400E+02	0	0	0	09234	3126	315	

-6.1218E+07	-6.1218E+07	0	0	1	149234	3126	316	
14	2				9234	3126	317	
6.1480E+07	0.0000E+00	6.4000E+07	4.1200E-22	6.6000E+07	2.4500E-18	9234	3126	318
6.8000E+07	1.9600E-16	7.0000E+07	3.5000E-15	7.2000E+07	2.7900E-14	9234	3126	319
7.4000E+07	1.2500E-13	7.6000E+07	3.5400E-13	7.8000E+07	7.6300E-13	9234	3126	320
8.0000E+07	1.3800E-12	8.5000E+07	2.8000E-12	9.0000E+07	3.4400E-12	9234	3126	321
9.5000E+07	3.2500E-12	1.0000E+08	2.8500E-12			9234	3126	322
					9234	3	0	323
9.2234E+04	2.3400E+02	0	0	0	09234	3153	324	
-4.4091E+06	-4.4091E+06	0	0	1	559234	3153	325	
55	2				9234	3153	326	
4.4279E+06	0.0000E+00	1.1000E+07	8.3900E-15	1.2000E+07	7.9000E-13	9234	3153	327
1.3000E+07	8.3700E-12	1.4000E+07	7.7700E-04	1.5000E+07	1.5100E-03	9234	3153	328
1.6000E+07	2.5200E-03	1.7000E+07	3.8700E-03	1.8000E+07	4.8700E-03	9234	3153	329
1.9000E+07	7.2700E-03	2.0000E+07	1.0100E-02	2.1000E+07	1.3100E-02	9234	3153	330
2.2000E+07	1.5800E-02	2.3000E+07	2.0500E-02	2.4000E+07	2.6100E-02	9234	3153	331
2.5000E+07	3.1700E-02	2.6000E+07	3.7200E-02	2.7000E+07	4.1800E-02	9234	3153	332
2.8000E+07	4.7000E-02	2.9000E+07	5.1200E-02	3.0000E+07	5.5000E-02	9234	3153	333
3.1000E+07	5.8400E-02	3.2000E+07	6.0000E-02	3.3000E+07	6.2600E-02	9234	3153	334
3.4000E+07	6.4700E-02	3.5000E+07	6.6200E-02	3.6000E+07	6.6700E-02	9234	3153	335
3.7000E+07	6.5300E-02	3.8000E+07	6.4900E-02	3.9000E+07	6.4600E-02	9234	3153	336
4.0000E+07	6.4600E-02	4.2000E+07	6.3000E-02	4.4000E+07	6.1500E-02	9234	3153	337
4.6000E+07	6.0700E-02	4.8000E+07	6.0300E-02	5.0000E+07	5.9300E-02	9234	3153	338
5.2000E+07	5.8800E-02	5.4000E+07	5.7700E-02	5.6000E+07	5.7000E-02	9234	3153	339
5.8000E+07	5.6400E-02	6.0000E+07	5.6700E-02	6.2000E+07	5.6100E-02	9234	3153	340
6.4000E+07	5.5400E-02	6.6000E+07	5.4800E-02	6.8000E+07	5.4100E-02	9234	3153	341
7.0000E+07	5.3600E-02	7.2000E+07	5.3200E-02	7.4000E+07	5.2600E-02	9234	3153	342
7.6000E+07	5.1900E-02	7.8000E+07	5.1500E-02	8.0000E+07	5.1100E-02	9234	3153	343
8.5000E+07	4.9700E-02	9.0000E+07	4.9100E-02	9.5000E+07	4.7500E-02	9234	3153	344
1.0000E+08	4.6500E-02					9234	3153	345
					9234	3	0	346
9.2234E+04	2.3400E+02	0	0	0	09234	3154	347	
-1.0928E+07	-1.0928E+07	0	0	1	489234	3154	348	
48	2				9234	3154	349	
1.0974E+07	0.0000E+00	1.8000E+07	9.8300E-11	1.9000E+07	1.0500E-09	9234	3154	350
2.0000E+07	3.4600E-08	2.1000E+07	1.6000E-06	2.2000E+07	1.4400E-05	9234	3154	351
2.3000E+07	6.5200E-05	2.4000E+07	2.2200E-04	2.5000E+07	5.9300E-04	9234	3154	352
2.6000E+07	1.3000E-03	2.7000E+07	2.4400E-03	2.8000E+07	4.1500E-03	9234	3154	353
2.9000E+07	6.4700E-03	3.0000E+07	9.2300E-03	3.1000E+07	1.2600E-02	9234	3154	354
3.2000E+07	1.6100E-02	3.3000E+07	1.9700E-02	3.4000E+07	2.3200E-02	9234	3154	355
3.5000E+07	2.6600E-02	3.6000E+07	3.0100E-02	3.7000E+07	3.3400E-02	9234	3154	356
3.8000E+07	3.6700E-02	3.9000E+07	3.9400E-02	4.0000E+07	4.1700E-02	9234	3154	357
4.2000E+07	4.7900E-02	4.4000E+07	4.9900E-02	4.6000E+07	5.1200E-02	9234	3154	358
4.8000E+07	5.1800E-02	5.0000E+07	5.0900E-02	5.2000E+07	4.9100E-02	9234	3154	359
5.4000E+07	4.6900E-02	5.6000E+07	4.5200E-02	5.8000E+07	4.3900E-02	9234	3154	360
6.0000E+07	4.2900E-02	6.2000E+07	4.2000E-02	6.4000E+07	4.0900E-02	9234	3154	361
6.6000E+07	4.0200E-02	6.8000E+07	3.9700E-02	7.0000E+07	3.9100E-02	9234	3154	362
7.2000E+07	3.8500E-02	7.4000E+07	3.7900E-02	7.6000E+07	3.7300E-02	9234	3154	363
7.8000E+07	3.6700E-02	8.0000E+07	3.6300E-02	8.5000E+07	3.5000E-02	9234	3154	364
9.0000E+07	3.4200E-02	9.5000E+07	3.3200E-02	1.0000E+08	3.2200E-02	9234	3154	365
					9234	3	0	366
9.2234E+04	2.3400E+02	0	0	0	09234	3155	367	
-1.6488E+07	-1.6488E+07	0	0	1	429234	3155	368	
42	2				9234	3155	369	
1.6559E+07	0.0000E+00	2.4000E+07	2.3000E-10	2.5000E+07	3.0200E-09	9234	3155	370
2.6000E+07	2.4700E-08	2.7000E+07	8.3000E-07	2.8000E+07	7.2200E-06	9234	3155	371
2.9000E+07	3.6700E-05	3.0000E+07	1.2300E-04	3.1000E+07	3.3100E-04	9234	3155	372
3.2000E+07	7.5000E-04	3.3000E+07	1.4400E-03	3.4000E+07	2.4200E-03	9234	3155	373
3.5000E+07	3.8700E-03	3.6000E+07	5.5800E-03	3.7000E+07	7.5400E-03	9234	3155	374
3.8000E+07	9.6500E-03	3.9000E+07	1.2000E-02	4.0000E+07	1.4200E-02	9234	3155	375
4.2000E+07	1.7800E-02	4.4000E+07	2.1700E-02	4.6000E+07	2.4800E-02	9234	3155	376
4.8000E+07	2.7400E-02	5.0000E+07	2.9600E-02	5.2000E+07	3.2000E-02	9234	3155	377
5.4000E+07	3.4400E-02	5.6000E+07	3.5600E-02	5.8000E+07	3.6500E-02	9234	3155	378
6.0000E+07	3.6400E-02	6.2000E+07	3.6100E-02	6.4000E+07	3.5700E-02	9234	3155	379
6.6000E+07	3.4900E-02	6.8000E+07	3.2900E-02	7.0000E+07	3.1500E-02	9234	3155	380
7.2000E+07	3.0000E-02	7.4000E+07	2.9100E-02	7.6000E+07	2.8200E-02	9234	3155	381
7.8000E+07	2.7700E-02	8.0000E+07	2.7000E-02	8.5000E+07	2.6000E-02	9234	3155	382

9.0000E+07	2.4900E-02	9.5000E+07	2.4000E-02	1.0000E+08	2.3300E-02	9234	3155	383
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0	0	09234	3156	385
-2.3303E+07	-2.3303E+07	0	0	1	1	359234	3156	386
	35	2				9234	3156	387
2.3402E+07	0.0000E+00	3.1000E+07	3.6400E-11	3.2000E+07	1.0000E-09	9234	3156	388
3.3000E+07	7.9500E-09	3.4000E+07	8.5300E-08	3.5000E+07	9.9700E-07	9234	3156	389
3.6000E+07	5.9300E-06	3.7000E+07	2.4400E-05	3.8000E+07	7.5300E-05	9234	3156	390
3.9000E+07	2.0100E-04	4.0000E+07	4.4800E-04	4.2000E+07	1.4400E-03	9234	3156	391
4.4000E+07	3.4200E-03	4.6000E+07	6.1700E-03	4.8000E+07	9.2300E-03	9234	3156	392
5.0000E+07	1.2300E-02	5.2000E+07	1.4700E-02	5.4000E+07	1.6600E-02	9234	3156	393
5.6000E+07	1.8000E-02	5.8000E+07	1.9200E-02	6.0000E+07	2.0200E-02	9234	3156	394
6.2000E+07	2.1200E-02	6.4000E+07	2.2100E-02	6.6000E+07	2.3000E-02	9234	3156	395
6.8000E+07	2.3800E-02	7.0000E+07	2.4700E-02	7.2000E+07	2.5300E-02	9234	3156	396
7.4000E+07	2.5700E-02	7.6000E+07	2.5700E-02	7.8000E+07	2.5500E-02	9234	3156	397
8.0000E+07	2.5000E-02	8.5000E+07	2.3000E-02	9.0000E+07	2.1300E-02	9234	3156	398
9.5000E+07	1.9800E-02	1.0000E+08	1.8600E-02			9234	3156	399
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0	0	09234	3157	401
-2.9096E+07	-2.9096E+07	0	0	1	1	309234	3157	402
	30	2				9234	3157	403
2.9220E+07	0.0000E+00	3.6000E+07	3.5800E-15	3.7000E+07	4.6300E-12	9234	3157	404
3.8000E+07	1.6600E-10	3.9000E+07	1.7600E-09	4.0000E+07	1.4300E-08	9234	3157	405
4.2000E+07	9.6900E-07	4.4000E+07	1.4700E-05	4.6000E+07	9.4000E-05	9234	3157	406
4.8000E+07	3.8200E-04	5.0000E+07	1.1200E-03	5.2000E+07	2.3400E-03	9234	3157	407
5.4000E+07	3.9900E-03	5.6000E+07	5.8700E-03	5.8000E+07	7.6500E-03	9234	3157	408
6.0000E+07	9.1100E-03	6.2000E+07	1.0300E-02	6.4000E+07	1.1200E-02	9234	3157	409
6.6000E+07	1.1900E-02	6.8000E+07	1.2500E-02	7.0000E+07	1.3000E-02	9234	3157	410
7.2000E+07	1.3500E-02	7.4000E+07	1.3800E-02	7.6000E+07	1.4200E-02	9234	3157	411
7.8000E+07	1.4500E-02	8.0000E+07	1.4900E-02	8.5000E+07	1.5900E-02	9234	3157	412
9.0000E+07	1.6300E-02	9.5000E+07	1.6100E-02	1.0000E+08	1.5100E-02	9234	3157	413
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0	0	09234	3158	415
-3.6150E+07	-3.6150E+07	0	0	1	1	249234	3158	416
	24	2				9234	3158	417
3.6305E+07	0.0000E+00	4.4000E+07	6.1700E-13	4.6000E+07	2.1800E-10	9234	3158	418
4.8000E+07	9.5800E-09	5.0000E+07	3.3600E-07	5.2000E+07	4.9400E-06	9234	3158	419
5.4000E+07	3.6000E-05	5.6000E+07	1.4300E-04	5.8000E+07	4.1500E-04	9234	3158	420
6.0000E+07	8.8800E-04	6.2000E+07	1.5900E-03	6.4000E+07	2.4700E-03	9234	3158	421
6.6000E+07	3.4100E-03	6.8000E+07	4.2100E-03	7.0000E+07	4.9000E-03	9234	3158	422
7.2000E+07	5.4500E-03	7.4000E+07	5.8600E-03	7.6000E+07	6.1800E-03	9234	3158	423
7.8000E+07	6.4200E-03	8.0000E+07	6.6500E-03	8.5000E+07	7.1200E-03	9234	3158	424
9.0000E+07	7.3600E-03	9.5000E+07	7.6900E-03	1.0000E+08	8.0900E-03	9234	3158	425
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0	0	09234	3159	427
-4.2184E+07	-4.2184E+07	0	0	1	1	219234	3159	428
	21	2				9234	3159	429
4.2364E+07	0.0000E+00	5.0000E+07	1.0400E-15	5.2000E+07	4.2600E-12	9234	3159	430
5.4000E+07	4.3000E-10	5.6000E+07	1.3000E-08	5.8000E+07	2.1900E-07	9234	3159	431
6.0000E+07	1.8200E-06	6.2000E+07	1.0500E-05	6.4000E+07	4.0700E-05	9234	3159	432
6.6000E+07	1.1600E-04	6.8000E+07	2.4600E-04	7.0000E+07	4.4500E-04	9234	3159	433
7.2000E+07	7.1100E-04	7.4000E+07	1.0000E-03	7.6000E+07	1.3100E-03	9234	3159	434
7.8000E+07	1.5400E-03	8.0000E+07	1.7100E-03	8.5000E+07	2.0500E-03	9234	3159	435
9.0000E+07	2.2100E-03	9.5000E+07	2.3400E-03	1.0000E+08	2.4900E-03	9234	3159	436
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0	0	09234	3160	438
-4.9453E+07	-4.9453E+07	0	0	1	1	179234	3160	439
	17	2				9234	3160	440
4.9664E+07	0.0000E+00	5.8000E+07	5.0700E-15	6.0000E+07	1.0400E-12	9234	3160	441
6.2000E+07	6.2200E-11	6.4000E+07	1.8600E-09	6.6000E+07	2.9900E-08	9234	3160	442
6.8000E+07	2.6000E-07	7.0000E+07	1.5500E-06	7.2000E+07	6.8100E-06	9234	3160	443
7.4000E+07	2.0400E-05	7.6000E+07	5.3600E-05	7.8000E+07	1.0400E-04	9234	3160	444
8.0000E+07	1.5100E-04	8.5000E+07	3.6800E-04	9.0000E+07	5.5900E-04	9234	3160	445
9.5000E+07	6.7000E-04	1.0000E+08	7.2400E-04			9234	3160	446
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0	0	09234	3161	448
-5.5815E+07	-5.5815E+07	0	0	1	1	149234	3161	449

						9234	3161	450
5.6054E+07	0.0000E+00	6.4000E+07	9.9600E-20	6.6000E+07	4.8500E-16	9234	3161	451
6.8000E+07	7.2800E-14	7.0000E+07	3.2900E-12	7.2000E+07	8.7200E-11	9234	3161	452
7.4000E+07	1.1000E-09	7.6000E+07	9.3500E-09	7.8000E+07	4.7000E-08	9234	3161	453
8.0000E+07	1.3100E-07	8.5000E+07	1.5400E-06	9.0000E+07	6.1900E-06	9234	3161	454
9.5000E+07	1.3400E-05	1.0000E+08	1.9800E-05			9234	3161	455
						9234	3 0	456
9.2234E+04	2.3400E+02	0	0	0		09234	3162	457
-6.2953E+07	-6.2953E+07	0	0	1		109234	3162	458
						9234	3162	459
6.3222E+07	0.0000E+00	7.2000E+07	4.6700E-22	7.4000E+07	1.6900E-18	9234	3162	460
7.6000E+07	2.5400E-16	7.8000E+07	1.4100E-14	8.0000E+07	2.4400E-13	9234	3162	461
8.5000E+07	6.6900E-11	9.0000E+07	2.4300E-09	9.5000E+07	2.3000E-08	9234	3162	462
1.0000E+08	9.2000E-08					9234	3162	463
						9234	3 0	464
9.2234E+04	2.3400E+02	0	0	0		09234	3174	465
-9.6584E+06	-9.6584E+06	0	0	1		439234	3174	466
						9234	3174	467
9.6997E+06	0.0000E+00	2.3000E+07	1.4600E-20	2.4000E+07	1.0800E-18	9234	3174	468
2.5000E+07	1.7900E-17	2.6000E+07	1.4600E-13	2.7000E+07	1.6200E-12	9234	3174	469
2.8000E+07	9.7600E-12	2.9000E+07	4.0400E-11	3.0000E+07	3.5400E-09	9234	3174	470
3.1000E+07	4.7000E-08	3.2000E+07	1.7000E-07	3.3000E+07	4.6100E-07	9234	3174	471
3.4000E+07	1.4000E-06	3.5000E+07	2.1000E-06	3.6000E+07	4.1400E-06	9234	3174	472
3.7000E+07	8.4000E-06	3.8000E+07	1.6200E-05	3.9000E+07	3.1900E-05	9234	3174	473
4.0000E+07	6.3600E-05	4.2000E+07	2.6500E-04	4.4000E+07	5.6000E-04	9234	3174	474
4.6000E+07	9.8300E-04	4.8000E+07	1.4800E-03	5.0000E+07	2.0300E-03	9234	3174	475
5.2000E+07	2.6500E-03	5.4000E+07	3.1600E-03	5.6000E+07	3.6200E-03	9234	3174	476
5.8000E+07	4.0300E-03	6.0000E+07	4.3300E-03	6.2000E+07	4.5200E-03	9234	3174	477
6.4000E+07	4.6100E-03	6.6000E+07	4.7100E-03	6.8000E+07	4.7700E-03	9234	3174	478
7.0000E+07	4.7600E-03	7.2000E+07	4.8500E-03	7.4000E+07	4.8900E-03	9234	3174	479
7.6000E+07	4.9300E-03	7.8000E+07	4.9300E-03	8.0000E+07	4.9200E-03	9234	3174	480
8.5000E+07	4.9300E-03	9.0000E+07	4.8600E-03	9.5000E+07	4.8000E-03	9234	3174	481
1.0000E+08	4.9300E-03					9234	3174	482
						9234	3 0	483
9.2234E+04	2.3400E+02	0	0	0		09234	3175	484
9.9772E+06	9.9772E+06	0	0	1		609234	3175	485
						9234	3175	486
1.0000E-05	0.0000E+00	6.0000E+06	1.4200E-08	7.0000E+06	1.1100E-07	9234	3175	487
8.0000E+06	5.2600E-07	9.0000E+06	1.9700E-06	1.0000E+07	6.4900E-06	9234	3175	488
1.1000E+07	1.9400E-05	1.2000E+07	5.2200E-05	1.3000E+07	1.2400E-04	9234	3175	489
1.4000E+07	2.5700E-04	1.5000E+07	4.6400E-04	1.6000E+07	7.4500E-04	9234	3175	490
1.7000E+07	1.0800E-03	1.8000E+07	1.4100E-03	1.9000E+07	1.6900E-03	9234	3175	491
2.0000E+07	1.8800E-03	2.1000E+07	2.0100E-03	2.2000E+07	2.0400E-03	9234	3175	492
2.3000E+07	2.0400E-03	2.4000E+07	2.0000E-03	2.5000E+07	1.9500E-03	9234	3175	493
2.6000E+07	1.8800E-03	2.7000E+07	1.7900E-03	2.8000E+07	1.6900E-03	9234	3175	494
2.9000E+07	1.5900E-03	3.0000E+07	1.4800E-03	3.1000E+07	1.3700E-03	9234	3175	495
3.2000E+07	1.2700E-03	3.3000E+07	1.1800E-03	3.4000E+07	1.1000E-03	9234	3175	496
3.5000E+07	1.0200E-03	3.6000E+07	9.4700E-04	3.7000E+07	8.7500E-04	9234	3175	497
3.8000E+07	8.0700E-04	3.9000E+07	7.4100E-04	4.0000E+07	6.8000E-04	9234	3175	498
4.2000E+07	5.5900E-04	4.4000E+07	4.6700E-04	4.6000E+07	4.0000E-04	9234	3175	499
4.8000E+07	3.4600E-04	5.0000E+07	3.0300E-04	5.2000E+07	2.8500E-04	9234	3175	500
5.4000E+07	3.4900E-04	5.6000E+07	4.5000E-04	5.8000E+07	6.3400E-04	9234	3175	501
6.0000E+07	9.4600E-04	6.2000E+07	1.3500E-03	6.4000E+07	1.7400E-03	9234	3175	502
6.6000E+07	2.1100E-03	6.8000E+07	2.5000E-03	7.0000E+07	2.8100E-03	9234	3175	503
7.2000E+07	3.0800E-03	7.4000E+07	3.2800E-03	7.6000E+07	3.3700E-03	9234	3175	504
7.8000E+07	3.4600E-03	8.0000E+07	3.4700E-03	8.5000E+07	3.4800E-03	9234	3175	505
9.0000E+07	3.4400E-03	9.5000E+07	3.4100E-03	1.0000E+08	3.4200E-03	9234	3 0	507
						9234	3176	508
9.2234E+04	2.3400E+02	0	0	0		09234	3176	508
4.8564E+06	4.8564E+06	0	0	1		559234	3176	509
						9234	3176	510
1.0000E-05	0.0000E+00	1.1000E+07	1.4200E-07	1.2000E+07	6.9900E-07	9234	3176	511
1.3000E+07	2.4000E-06	1.4000E+07	7.8400E-06	1.5000E+07	2.3600E-05	9234	3176	512
1.6000E+07	6.5000E-05	1.7000E+07	1.6900E-04	1.8000E+07	3.7100E-04	9234	3176	513
1.9000E+07	7.4400E-04	2.0000E+07	1.2700E-03	2.1000E+07	1.8200E-03	9234	3176	514
2.2000E+07	2.5400E-03	2.3000E+07	3.3000E-03	2.4000E+07	4.0800E-03	9234	3176	515
2.5000E+07	4.8700E-03	2.6000E+07	5.5600E-03	2.7000E+07	6.0700E-03	9234	3176	516

2.8000E+07	6.4000E-03	2.9000E+07	6.5300E-03	3.0000E+07	6.5100E-039234	3176	517
3.1000E+07	6.4100E-03	3.2000E+07	6.2100E-03	3.3000E+07	5.9700E-039234	3176	518
3.4000E+07	5.6800E-03	3.5000E+07	5.3300E-03	3.6000E+07	5.0000E-039234	3176	519
3.7000E+07	4.6800E-03	3.8000E+07	4.3600E-03	3.9000E+07	4.0400E-039234	3176	520
4.0000E+07	3.7500E-03	4.2000E+07	3.0300E-03	4.4000E+07	2.6000E-039234	3176	521
4.6000E+07	2.2000E-03	4.8000E+07	1.8200E-03	5.0000E+07	1.5200E-039234	3176	522
5.2000E+07	1.2700E-03	5.4000E+07	1.1700E-03	5.6000E+07	9.8300E-049234	3176	523
5.8000E+07	8.3500E-04	6.0000E+07	7.0500E-04	6.2000E+07	6.1600E-049234	3176	524
6.4000E+07	5.7300E-04	6.6000E+07	5.8200E-04	6.8000E+07	6.6700E-049234	3176	525
7.0000E+07	8.4100E-04	7.2000E+07	1.1000E-03	7.4000E+07	1.4300E-039234	3176	526
7.6000E+07	1.7900E-03	7.8000E+07	2.1700E-03	8.0000E+07	2.5300E-039234	3176	527
8.5000E+07	3.3300E-03	9.0000E+07	3.8000E-03	9.5000E+07	4.0100E-039234	3176	528
1.0000E+08	4.0500E-03				9234	3176	529
					9234	3	0
9.2234E+04	2.3400E+02	0	0	0	09234	3177	531
-1.9349E+06	-1.9349E+06	0	0	1	489234	3177	532
	48	2			9234	3177	533
1.9432E+06	0.0000E+00	1.8000E+07	2.3400E-08	1.9000E+07	3.4000E-079234	3177	534
2.0000E+07	1.4700E-06	2.1000E+07	4.6000E-06	2.2000E+07	1.3100E-059234	3177	535
2.3000E+07	3.5500E-05	2.4000E+07	9.1200E-05	2.5000E+07	2.1900E-049234	3177	536
2.6000E+07	4.6500E-04	2.7000E+07	8.7000E-04	2.8000E+07	1.4700E-039234	3177	537
2.9000E+07	2.2100E-03	3.0000E+07	3.0400E-03	3.1000E+07	3.8800E-039234	3177	538
3.2000E+07	4.7000E-03	3.3000E+07	5.3700E-03	3.4000E+07	5.8800E-039234	3177	539
3.5000E+07	6.2000E-03	3.6000E+07	6.3300E-03	3.7000E+07	6.3300E-039234	3177	540
3.8000E+07	6.2200E-03	3.9000E+07	6.0300E-03	4.0000E+07	5.8000E-039234	3177	541
4.2000E+07	5.0200E-03	4.4000E+07	4.4000E-03	4.6000E+07	3.8000E-039234	3177	542
4.8000E+07	3.2400E-03	5.0000E+07	2.7700E-03	5.2000E+07	2.3300E-039234	3177	543
5.4000E+07	2.0800E-03	5.6000E+07	1.7200E-03	5.8000E+07	1.4500E-039234	3177	544
6.0000E+07	1.2200E-03	6.2000E+07	1.0500E-03	6.4000E+07	8.8800E-049234	3177	545
6.6000E+07	7.4200E-04	6.8000E+07	6.1200E-04	7.0000E+07	4.9200E-049234	3177	546
7.2000E+07	3.9100E-04	7.4000E+07	3.1600E-04	7.6000E+07	2.7400E-049234	3177	547
7.8000E+07	2.7900E-04	8.0000E+07	3.3800E-04	8.5000E+07	6.9900E-049234	3177	548
9.0000E+07	1.3000E-03	9.5000E+07	1.8200E-03	1.0000E+08	2.2600E-039234	3177	549
					9234	3	0
9.2234E+04	2.3400E+02	0	0	0	09234	3178	551
-7.1837E+06	-7.1837E+06	0	0	1	439234	3178	552
	43	2			9234	3178	553
7.2144E+06	0.0000E+00	2.3000E+07	2.0800E-10	2.4000E+07	4.8000E-089234	3178	554
2.5000E+07	4.3000E-07	2.6000E+07	1.6900E-06	2.7000E+07	5.0400E-069234	3178	555
2.8000E+07	1.4500E-05	2.9000E+07	3.8600E-05	3.0000E+07	9.6900E-059234	3178	556
3.1000E+07	2.2800E-04	3.2000E+07	4.8100E-04	3.3000E+07	8.3500E-049234	3178	557
3.4000E+07	1.3800E-03	3.5000E+07	2.1100E-03	3.6000E+07	2.9500E-039234	3178	558
3.7000E+07	3.8200E-03	3.8000E+07	4.7500E-03	3.9000E+07	5.5800E-039234	3178	559
4.0000E+07	6.3800E-03	4.2000E+07	7.3700E-03	4.4000E+07	7.8000E-039234	3178	560
4.6000E+07	7.6700E-03	4.8000E+07	7.1500E-03	5.0000E+07	6.4700E-039234	3178	561
5.2000E+07	5.7200E-03	5.4000E+07	5.2300E-03	5.6000E+07	4.4900E-039234	3178	562
5.8000E+07	3.8900E-03	6.0000E+07	3.3000E-03	6.2000E+07	2.7900E-039234	3178	563
6.4000E+07	2.3600E-03	6.6000E+07	1.9900E-03	6.8000E+07	1.6900E-039234	3178	564
7.0000E+07	1.4400E-03	7.2000E+07	1.2100E-03	7.4000E+07	1.0300E-039234	3178	565
7.6000E+07	8.4600E-04	7.8000E+07	6.1400E-04	8.0000E+07	4.8000E-049234	3178	566
8.5000E+07	2.5400E-04	9.0000E+07	2.9900E-04	9.5000E+07	6.0000E-049234	3178	567
1.0000E+08	9.6800E-04				9234	3178	568
					9234	3	0
9.2234E+04	2.3400E+02	0	0	0	09234	3179	570
-1.4304E+07	-1.4304E+07	0	0	1	369234	3179	571
	36	2			9234	3179	572
1.4365E+07	0.0000E+00	3.0000E+07	1.2900E-13	3.1000E+07	4.8800E-109234	3179	573
3.2000E+07	1.3100E-08	3.3000E+07	8.9800E-08	3.4000E+07	3.9900E-079234	3179	574
3.5000E+07	1.3900E-06	3.6000E+07	4.3200E-06	3.7000E+07	1.1600E-059234	3179	575
3.8000E+07	2.9400E-05	3.9000E+07	6.8800E-05	4.0000E+07	1.4700E-049234	3179	576
4.2000E+07	6.0600E-04	4.4000E+07	1.3500E-03	4.6000E+07	2.3000E-039234	3179	577
4.8000E+07	3.2200E-03	5.0000E+07	3.8600E-03	5.2000E+07	4.1400E-039234	3179	578
5.4000E+07	4.1700E-03	5.6000E+07	3.9600E-03	5.8000E+07	3.6200E-039234	3179	579
6.0000E+07	3.2200E-03	6.2000E+07	2.8400E-03	6.4000E+07	2.4500E-039234	3179	580
6.6000E+07	2.1100E-03	6.8000E+07	1.8100E-03	7.0000E+07	1.5200E-039234	3179	581
7.2000E+07	1.2700E-03	7.4000E+07	1.0800E-03	7.6000E+07	9.1200E-049234	3179	582
7.8000E+07	7.9500E-04	8.0000E+07	6.7400E-04	8.5000E+07	4.2700E-049234	3179	583

9.0000E+07	2.3100E-04	9.5000E+07	9.7400E-05	1.0000E+08	7.8100E-05	9234	3179	584
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0		09234	3180	586
-1.9758E+07	-1.9758E+07	0	0	1		309234	3180	587
30	2					9234	3180	588
1.9843E+07	0.0000E+00	3.6000E+07	5.5600E-13	3.7000E+07	2.4200E-10	9234	3180	589
3.8000E+07	5.8300E-09	3.9000E+07	4.3600E-08	4.0000E+07	2.0800E-07	9234	3180	590
4.2000E+07	2.7100E-06	4.4000E+07	1.8200E-05	4.6000E+07	9.1300E-05	9234	3180	591
4.8000E+07	3.5300E-04	5.0000E+07	8.8300E-04	5.2000E+07	1.7200E-03	9234	3180	592
5.4000E+07	2.3900E-03	5.6000E+07	3.3300E-03	5.8000E+07	4.0800E-03	9234	3180	593
6.0000E+07	4.5700E-03	6.2000E+07	4.4800E-03	6.4000E+07	4.3400E-03	9234	3180	594
6.6000E+07	4.0600E-03	6.8000E+07	3.7100E-03	7.0000E+07	3.3000E-03	9234	3180	595
7.2000E+07	2.8500E-03	7.4000E+07	2.5000E-03	7.6000E+07	2.1500E-03	9234	3180	596
7.8000E+07	1.8400E-03	8.0000E+07	1.5700E-03	8.5000E+07	1.0500E-03	9234	3180	597
9.0000E+07	7.0400E-04	9.5000E+07	4.3900E-04	1.0000E+08	2.3100E-04	9234	3180	598
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0		09234	3181	600
-2.6944E+07	-2.6944E+07	0	0	1		249234	3181	601
24	2					9234	3181	602
2.7059E+07	0.0000E+00	4.4000E+07	9.4000E-12	4.6000E+07	2.3500E-09	9234	3181	603
4.8000E+07	5.7200E-08	5.0000E+07	6.2000E-07	5.2000E+07	5.0000E-06	9234	3181	604
5.4000E+07	1.8100E-05	5.6000E+07	7.6500E-05	5.8000E+07	2.2600E-04	9234	3181	605
6.0000E+07	5.0300E-04	6.2000E+07	9.4900E-04	6.4000E+07	1.4700E-03	9234	3181	606
6.6000E+07	1.9500E-03	6.8000E+07	2.3100E-03	7.0000E+07	2.5300E-03	9234	3181	607
7.2000E+07	2.6100E-03	7.4000E+07	2.5500E-03	7.6000E+07	2.3900E-03	9234	3181	608
7.8000E+07	2.1900E-03	8.0000E+07	1.9700E-03	8.5000E+07	1.4200E-03	9234	3181	609
9.0000E+07	9.6600E-04	9.5000E+07	6.4900E-04	1.0000E+08	4.2800E-04	9234	3181	610
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0		09234	3182	612
-3.2705E+07	-3.2705E+07	0	0	1		219234	3182	613
21	2					9234	3182	614
3.2845E+07	0.0000E+00	5.0000E+07	9.2800E-13	5.2000E+07	3.2500E-10	9234	3182	615
5.4000E+07	8.0400E-09	5.6000E+07	1.0300E-07	5.8000E+07	8.4400E-07	9234	3182	616
6.0000E+07	4.8900E-06	6.2000E+07	2.2000E-05	6.4000E+07	8.0800E-05	9234	3182	617
6.6000E+07	2.1600E-04	6.8000E+07	4.5100E-04	7.0000E+07	8.0500E-04	9234	3182	618
7.2000E+07	1.2500E-03	7.4000E+07	1.6100E-03	7.6000E+07	1.9500E-03	9234	3182	619
7.8000E+07	2.1900E-03	8.0000E+07	2.3000E-03	8.5000E+07	2.1700E-03	9234	3182	620
9.0000E+07	1.7600E-03	9.5000E+07	1.2800E-03	1.0000E+08	8.8200E-04	9234	3182	621
						9234	3	0
9.2234E+04	2.3400E+02	0	0	0		09234	3183	623
-4.0040E+07	-4.0040E+07	0	0	1		179234	3183	624
17	2					9234	3183	625
4.0211E+07	0.0000E+00	5.8000E+07	1.1700E-13	6.0000E+07	1.8800E-11	9234	3183	626
6.2000E+07	8.0000E-10	6.4000E+07	1.4100E-08	6.6000E+07	1.4600E-07	9234	3183	627
6.8000E+07	9.8000E-07	7.0000E+07	5.5800E-06	7.2000E+07	2.3900E-05	9234	3183	628
7.4000E+07	7.8800E-05	7.6000E+07	1.9500E-04	7.8000E+07	3.8100E-04	9234	3183	629
8.0000E+07	6.4300E-04	8.5000E+07	1.4200E-03	9.0000E+07	1.9100E-03	9234	3183	630
9.5000E+07	1.9000E-03	1.0000E+08	1.5800E-03			9234	3183	631
						9234	3	0
						9234	0	0
						0	0	0
						-1	0	0
						0	0	0
U-235	WIND					0	0	0
9.2235E+04	2.3500E+02	-1	0	99		19235	1451	1
0.0000E+00	0.0000E+00	0	0	0		69235	1451	2
1.0000E+00	0.0000E+00	0	0	10		29235	1451	3
0.0000E+00	0.0000E+00	0	0	67		339235	1451	4
92-	U-235 INPE	92-	U-235 INPE	92-	U-235 INPE	9235	1451	5
						9235	1451	6
						9235	1451	7
						9235	1451	8
						9235	1451	9
						9235	1451	10
						9235	1451	11
						9235	1451	12
						9235	1451	13
						9235	1451	14

FILE OF ACTINIDE DATA LIBRARY WIND
 ENERGY OF PROJECTILE: 0-100 MEV

REFERENCE: KERNTECHNIK, 1994, V.59, P.87

CONTENT OF FILE:

MF = 1 GENERAL INFORMATION

MT = 451 COMMENTS AND DICTIONARY

MF = 3 NEUTRON CROSS-SECTIONS

(N,2N) REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM BROND-2

(N,3N) REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM BROND-2

(N,F) REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM BROND-2

THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION IS AVAILABLE FROM THE AUTHORS AFTER REQUEST

MT=16,17,18,37,103,111 ARE STANDARD ENDF-6 SECTIONS, OTHER MT NUMBERS ARE NEW ASSIGNED

IN FOLLOWING DESCRIPTION "(N,X)" MEANS SUM CROSS-SECTIONS OF ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT RADIOACTIVE DECAY TAKEN INTO ACCOUNT

MT = 16 (N,2N)	CROSS-SECTION (U234 PRODUCTION)	9235 1451 39	
MT = 17 (N,3N)	CROSS-SECTION (U233 PRODUCTION)	9235 1451 40	
MT = 18 (N,F) FISSION	CROSS-SECTION	9235 1451 41	
MT = 37 (N,4N)	CROSS-SECTION (U232 PRODUCTION)	9235 1451 42	
MT =103 (N,P)	CROSS-SECTION (Pa235 PRODUCTION)	9235 1451 43	
MT =111 (N,2P)	CROSS-SECTION (Th234 PRODUCTION)	9235 1451 44	
MT =121 (N,5N)	CROSS-SECTION (U231 PRODUCTION)	9235 1451 45	
MT =122 (N,6N)	CROSS-SECTION (U230 PRODUCTION)	9235 1451 46	
MT =123 (N,7N)	CROSS-SECTION (U229 PRODUCTION)	9235 1451 47	
MT =124 (N,8N)	CROSS-SECTION (U228 PRODUCTION)	9235 1451 48	
MT =125 (N,9N)	CROSS-SECTION (U227 PRODUCTION)	9235 1451 49	
MT =126 (N,10N)	CROSS-SECTION (U226 PRODUCTION)	9235 1451 50	
MT =153 (N,NP) + (N,D)	CROSS-SECTION (Pa234 PRODUCTION)	9235 1451 51	
MT =154 (N,2NP) + (N,ND)	CROSS-SECTION (Pa233 PRODUCTION)	9235 1451 52	
MT =155 (N,3NP) + (N,2ND)	CROSS-SECTION (Pa232 PRODUCTION)	9235 1451 53	
MT =156 (N,4NP) + (N,3ND)	CROSS-SECTION (Pa231 PRODUCTION)	9235 1451 54	
MT =157 (N,5NP) + (N,4ND)	CROSS-SECTION (Pa230 PRODUCTION)	9235 1451 55	
MT =158 (N,6NP) + (N,5ND)	CROSS-SECTION (Pa229 PRODUCTION)	9235 1451 56	
MT =159 (N,7NP) + (N,6ND)	CROSS-SECTION (Pa228 PRODUCTION)	9235 1451 57	
MT =160 (N,8NP) + (N,7ND)	CROSS-SECTION (Pa227 PRODUCTION)	9235 1451 58	
MT =161 (N,9NP) + (N,8ND)	CROSS-SECTION (Pa226 PRODUCTION)	9235 1451 59	
MT =162 (N,10NP) + (N,9ND)	CROSS-SECTION (Pa225 PRODUCTION)	9235 1451 60	
MT =174 (N,N2P) + (N,PD)	CROSS-SECTION (Th233 PRODUCTION)	9235 1451 61	
MT =175 (N,2N2P) + (N,X)	CROSS-SECTION (Th232 PRODUCTION)	9235 1451 62	
MT =176 (N,3N2P) + (N,X)	CROSS-SECTION (Th231 PRODUCTION)	9235 1451 63	
MT =177 (N,4N2P) + (N,X)	CROSS-SECTION (Th230 PRODUCTION)	9235 1451 64	
MT =178 (N,5N2P) + (N,X)	CROSS-SECTION (Th229 PRODUCTION)	9235 1451 65	
MT =179 (N,6N2P) + (N,X)	CROSS-SECTION (Th228 PRODUCTION)	9235 1451 66	
MT =180 (N,7N2P) + (N,X)	CROSS-SECTION (Th227 PRODUCTION)	9235 1451 67	
MT =181 (N,8N2P) + (N,X)	CROSS-SECTION (Th226 PRODUCTION)	9235 1451 68	
MT =182 (N,9N2P) + (N,X)	CROSS-SECTION (Th225 PRODUCTION)	9235 1451 69	
MT =183 (N,10N2P) + (N,X)	CROSS-SECTION (Th224 PRODUCTION)	9235 1451 70	
		9235 1451 71	
1	451	104	19235 1451 72
3	16	27	19235 1451 73
3	17	22	19235 1451 74
3	18	42	19235 1451 75
3	37	19	19235 1451 76
3	103	23	19235 1451 77
3	111	18	19235 1451 78
3	121	17	19235 1451 79
3	122	15	19235 1451 80
3	123	12	19235 1451 81

			3	124	11	19235	1451	82	
			3	125	9	19235	1451	83	
			3	126	8	19235	1451	84	
			3	153	21	19235	1451	85	
			3	154	20	19235	1451	86	
			3	155	18	19235	1451	87	
			3	156	16	19235	1451	88	
			3	157	13	19235	1451	89	
			3	158	12	19235	1451	90	
			3	159	10	19235	1451	91	
			3	160	9	19235	1451	92	
			3	161	8	19235	1451	93	
			3	162	7	19235	1451	94	
			3	174	15	19235	1451	95	
			3	175	24	19235	1451	96	
			3	176	22	19235	1451	97	
			3	177	20	19235	1451	98	
			3	178	18	19235	1451	99	
			3	179	16	19235	1451	100	
			3	180	13	19235	1451	101	
			3	181	12	19235	1451	102	
			3	182	10	19235	1451	103	
			3	183	9	19235	1451	104	
						9235	1	0	105
						9235	0	0	106
9.2235E+04	2.3500E+02		0	0	0	09235	3	16	107
-5.3050E+06	-5.3050E+06		0	0	1	709235	3	16	108
	70	2				9235	3	16	109
5.3278E+06	0.0000E+00	5.5000E+06	2.0000E-02	6.0000E+06	1.6700E-01	9235	3	16	110
6.5000E+06	3.2000E-01	7.0000E+06	4.7500E-01	7.5000E+06	5.2800E-01	9235	3	16	111
8.0000E+06	5.8100E-01	8.5000E+06	6.5200E-01	9.0000E+06	7.2200E-01	9235	3	16	112
9.5000E+06	7.7000E-01	1.0000E+07	8.1800E-01	1.0500E+07	8.4000E-01	9235	3	16	113
1.1000E+07	8.6200E-01	1.1500E+07	8.6700E-01	1.2000E+07	8.7100E-01	9235	3	16	114
1.2500E+07	8.0300E-01	1.3000E+07	7.3500E-01	1.3500E+07	6.3900E-01	9235	3	16	115
1.4000E+07	5.6800E-01	1.4500E+07	4.9600E-01	1.5000E+07	4.2500E-01	9235	3	16	116
1.6000E+07	3.5700E-01	1.7000E+07	3.1200E-01	1.8000E+07	2.7900E-01	9235	3	16	117
1.9000E+07	2.4500E-01	2.0000E+07	2.1900E-01	2.1000E+07	1.3600E-01	9235	3	16	118
2.2000E+07	1.2500E-01	2.3000E+07	1.1700E-01	2.4000E+07	1.1200E-01	9235	3	16	119
2.5000E+07	1.0500E-01	2.6000E+07	1.0200E-01	2.7000E+07	9.7700E-02	9235	3	16	120
2.8000E+07	9.4400E-02	2.9000E+07	9.1200E-02	3.0000E+07	8.8200E-02	9235	3	16	121
3.1000E+07	8.6400E-02	3.2000E+07	8.4100E-02	3.3000E+07	8.2700E-02	9235	3	16	122
3.4000E+07	8.1300E-02	3.5000E+07	7.9300E-02	3.6000E+07	7.7500E-02	9235	3	16	123
3.7000E+07	7.5700E-02	3.8000E+07	7.3700E-02	3.9000E+07	7.2700E-02	9235	3	16	124
4.0000E+07	7.1400E-02	4.2000E+07	6.6800E-02	4.4000E+07	6.4500E-02	9235	3	16	125
4.6000E+07	6.2800E-02	4.8000E+07	5.7800E-02	5.0000E+07	5.6400E-02	9235	3	16	126
5.2000E+07	5.5200E-02	5.4000E+07	5.3200E-02	5.6000E+07	5.1500E-02	9235	3	16	127
5.8000E+07	5.0100E-02	6.0000E+07	4.9400E-02	6.2000E+07	4.8300E-02	9235	3	16	128
6.4000E+07	4.7200E-02	6.6000E+07	4.6100E-02	6.8000E+07	4.5100E-02	9235	3	16	129
7.0000E+07	4.4100E-02	7.2000E+07	4.3200E-02	7.4000E+07	4.2300E-02	9235	3	16	130
7.6000E+07	4.1300E-02	7.8000E+07	4.0400E-02	8.0000E+07	3.9400E-02	9235	3	16	131
8.5000E+07	3.7100E-02	9.0000E+07	3.5300E-02	9.5000E+07	3.3800E-02	9235	3	16	132
1.0000E+08	3.2500E-02					9235	3	16	133
						9235	3	0	134
9.2235E+04	2.3500E+02		0	0	0	09235	3	17	135
-1.2146E+07	-1.2146E+07		0	0	1	569235	3	17	136
	56	2				9235	3	17	137
1.2198E+07	0.0000E+00	1.2500E+07	5.0000E-03	1.3000E+07	1.4000E-02	9235	3	17	138
1.3500E+07	3.3000E-02	1.4000E+07	4.2000E-02	1.4500E+07	7.9000E-02	9235	3	17	139
1.5000E+07	1.1900E-01	1.6000E+07	1.6400E-01	1.7000E+07	2.2600E-01	9235	3	17	140
1.8000E+07	2.8900E-01	1.9000E+07	2.9000E-01	2.0000E+07	2.9100E-01	9235	3	17	141
2.1000E+07	2.8000E-01	2.2000E+07	2.2656E-01	2.3000E+07	1.7925E-01	9235	3	17	142
2.4000E+07	1.4904E-01	2.5000E+07	1.2494E-01	2.6000E+07	1.0841E-01	9235	3	17	143
2.7000E+07	9.5868E-02	2.8000E+07	8.6089E-02	2.9000E+07	7.7870E-02	9235	3	17	144
3.0000E+07	7.1606E-02	3.1000E+07	6.6392E-02	3.2000E+07	6.2022E-02	9235	3	17	145
3.3000E+07	5.8293E-02	3.4000E+07	5.5100E-02	3.5000E+07	5.2242E-02	9235	3	17	146
3.6000E+07	4.9514E-02	3.7000E+07	4.7115E-02	3.8000E+07	4.5443E-02	9235	3	17	147
3.9000E+07	4.3694E-02	4.0000E+07	4.2068E-02	4.2000E+07	3.9177E-02	9235	3	17	148

4.4000E+07	3.6858E-02	4.6000E+07	3.4801E-02	4.8000E+07	3.3499E-02	9235	3	17	149
5.0000E+07	3.2046E-02	5.2000E+07	3.0534E-02	5.4000E+07	2.9361E-02	9235	3	17	150
5.6000E+07	2.8122E-02	5.8000E+07	2.7112E-02	6.0000E+07	2.6230E-02	9235	3	17	151
6.2000E+07	2.5273E-02	6.4000E+07	2.4438E-02	6.6000E+07	2.3623E-02	9235	3	17	152
6.8000E+07	2.2827E-02	7.0000E+07	2.2048E-02	7.2000E+07	2.1284E-02	9235	3	17	153
7.4000E+07	2.0635E-02	7.6000E+07	1.9999E-02	7.8000E+07	1.9474E-02	9235	3	17	154
8.0000E+07	1.8861E-02	8.5000E+07	1.6773E-02	9.0000E+07	1.5538E-02	9235	3	17	155
9.5000E+07	1.4450E-02	1.0000E+08	1.3400E-02			9235	3	17	156
						9235	3	0	157
9.2235E+04	2.3500E+02	0	0	0		09235	3	18	158
2.0005E+08	2.0005E+08	0	0	1		1159235	3	18	159
	115	2				9235	3	18	160
1.0000E+05	1.5810E+00	1.2500E+05	1.5090E+00	1.5000E+05	1.4570E+00	9235	3	18	161
1.7000E+05	1.4240E+00	1.7210E+05	1.4215E+00	1.9500E+05	1.3850E+00	9235	3	18	162
2.2000E+05	1.3430E+00	2.5000E+05	1.3020E+00	2.9000E+05	1.2670E+00	9235	3	18	163
2.9594E+05	1.2635E+00	3.3000E+05	1.2462E+00	3.6500E+05	1.2266E+00	9235	3	18	164
3.9000E+05	1.2138E+00	4.1400E+05	1.2017E+00	4.2500E+05	1.1960E+00	9235	3	18	165
4.6000E+05	1.1800E+00	4.8000E+05	1.1730E+00	5.0000E+05	1.1670E+00	9235	3	18	166
5.5000E+05	1.1550E+00	6.0000E+05	1.1450E+00	6.5000E+05	1.1400E+00	9235	3	18	167
7.0000E+05	1.1370E+00	7.5000E+05	1.1370E+00	8.0000E+05	1.1390E+00	9235	3	18	168
8.5000E+05	1.1470E+00	9.0000E+05	1.1680E+00	9.5000E+05	1.2020E+00	9235	3	18	169
1.0000E+06	1.2200E+00	1.1000E+06	1.2150E+00	1.2000E+06	1.2200E+00	9235	3	18	170
1.4000E+06	1.2390E+00	1.6000E+06	1.2640E+00	1.8000E+06	1.2880E+00	9235	3	18	171
2.0000E+06	1.2980E+00	2.2000E+06	1.2920E+00	2.4000E+06	1.2780E+00	9235	3	18	172
2.6000E+06	1.2590E+00	2.8000E+06	1.2400E+00	3.0000E+06	1.2190E+00	9235	3	18	173
3.2000E+06	1.2010E+00	3.4000E+06	1.1840E+00	3.6000E+06	1.1650E+00	9235	3	18	174
3.8000E+06	1.1480E+00	4.0000E+06	1.1320E+00	4.5000E+06	1.1110E+00	9235	3	18	175
5.0000E+06	1.0640E+00	5.5000E+06	1.0470E+00	6.0000E+06	1.1120E+00	9235	3	18	176
6.5000E+06	1.3640E+00	7.0000E+06	1.5530E+00	7.5000E+06	1.7190E+00	9235	3	18	177
8.0000E+06	1.7820E+00	8.5000E+06	1.7820E+00	9.0000E+06	1.7720E+00	9235	3	18	178
9.5000E+06	1.7620E+00	1.0000E+07	1.7490E+00	1.0500E+07	1.7380E+00	9235	3	18	179
1.1000E+07	1.7320E+00	1.1500E+07	1.7320E+00	1.2000E+07	1.7480E+00	9235	3	18	180
1.2500E+07	1.8260E+00	1.3000E+07	1.9150E+00	1.3500E+07	1.9980E+00	9235	3	18	181
1.4000E+07	2.0680E+00	1.4500E+07	2.0990E+00	1.5000E+07	2.1030E+00	9235	3	18	182
1.6000E+07	2.0680E+00	1.7000E+07	1.9860E+00	1.8000E+07	1.9390E+00	9235	3	18	183
1.9000E+07	1.9660E+00	2.0000E+07	2.0450E+00	2.1000E+07	2.0766E+00	9235	3	18	184
2.2000E+07	2.0901E+00	2.3000E+07	2.0901E+00	2.4000E+07	2.0862E+00	9235	3	18	185
2.5000E+07	2.0875E+00	2.6000E+07	2.0853E+00	2.7000E+07	2.0874E+00	9235	3	18	186
2.8000E+07	2.0860E+00	2.9000E+07	2.0821E+00	3.0000E+07	2.0753E+00	9235	3	18	187
3.1000E+07	2.0668E+00	3.2000E+07	2.0601E+00	3.3000E+07	2.0512E+00	9235	3	18	188
3.4000E+07	2.0412E+00	3.5000E+07	2.0282E+00	3.6000E+07	2.0155E+00	9235	3	18	189
3.7000E+07	2.0036E+00	3.8000E+07	1.9911E+00	3.9000E+07	1.9794E+00	9235	3	18	190
4.0000E+07	1.9689E+00	4.2000E+07	1.9533E+00	4.4000E+07	1.9325E+00	9235	3	18	191
4.6000E+07	1.9096E+00	4.8000E+07	1.8890E+00	5.0000E+07	1.8713E+00	9235	3	18	192
5.2000E+07	1.8529E+00	5.4000E+07	1.8345E+00	5.6000E+07	1.8172E+00	9235	3	18	193
5.8000E+07	1.8010E+00	6.0000E+07	1.7901E+00	6.2000E+07	1.7749E+00	9235	3	18	194
6.4000E+07	1.7597E+00	6.6000E+07	1.7452E+00	6.8000E+07	1.7318E+00	9235	3	18	195
7.0000E+07	1.7184E+00	7.2000E+07	1.7053E+00	7.4000E+07	1.6934E+00	9235	3	18	196
7.6000E+07	1.6821E+00	7.8000E+07	1.6712E+00	8.0000E+07	1.6606E+00	9235	3	18	197
8.5000E+07	1.6349E+00	9.0000E+07	1.6099E+00	9.5000E+07	1.5870E+00	9235	3	18	198
1.0000E+08	1.5655E+00					9235	3	18	199
						9235	3	0	200
9.2235E+04	2.3500E+02	0	0	0		09235	3	37	201
-1.7896E+07	-1.7896E+07	0	0	1		479235	3	37	202
	47	2				9235	3	37	203
1.7972E+07	0.0000E+00	1.9000E+07	1.9800E-04	2.0000E+07	1.1149E-02	9235	3	37	204
2.1000E+07	2.2100E-02	2.2000E+07	4.4900E-02	2.3000E+07	6.6100E-02	9235	3	37	205
2.4000E+07	7.9900E-02	2.5000E+07	9.1600E-02	2.6000E+07	9.7700E-02	9235	3	37	206
2.7000E+07	9.9100E-02	2.8000E+07	9.3500E-02	2.9000E+07	8.4100E-02	9235	3	37	207
3.0000E+07	7.3500E-02	3.1000E+07	6.3500E-02	3.2000E+07	5.5000E-02	9235	3	37	208
3.3000E+07	4.7700E-02	3.4000E+07	4.1600E-02	3.5000E+07	3.6600E-02	9235	3	37	209
3.6000E+07	3.2500E-02	3.7000E+07	2.9200E-02	3.8000E+07	2.6300E-02	9235	3	37	210
3.9000E+07	2.4000E-02	4.0000E+07	2.2100E-02	4.2000E+07	1.7200E-02	9235	3	37	211
4.4000E+07	1.5400E-02	4.6000E+07	1.3900E-02	4.8000E+07	1.2800E-02	9235	3	37	212
5.0000E+07	1.1900E-02	5.2000E+07	1.1200E-02	5.4000E+07	1.0500E-02	9235	3	37	213
5.6000E+07	9.9700E-03	5.8000E+07	9.5200E-03	6.0000E+07	9.1600E-03	9235	3	37	214
6.2000E+07	8.8000E-03	6.4000E+07	8.5500E-03	6.6000E+07	8.3000E-03	9235	3	37	215

6.8000E+07	8.0500E-03	7.0000E+07	7.7800E-03	7.2000E+07	7.5700E-03	9235	3	37	216
7.4000E+07	7.3600E-03	7.6000E+07	7.2200E-03	7.8000E+07	7.0300E-03	9235	3	37	217
8.0000E+07	6.8800E-03	8.5000E+07	6.7200E-03	9.0000E+07	6.3700E-03	9235	3	37	218
9.5000E+07	6.0900E-03	1.0000E+08	5.8200E-03			9235	3	37	219
						9235	3	0	220
9.2235E+04	2.3500E+02	0	0	0		09235	3103		221
-6.2113E+05	-6.2113E+05	0	0	1		589235	3103		222
	58	2				9235	3103		223
6.2377E+05	0.0000E+00	8.0000E+06	4.0600E-05	9.0000E+06	1.7600E-04	9235	3103		224
1.0000E+07	5.2700E-04	1.1000E+07	1.1500E-03	1.2000E+07	2.3200E-03	9235	3103		225
1.3000E+07	4.0300E-03	1.4000E+07	5.4500E-03	1.5000E+07	8.5300E-03	9235	3103		226
1.6000E+07	1.2400E-02	1.7000E+07	1.6800E-02	1.8000E+07	1.9100E-02	9235	3103		227
1.9000E+07	2.3300E-02	2.0000E+07	2.6200E-02	2.1000E+07	2.9100E-02	9235	3103		228
2.2000E+07	2.9700E-02	2.3000E+07	3.1600E-02	2.4000E+07	3.3600E-02	9235	3103		229
2.5000E+07	3.5400E-02	2.6000E+07	3.6800E-02	2.7000E+07	3.6800E-02	9235	3103		230
2.8000E+07	3.7100E-02	2.9000E+07	3.7100E-02	3.0000E+07	3.7100E-02	9235	3103		231
3.1000E+07	3.7400E-02	3.2000E+07	3.7300E-02	3.3000E+07	3.7500E-02	9235	3103		232
3.4000E+07	3.7500E-02	3.5000E+07	3.7200E-02	3.6000E+07	3.6800E-02	9235	3103		233
3.7000E+07	3.6200E-02	3.8000E+07	3.5800E-02	3.9000E+07	3.5500E-02	9235	3103		234
4.0000E+07	3.5200E-02	4.2000E+07	3.6900E-02	4.4000E+07	3.5900E-02	9235	3103		235
4.6000E+07	3.4900E-02	4.8000E+07	3.4000E-02	5.0000E+07	3.3100E-02	9235	3103		236
5.2000E+07	3.2200E-02	5.4000E+07	3.1300E-02	5.6000E+07	3.0400E-02	9235	3103		237
5.8000E+07	2.9600E-02	6.0000E+07	2.8700E-02	6.2000E+07	2.7900E-02	9235	3103		238
6.4000E+07	2.7100E-02	6.6000E+07	2.6400E-02	6.8000E+07	2.5600E-02	9235	3103		239
7.0000E+07	2.4900E-02	7.2000E+07	2.4200E-02	7.4000E+07	2.3600E-02	9235	3103		240
7.6000E+07	2.3000E-02	7.8000E+07	2.2300E-02	8.0000E+07	2.1700E-02	9235	3103		241
8.5000E+07	2.0400E-02	9.0000E+07	1.9100E-02	9.5000E+07	1.8000E-02	9235	3103		242
1.0000E+08	1.6900E-02					9235	3103		243
						9235	3	0	244
9.2235E+04	2.3500E+02	0	0	0		09235	3111		245
-6.2023E+06	-6.2023E+06	0	0	1		459235	3111		246
	45	2				9235	3111		247
6.2287E+06	0.0000E+00	2.1000E+07	2.7600E-06	2.2000E+07	9.6600E-06	9235	3111		248
2.3000E+07	2.7400E-05	2.4000E+07	6.3100E-05	2.5000E+07	1.2300E-04	9235	3111		249
2.6000E+07	2.0800E-04	2.7000E+07	2.9400E-04	2.8000E+07	4.2400E-04	9235	3111		250
2.9000E+07	5.7700E-04	3.0000E+07	7.5300E-04	3.1000E+07	9.5100E-04	9235	3111		251
3.2000E+07	1.1100E-03	3.3000E+07	1.3500E-03	3.4000E+07	1.6000E-03	9235	3111		252
3.5000E+07	1.8500E-03	3.6000E+07	2.1100E-03	3.7000E+07	2.3000E-03	9235	3111		253
3.8000E+07	2.5900E-03	3.9000E+07	2.9000E-03	4.0000E+07	3.2100E-03	9235	3111		254
4.2000E+07	3.8000E-03	4.4000E+07	4.2200E-03	4.6000E+07	4.6300E-03	9235	3111		255
4.8000E+07	4.9600E-03	5.0000E+07	5.1700E-03	5.2000E+07	5.3400E-03	9235	3111		256
5.4000E+07	5.4900E-03	5.6000E+07	5.5900E-03	5.8000E+07	5.7200E-03	9235	3111		257
6.0000E+07	5.8300E-03	6.2000E+07	5.8900E-03	6.4000E+07	5.9500E-03	9235	3111		258
6.6000E+07	6.0000E-03	6.8000E+07	6.0200E-03	7.0000E+07	6.0700E-03	9235	3111		259
7.2000E+07	5.9600E-03	7.4000E+07	5.9900E-03	7.6000E+07	6.0000E-03	9235	3111		260
7.8000E+07	6.0000E-03	8.0000E+07	5.9600E-03	8.5000E+07	6.0100E-03	9235	3111		261
9.0000E+07	6.0400E-03	9.5000E+07	6.0600E-03	1.0000E+08	6.0300E-03	9235	3	0	263
9.2235E+04	2.3500E+02	0	0	0		09235	3121		264
-2.5150E+07	-2.5150E+07	0	0	1		409235	3121		265
	40	2				9235	3121		266
2.5257E+07	0.0000E+00	2.6000E+07	8.8700E-08	2.7000E+07	1.9000E-05	9235	3121		267
2.8000E+07	2.7800E-04	2.9000E+07	1.3700E-03	3.0000E+07	3.7300E-03	9235	3121		268
3.1000E+07	7.2800E-03	3.2000E+07	1.1300E-02	3.3000E+07	1.5100E-02	9235	3121		269
3.4000E+07	1.8400E-02	3.5000E+07	2.0900E-02	3.6000E+07	2.2500E-02	9235	3121		270
3.7000E+07	2.2900E-02	3.8000E+07	2.2300E-02	3.9000E+07	2.1000E-02	9235	3121		271
4.0000E+07	1.9300E-02	4.2000E+07	1.5000E-02	4.4000E+07	1.2000E-02	9235	3121		272
4.6000E+07	9.6500E-03	4.8000E+07	7.9300E-03	5.0000E+07	6.7300E-03	9235	3121		273
5.2000E+07	5.8800E-03	5.4000E+07	5.2300E-03	5.6000E+07	4.7400E-03	9235	3121		274
5.8000E+07	4.3300E-03	6.0000E+07	4.0300E-03	6.2000E+07	3.7500E-03	9235	3121		275
6.4000E+07	3.5000E-03	6.6000E+07	3.2800E-03	6.8000E+07	3.1000E-03	9235	3121		276
7.0000E+07	2.9300E-03	7.2000E+07	2.8000E-03	7.4000E+07	2.6800E-03	9235	3121		277
7.6000E+07	2.5700E-03	7.8000E+07	2.4800E-03	8.0000E+07	2.3900E-03	9235	3121		278
8.5000E+07	2.1400E-03	9.0000E+07	1.9800E-03	9.5000E+07	1.8600E-03	9235	3121		279
1.0000E+08	1.7700E-03					9235	3121		280
						9235	3	0	281
9.2235E+04	2.3500E+02	0	0	0		09235	3122		282

-3.1049E+07	-3.1049E+07	0	0	1	349235	3122	283
34	2				9235	3122	284
3.1181E+07	0.0000E+00	3.2000E+07	4.2500E-10	3.3000E+07	1.8800E-07	9235	3122
3.4000E+07	5.1300E-06	3.5000E+07	3.6700E-05	3.6000E+07	1.4600E-04	9235	3122
3.7000E+07	3.6300E-04	3.8000E+07	7.1400E-04	3.9000E+07	1.1100E-03	9235	3122
4.0000E+07	1.5500E-03	4.2000E+07	2.3200E-03	4.4000E+07	2.7500E-03	9235	3122
4.6000E+07	2.7600E-03	4.8000E+07	2.4500E-03	5.0000E+07	2.0900E-03	9235	3122
5.2000E+07	1.7600E-03	5.4000E+07	1.4800E-03	5.6000E+07	1.2400E-03	9235	3122
5.8000E+07	1.0600E-03	6.0000E+07	9.5900E-04	6.2000E+07	8.4300E-04	9235	3122
6.4000E+07	7.5700E-04	6.6000E+07	6.9000E-04	6.8000E+07	6.3700E-04	9235	3122
7.0000E+07	5.9200E-04	7.2000E+07	5.5300E-04	7.4000E+07	5.2200E-04	9235	3122
7.6000E+07	4.9700E-04	7.8000E+07	4.7200E-04	8.0000E+07	4.4800E-04	9235	3122
8.5000E+07	4.1400E-04	9.0000E+07	3.7700E-04	9.5000E+07	3.5000E-04	9235	3122
1.0000E+08	3.2700E-04				9235	3122	296
					9235	3	0
9.2235E+04	2.3500E+02	0	0	0	09235	3123	298
-3.8715E+07	-3.8715E+07	0	0	1	269235	3123	299
26	2				9235	3123	300
3.8879E+07	0.0000E+00	4.0000E+07	5.8300E-13	4.2000E+07	3.5200E-08	9235	3123
4.4000E+07	1.1300E-06	4.6000E+07	8.7500E-06	4.8000E+07	3.0300E-05	9235	3123
5.0000E+07	6.1200E-05	5.2000E+07	9.0000E-05	5.4000E+07	1.0900E-04	9235	3123
5.6000E+07	1.1700E-04	5.8000E+07	1.1300E-04	6.0000E+07	1.0500E-04	9235	3123
6.2000E+07	9.3600E-05	6.4000E+07	8.1400E-05	6.6000E+07	7.0600E-05	9235	3123
6.8000E+07	6.1400E-05	7.0000E+07	5.4100E-05	7.2000E+07	4.7600E-05	9235	3123
7.4000E+07	4.1100E-05	7.6000E+07	3.7500E-05	7.8000E+07	3.4400E-05	9235	3123
8.0000E+07	3.2100E-05	8.5000E+07	2.7500E-05	9.0000E+07	2.4400E-05	9235	3123
9.5000E+07	2.2100E-05	1.0000E+08	2.0200E-05		9235	3123	309
					9235	3	0
9.2235E+04	2.3500E+02	0	0	0	09235	3124	311
-4.4806E+07	-4.4806E+07	0	0	1	229235	3124	312
22	2				9235	3124	313
4.4997E+07	0.0000E+00	4.8000E+07	2.7800E-11	5.0000E+07	3.3900E-09	9235	3124
5.2000E+07	4.4800E-08	5.4000E+07	2.0900E-07	5.6000E+07	5.9400E-07	9235	3124
5.8000E+07	1.1700E-06	6.0000E+07	1.6800E-06	6.2000E+07	2.1500E-06	9235	3124
6.4000E+07	2.4000E-06	6.6000E+07	2.4500E-06	6.8000E+07	2.3500E-06	9235	3124
7.0000E+07	2.1800E-06	7.2000E+07	1.9500E-06	7.4000E+07	1.7300E-06	9235	3124
7.6000E+07	1.5400E-06	7.8000E+07	1.3900E-06	8.0000E+07	1.2400E-06	9235	3124
8.5000E+07	9.8700E-07	9.0000E+07	8.1200E-07	9.5000E+07	6.9800E-07	9235	3124
1.0000E+08	6.4200E-07				9235	3124	321
					9235	3	0
9.2235E+04	2.3500E+02	0	0	0	09235	3125	323
-5.2537E+07	-5.2537E+07	0	0	1	189235	3125	324
18	2				9235	3125	325
5.2761E+07	0.0000E+00	5.6000E+07	3.4700E-14	5.8000E+07	4.2900E-12	9235	3125
6.0000E+07	5.9400E-11	6.2000E+07	4.8600E-10	6.4000E+07	1.9800E-09	9235	3125
6.6000E+07	5.2300E-09	6.8000E+07	1.0300E-08	7.0000E+07	1.5900E-08	9235	3125
7.2000E+07	2.1900E-08	7.4000E+07	2.6300E-08	7.6000E+07	2.8600E-08	9235	3125
7.8000E+07	2.9100E-08	8.0000E+07	2.8300E-08	8.5000E+07	2.3900E-08	9235	3125
9.0000E+07	1.9100E-08	9.5000E+07	1.5400E-08	1.0000E+08	1.2900E-08	9235	3125
					9235	3	0
9.2235E+04	2.3500E+02	0	0	0	09235	3126	333
-5.8915E+07	-5.8915E+07	0	0	1	159235	3126	334
15	2				9235	3126	335
5.9166E+07	0.0000E+00	6.2000E+07	3.8200E-19	6.4000E+07	5.1600E-16	9235	3126
6.6000E+07	3.3500E-14	6.8000E+07	5.1000E-13	7.0000E+07	3.1600E-12	9235	3126
7.2000E+07	1.4100E-11	7.4000E+07	3.8600E-11	7.6000E+07	7.6700E-11	9235	3126
7.8000E+07	1.2700E-10	8.0000E+07	1.8200E-10	8.5000E+07	2.8400E-10	9235	3126
9.0000E+07	3.0800E-10	9.5000E+07	2.7600E-10	1.0000E+08	2.3500E-10	9235	3126
					9235	3	0
9.2235E+04	2.3500E+02	0	0	0	09235	3153	342
-4.4972E+06	-4.4972E+06	0	0	1	529235	3153	343
52	2				9235	3153	344
4.5163E+06	0.0000E+00	1.4000E+07	1.0200E-03	1.5000E+07	1.9200E-03	9235	3153
1.6000E+07	3.1200E-03	1.7000E+07	4.6300E-03	1.8000E+07	5.4700E-03	9235	3153
1.9000E+07	7.9400E-03	2.0000E+07	1.0920E-02	2.1000E+07	1.3900E-02	9235	3153
2.2000E+07	1.6400E-02	2.3000E+07	2.0900E-02	2.4000E+07	2.6300E-02	9235	3153
2.5000E+07	3.1600E-02	2.6000E+07	3.6300E-02	2.7000E+07	3.9700E-02	9235	3153

2.8000E+07	4.4200E-02	2.9000E+07	4.7600E-02	3.0000E+07	5.0300E-02	9235	3153	350
3.1000E+07	5.2900E-02	3.2000E+07	5.4200E-02	3.3000E+07	5.5900E-02	9235	3153	351
3.4000E+07	5.6400E-02	3.5000E+07	5.6300E-02	3.6000E+07	5.6300E-02	9235	3153	352
3.7000E+07	5.5400E-02	3.8000E+07	5.5400E-02	3.9000E+07	5.5300E-02	9235	3153	353
4.0000E+07	5.5200E-02	4.2000E+07	5.2400E-02	4.4000E+07	5.1400E-02	9235	3153	354
4.6000E+07	5.1000E-02	4.8000E+07	5.0700E-02	5.0000E+07	5.0100E-02	9235	3153	355
5.2000E+07	4.9800E-02	5.4000E+07	4.9300E-02	5.6000E+07	4.8900E-02	9235	3153	356
5.8000E+07	4.8100E-02	6.0000E+07	4.8000E-02	6.2000E+07	4.7400E-02	9235	3153	357
6.4000E+07	4.6800E-02	6.6000E+07	4.6400E-02	6.8000E+07	4.6000E-02	9235	3153	358
7.0000E+07	4.5600E-02	7.2000E+07	4.5500E-02	7.4000E+07	4.4900E-02	9235	3153	359
7.6000E+07	4.4400E-02	7.8000E+07	4.3800E-02	8.0000E+07	4.3300E-02	9235	3153	360
8.5000E+07	4.2300E-02	9.0000E+07	4.1100E-02	9.5000E+07	4.0000E-02	9235	3153	361
1.0000E+08	3.8800E-02					9235	3153	362
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3154	364
-9.7070E+06	-9.7070E+06	0	0	1		499235	3154	365
49	2					9235	3154	366
9.7483E+06	0.0000E+00	1.7000E+07	2.4300E-10	1.8000E+07	1.7400E-09	9235	3154	367
1.9000E+07	1.3900E-07	2.0000E+07	1.1120E-05	2.1000E+07	2.2100E-05	9235	3154	368
2.2000E+07	9.8800E-05	2.3000E+07	3.0700E-04	2.4000E+07	8.0300E-04	9235	3154	369
2.5000E+07	1.7300E-03	2.6000E+07	3.2000E-03	2.7000E+07	5.3900E-03	9235	3154	370
2.8000E+07	8.3400E-03	2.9000E+07	1.2100E-02	3.0000E+07	1.6300E-02	9235	3154	371
3.1000E+07	2.0800E-02	3.2000E+07	2.5500E-02	3.3000E+07	3.0600E-02	9235	3154	372
3.4000E+07	3.6200E-02	3.5000E+07	4.1500E-02	3.6000E+07	4.6100E-02	9235	3154	373
3.7000E+07	4.9500E-02	3.8000E+07	5.2700E-02	3.9000E+07	5.5800E-02	9235	3154	374
4.0000E+07	5.8500E-02	4.2000E+07	6.2700E-02	4.4000E+07	6.5600E-02	9235	3154	375
4.6000E+07	6.6100E-02	4.8000E+07	6.6300E-02	5.0000E+07	6.5100E-02	9235	3154	376
5.2000E+07	6.3300E-02	5.4000E+07	6.1500E-02	5.6000E+07	5.9200E-02	9235	3154	377
5.8000E+07	5.7400E-02	6.0000E+07	5.5900E-02	6.2000E+07	5.5100E-02	9235	3154	378
6.4000E+07	5.4000E-02	6.6000E+07	5.3300E-02	6.8000E+07	5.2500E-02	9235	3154	379
7.0000E+07	5.2100E-02	7.2000E+07	5.1700E-02	7.4000E+07	5.1100E-02	9235	3154	380
7.6000E+07	4.9600E-02	7.8000E+07	4.8900E-02	8.0000E+07	4.8200E-02	9235	3154	381
8.5000E+07	4.7100E-02	9.0000E+07	4.5900E-02	9.5000E+07	4.4600E-02	9235	3154	382
1.0000E+08	4.2900E-02					9235	3154	383
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3155	385
-1.6226E+07	-1.6226E+07	0	0	1		439235	3155	386
43	2					9235	3155	387
1.6295E+07	0.0000E+00	2.3000E+07	3.4200E-12	2.4000E+07	6.7200E-10	9235	3155	388
2.5000E+07	6.0300E-09	2.6000E+07	8.5700E-08	2.7000E+07	1.7300E-06	9235	3155	389
2.8000E+07	1.2500E-05	2.9000E+07	5.5700E-05	3.0000E+07	1.7200E-04	9235	3155	390
3.1000E+07	4.5000E-04	3.2000E+07	9.8900E-04	3.3000E+07	1.9200E-03	9235	3155	391
3.4000E+07	3.3000E-03	3.5000E+07	5.1000E-03	3.6000E+07	7.2200E-03	9235	3155	392
3.7000E+07	9.7700E-03	3.8000E+07	1.2600E-02	3.9000E+07	1.5400E-02	9235	3155	393
4.0000E+07	1.8100E-02	4.2000E+07	2.3900E-02	4.4000E+07	2.8400E-02	9235	3155	394
4.6000E+07	3.2300E-02	4.8000E+07	3.5500E-02	5.0000E+07	3.8700E-02	9235	3155	395
5.2000E+07	4.1800E-02	5.4000E+07	4.4000E-02	5.6000E+07	4.5400E-02	9235	3155	396
5.8000E+07	4.6300E-02	6.0000E+07	4.6700E-02	6.2000E+07	4.6300E-02	9235	3155	397
6.4000E+07	4.5100E-02	6.6000E+07	4.3400E-02	6.8000E+07	4.1700E-02	9235	3155	398
7.0000E+07	4.0600E-02	7.2000E+07	3.9200E-02	7.4000E+07	3.7900E-02	9235	3155	399
7.6000E+07	3.6700E-02	7.8000E+07	3.5800E-02	8.0000E+07	3.5100E-02	9235	3155	400
8.5000E+07	3.3400E-02	9.0000E+07	3.1900E-02	9.5000E+07	3.0700E-02	9235	3155	401
1.0000E+08	2.9600E-02					9235	3155	402
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3156	404
-2.1786E+07	-2.1786E+07	0	0	1		379235	3156	405
37	2					9235	3156	406
2.1879E+07	0.0000E+00	2.9000E+07	3.9300E-12	3.0000E+07	4.5600E-10	9235	3156	407
3.1000E+07	4.9300E-09	3.2000E+07	4.2100E-08	3.3000E+07	5.9100E-07	9235	3156	408
3.4000E+07	4.3500E-06	3.5000E+07	2.0400E-05	3.6000E+07	6.4900E-05	9235	3156	409
3.7000E+07	1.8200E-04	3.8000E+07	4.4200E-04	3.9000E+07	8.9100E-04	9235	3156	410
4.0000E+07	1.5800E-03	4.2000E+07	2.9400E-03	4.4000E+07	5.7500E-03	9235	3156	411
4.6000E+07	9.5500E-03	4.8000E+07	1.3200E-02	5.0000E+07	1.6400E-02	9235	3156	412
5.2000E+07	1.9100E-02	5.4000E+07	2.1400E-02	5.6000E+07	2.3000E-02	9235	3156	413
5.8000E+07	2.4400E-02	6.0000E+07	2.5300E-02	6.2000E+07	2.6300E-02	9235	3156	414
6.4000E+07	2.7400E-02	6.6000E+07	2.8800E-02	6.8000E+07	2.9800E-02	9235	3156	415
7.0000E+07	3.0600E-02	7.2000E+07	3.1200E-02	7.4000E+07	3.1000E-02	9235	3156	416

7.6000E+07	3.0700E-02	7.8000E+07	3.0200E-02	8.0000E+07	2.9400E-02	9235	3156	417
8.5000E+07	2.7500E-02	9.0000E+07	2.5400E-02	9.5000E+07	2.3900E-02	9235	3156	418
1.0000E+08	2.2700E-02					9235	3156	419
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3157	421
-2.8600E+07	-2.8600E+07	0	0	1		309235	3157	422
	30	2				9235	3157	423
2.8722E+07	0.0000E+00	3.6000E+07	2.7100E-13	3.7000E+07	4.9100E-11	9235	3157	424
3.8000E+07	9.6000E-10	3.9000E+07	7.5400E-09	4.0000E+07	5.7500E-08	9235	3157	425
4.2000E+07	2.4400E-06	4.4000E+07	2.7900E-05	4.6000E+07	1.9100E-04	9235	3157	426
4.8000E+07	7.2400E-04	5.0000E+07	1.8800E-03	5.2000E+07	3.7300E-03	9235	3157	427
5.4000E+07	6.0700E-03	5.6000E+07	8.5600E-03	5.8000E+07	1.1000E-02	9235	3157	428
6.0000E+07	1.2700E-02	6.2000E+07	1.4000E-02	6.4000E+07	1.5000E-02	9235	3157	429
6.6000E+07	1.5800E-02	6.8000E+07	1.6400E-02	7.0000E+07	1.6700E-02	9235	3157	430
7.2000E+07	1.7100E-02	7.4000E+07	1.7600E-02	7.6000E+07	1.8200E-02	9235	3157	431
7.8000E+07	1.8700E-02	8.0000E+07	1.9200E-02	8.5000E+07	2.0100E-02	9235	3157	432
9.0000E+07	2.0800E-02	9.5000E+07	2.0200E-02	1.0000E+08	1.8600E-02	9235	3157	433
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3158	435
-3.4394E+07	-3.4394E+07	0	0	1		259235	3158	436
	25	2				9235	3158	437
3.4540E+07	0.0000E+00	4.2000E+07	8.0800E-13	4.4000E+07	2.2300E-10	9235	3158	438
4.6000E+07	1.0200E-08	4.8000E+07	2.8400E-07	5.0000E+07	4.4800E-06	9235	3158	439
5.2000E+07	3.3800E-05	5.4000E+07	1.5500E-04	5.6000E+07	4.9500E-04	9235	3158	440
5.8000E+07	1.2400E-03	6.0000E+07	2.3000E-03	6.2000E+07	3.6500E-03	9235	3158	441
6.4000E+07	5.1200E-03	6.6000E+07	6.4000E-03	6.8000E+07	7.6500E-03	9235	3158	442
7.0000E+07	8.5400E-03	7.2000E+07	9.2700E-03	7.4000E+07	9.8100E-03	9235	3158	443
7.6000E+07	1.0200E-02	7.8000E+07	1.0500E-02	8.0000E+07	1.0800E-02	9235	3158	444
8.5000E+07	1.1500E-02	9.0000E+07	1.1900E-02	9.5000E+07	1.2100E-02	9235	3158	445
1.0000E+08	1.2700E-02					9235	3158	446
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3159	448
-4.1448E+07	-4.1448E+07	0	0	1		219235	3159	449
	21	2				9235	3159	450
4.1625E+07	0.0000E+00	5.0000E+07	3.2400E-13	5.2000E+07	8.5300E-11	9235	3159	451
5.4000E+07	3.4800E-09	5.6000E+07	8.2700E-08	5.8000E+07	1.2700E-06	9235	3159	452
6.0000E+07	9.8100E-06	6.2000E+07	4.8400E-05	6.4000E+07	1.6100E-04	9235	3159	453
6.6000E+07	3.6900E-04	6.8000E+07	7.7100E-04	7.0000E+07	1.3500E-03	9235	3159	454
7.2000E+07	2.0400E-03	7.4000E+07	2.7800E-03	7.6000E+07	3.4900E-03	9235	3159	455
7.8000E+07	4.0500E-03	8.0000E+07	4.4900E-03	8.5000E+07	5.0300E-03	9235	3159	456
9.0000E+07	5.3000E-03	9.5000E+07	5.5900E-03	1.0000E+08	5.8600E-03	9235	3159	457
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3160	459
-4.7482E+07	-4.7482E+07	0	0	1		179235	3160	460
	17	2				9235	3160	461
4.7684E+07	0.0000E+00	5.8000E+07	1.2600E-12	6.0000E+07	8.0300E-11	9235	3160	462
6.2000E+07	2.9600E-09	6.4000E+07	4.8800E-08	6.6000E+07	3.8700E-07	9235	3160	463
6.8000E+07	2.6400E-06	7.0000E+07	1.2400E-05	7.2000E+07	4.0000E-05	9235	3160	464
7.4000E+07	1.0300E-04	7.6000E+07	2.2300E-04	7.8000E+07	3.8400E-04	9235	3160	465
8.0000E+07	6.0100E-04	8.5000E+07	1.1300E-03	9.0000E+07	1.5000E-03	9235	3160	466
9.5000E+07	1.7000E-03	1.0000E+08	1.7800E-03			9235	3160	467
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3161	469
-5.4751E+07	-5.4751E+07	0	0	1		139235	3161	470
	13	2				9235	3161	471
5.4984E+07	0.0000E+00	6.6000E+07	1.9100E-13	6.8000E+07	1.4100E-11	9235	3161	472
7.0000E+07	4.0900E-10	7.2000E+07	6.3100E-09	7.4000E+07	6.3300E-08	9235	3161	473
7.6000E+07	4.8400E-07	7.8000E+07	2.2100E-06	8.0000E+07	8.2400E-06	9235	3161	474
8.5000E+07	6.3200E-05	9.0000E+07	2.0400E-04	9.5000E+07	3.8000E-04	9235	3161	475
1.0000E+08	5.1600E-04					9235	3161	476
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3162	478
-6.1113E+07	-6.1113E+07	0	0	1		119235	3162	479
	11	2				9235	3162	480
6.1373E+07	0.0000E+00	7.0000E+07	1.0400E-19	7.2000E+07	1.2400E-16	9235	3162	481
7.4000E+07	2.0200E-14	7.6000E+07	1.1100E-12	7.8000E+07	2.1200E-11	9235	3162	482
8.0000E+07	2.9400E-10	8.5000E+07	2.5100E-08	9.0000E+07	4.7300E-07	9235	3162	483

9.5000E+07	2.6300E-06	1.0000E+08	7.7500E-06			9235	3162	484
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3174	486
-1.0170E+07	-1.0170E+07	0	0	1		359235	3174	487
	35	2				9235	3174	488
1.0213E+07	0.0000E+00	3.1000E+07	1.2700E-10	3.2000E+07	1.3200E-09	9235	3174	489
3.3000E+07	1.1900E-08	3.4000E+07	5.8500E-08	3.5000E+07	1.9300E-07	9235	3174	490
3.6000E+07	5.1100E-07	3.7000E+07	1.2100E-06	3.8000E+07	2.5800E-06	9235	3174	491
3.9000E+07	5.1800E-06	4.0000E+07	1.1000E-05	4.2000E+07	6.8000E-05	9235	3174	492
4.4000E+07	1.9300E-04	4.6000E+07	4.4400E-04	4.8000E+07	8.1900E-04	9235	3174	493
5.0000E+07	1.2800E-03	5.2000E+07	1.7700E-03	5.4000E+07	2.2500E-03	9235	3174	494
5.6000E+07	2.6300E-03	5.8000E+07	2.9300E-03	6.0000E+07	3.1500E-03	9235	3174	495
6.2000E+07	3.3000E-03	6.4000E+07	3.3600E-03	6.6000E+07	3.4300E-03	9235	3174	496
6.8000E+07	3.4800E-03	7.0000E+07	3.5000E-03	7.2000E+07	3.6600E-03	9235	3174	497
7.4000E+07	3.6500E-03	7.6000E+07	3.6500E-03	7.8000E+07	3.6400E-03	9235	3174	498
8.0000E+07	3.6800E-03	8.5000E+07	3.6600E-03	9.0000E+07	3.6100E-03	9235	3174	499
9.5000E+07	3.5800E-03	1.0000E+08	3.5700E-03			9235	3174	500
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3175	502
1.1116E+07	1.1116E+07	0	0	1		619235	3175	503
	61	2				9235	3175	504
1.0000E-05	0.0000E+00	5.0000E+06	1.8400E-08	6.0000E+06	1.3600E-07	9235	3175	505
7.0000E+06	6.4000E-07	8.0000E+06	2.4000E-06	9.0000E+06	7.8600E-06	9235	3175	506
1.0000E+07	2.3200E-05	1.1000E+07	6.1500E-05	1.2000E+07	1.4400E-04	9235	3175	507
1.3000E+07	2.9500E-04	1.4000E+07	5.2800E-04	1.5000E+07	8.4700E-04	9235	3175	508
1.6000E+07	1.2400E-03	1.7000E+07	1.6800E-03	1.8000E+07	2.1100E-03	9235	3175	509
1.9000E+07	2.4700E-03	2.0000E+07	2.6450E-03	2.1000E+07	2.8200E-03	9235	3175	510
2.2000E+07	2.8500E-03	2.3000E+07	2.8300E-03	2.4000E+07	2.7900E-03	9235	3175	511
2.5000E+07	2.7100E-03	2.6000E+07	2.6100E-03	2.7000E+07	2.4600E-03	9235	3175	512
2.8000E+07	2.3200E-03	2.9000E+07	2.1800E-03	3.0000E+07	2.0400E-03	9235	3175	513
3.1000E+07	1.8800E-03	3.2000E+07	1.7500E-03	3.3000E+07	1.6200E-03	9235	3175	514
3.4000E+07	1.5100E-03	3.5000E+07	1.4000E-03	3.6000E+07	1.3000E-03	9235	3175	515
3.7000E+07	1.2000E-03	3.8000E+07	1.1000E-03	3.9000E+07	1.0100E-03	9235	3175	516
4.0000E+07	9.3000E-04	4.2000E+07	7.4500E-04	4.4000E+07	6.2700E-04	9235	3175	517
4.6000E+07	5.3800E-04	4.8000E+07	4.6700E-04	5.0000E+07	4.1900E-04	9235	3175	518
5.2000E+07	4.1200E-04	5.4000E+07	4.7400E-04	5.6000E+07	6.5300E-04	9235	3175	519
5.8000E+07	9.4800E-04	6.0000E+07	1.3400E-03	6.2000E+07	1.8300E-03	9235	3175	520
6.4000E+07	2.3300E-03	6.6000E+07	2.8300E-03	6.8000E+07	3.2900E-03	9235	3175	521
7.0000E+07	3.6800E-03	7.2000E+07	4.0000E-03	7.4000E+07	4.3000E-03	9235	3175	522
7.6000E+07	4.4900E-03	7.8000E+07	4.6200E-03	8.0000E+07	4.7300E-03	9235	3175	523
8.5000E+07	4.8100E-03	9.0000E+07	4.7300E-03	9.5000E+07	4.6700E-03	9235	3175	524
1.0000E+08	4.6100E-03					9235	3175	525
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3176	527
4.6793E+06	4.6793E+06	0	0	1		559235	3176	528
	55	2				9235	3176	529
1.0000E-05	0.0000E+00	1.1000E+07	4.5800E-08	1.2000E+07	4.2200E-07	9235	3176	530
1.3000E+07	1.6000E-06	1.4000E+07	5.3200E-06	1.5000E+07	1.6500E-05	9235	3176	531
1.6000E+07	4.3500E-05	1.7000E+07	1.1500E-04	1.8000E+07	2.7800E-04	9235	3176	532
1.9000E+07	5.7600E-04	2.0000E+07	1.0930E-03	2.1000E+07	1.6100E-03	9235	3176	533
2.2000E+07	2.2800E-03	2.3000E+07	2.9700E-03	2.4000E+07	3.6100E-03	9235	3176	534
2.5000E+07	4.1500E-03	2.6000E+07	4.5400E-03	2.7000E+07	4.7600E-03	9235	3176	535
2.8000E+07	4.8400E-03	2.9000E+07	4.8100E-03	3.0000E+07	4.7200E-03	9235	3176	536
3.1000E+07	4.5400E-03	3.2000E+07	4.3500E-03	3.3000E+07	4.0800E-03	9235	3176	537
3.4000E+07	3.8500E-03	3.5000E+07	3.6000E-03	3.6000E+07	3.3500E-03	9235	3176	538
3.7000E+07	3.1000E-03	3.8000E+07	2.8700E-03	3.9000E+07	2.6600E-03	9235	3176	539
4.0000E+07	2.4700E-03	4.2000E+07	2.2100E-03	4.4000E+07	1.8700E-03	9235	3176	540
4.6000E+07	1.5700E-03	4.8000E+07	1.3000E-03	5.0000E+07	1.0900E-03	9235	3176	541
5.2000E+07	9.2700E-04	5.4000E+07	7.8500E-04	5.6000E+07	6.6700E-04	9235	3176	542
5.8000E+07	5.5700E-04	6.0000E+07	4.6300E-04	6.2000E+07	3.9100E-04	9235	3176	543
6.4000E+07	3.5800E-04	6.6000E+07	3.8100E-04	6.8000E+07	4.6300E-04	9235	3176	544
7.0000E+07	6.2300E-04	7.2000E+07	7.8900E-04	7.4000E+07	1.0800E-03	9235	3176	545
7.6000E+07	1.4000E-03	7.8000E+07	1.7200E-03	8.0000E+07	2.0700E-03	9235	3176	546
8.5000E+07	2.8100E-03	9.0000E+07	3.2700E-03	9.5000E+07	3.4100E-03	9235	3176	547
1.0000E+08	3.4200E-03					9235	3176	548
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3177	550

-4.4153E+05	-4.4153E+05	0	0	1	509235	3177	551
50	2				9235	3177	552
4.4341E+05	0.0000E+00	1.6000E+07	4.7100E-10	1.7000E+07	2.3700E-07	9235	3177
1.8000E+07	1.1800E-06	1.9000E+07	3.7700E-06	2.0000E+07	1.6435E-05	9235	3177
2.1000E+07	2.9100E-05	2.2000E+07	7.8900E-05	2.3000E+07	1.9700E-04	9235	3177
2.4000E+07	4.3000E-04	2.5000E+07	8.3600E-04	2.6000E+07	1.4600E-03	9235	3177
2.7000E+07	2.2500E-03	2.8000E+07	3.1300E-03	2.9000E+07	4.0900E-03	9235	3177
3.0000E+07	5.0500E-03	3.1000E+07	5.9900E-03	3.2000E+07	6.7900E-03	9235	3177
3.3000E+07	7.5700E-03	3.4000E+07	8.0800E-03	3.5000E+07	8.3400E-03	9235	3177
3.6000E+07	8.4100E-03	3.7000E+07	8.3400E-03	3.8000E+07	8.1100E-03	9235	3177
3.9000E+07	7.8400E-03	4.0000E+07	7.4900E-03	4.2000E+07	6.3400E-03	9235	3177
4.4000E+07	5.5800E-03	4.6000E+07	4.8500E-03	4.8000E+07	4.2000E-03	9235	3177
5.0000E+07	3.5900E-03	5.2000E+07	3.0500E-03	5.4000E+07	2.5100E-03	9235	3177
5.6000E+07	2.1200E-03	5.8000E+07	1.7800E-03	6.0000E+07	1.5200E-03	9235	3177
6.2000E+07	1.2800E-03	6.4000E+07	1.0800E-03	6.6000E+07	8.8400E-04	9235	3177
6.8000E+07	7.2600E-04	7.0000E+07	5.8100E-04	7.2000E+07	4.7300E-04	9235	3177
7.4000E+07	3.9600E-04	7.6000E+07	3.7600E-04	7.8000E+07	4.3800E-04	9235	3177
8.0000E+07	5.6200E-04	8.5000E+07	1.1200E-03	9.0000E+07	1.9100E-03	9235	3177
9.5000E+07	2.6700E-03	1.0000E+08	3.2100E-03			9235	3177
						9235	3 0
9.2235E+04	2.3500E+02	0	0	0	09235	3178	571
-7.2328E+06	-7.2328E+06	0	0	1	439235	3178	572
43	2				9235	3178	573
7.2636E+06	0.0000E+00	2.3000E+07	7.6700E-11	2.4000E+07	2.0600E-08	9235	3178
2.5000E+07	2.4600E-07	2.6000E+07	1.1100E-06	2.7000E+07	3.7400E-06	9235	3178
2.8000E+07	1.0700E-05	2.9000E+07	2.9700E-05	3.0000E+07	7.4100E-05	9235	3178
3.1000E+07	1.7700E-04	3.2000E+07	3.6900E-04	3.3000E+07	7.0000E-04	9235	3178
3.4000E+07	1.1900E-03	3.5000E+07	1.8800E-03	3.6000E+07	2.6900E-03	9235	3178
3.7000E+07	3.5500E-03	3.8000E+07	4.3800E-03	3.9000E+07	5.1500E-03	9235	3178
4.0000E+07	5.7900E-03	4.2000E+07	6.5100E-03	4.4000E+07	6.6400E-03	9235	3178
4.6000E+07	6.3300E-03	4.8000E+07	5.8000E-03	5.0000E+07	5.1400E-03	9235	3178
5.2000E+07	4.5200E-03	5.4000E+07	3.8600E-03	5.6000E+07	3.3200E-03	9235	3178
5.8000E+07	2.8200E-03	6.0000E+07	2.3800E-03	6.2000E+07	1.9700E-03	9235	3178
6.4000E+07	1.6500E-03	6.6000E+07	1.3900E-03	6.8000E+07	1.1800E-03	9235	3178
7.0000E+07	9.9300E-04	7.2000E+07	8.4400E-04	7.4000E+07	6.9900E-04	9235	3178
7.6000E+07	5.7600E-04	7.8000E+07	4.5300E-04	8.0000E+07	3.4500E-04	9235	3178
8.5000E+07	1.6200E-04	9.0000E+07	2.3900E-04	9.5000E+07	5.3600E-04	9235	3178
1.0000E+08	9.6600E-04					9235	3178
						9235	3 0
9.2235E+04	2.3500E+02	0	0	0	09235	3179	590
-1.2482E+07	-1.2482E+07	0	0	1	379235	3179	591
37	2				9235	3179	592
1.2535E+07	0.0000E+00	2.9000E+07	7.4600E-10	3.0000E+07	2.5900E-08	9235	3179
3.1000E+07	2.2800E-07	3.2000E+07	9.4900E-07	3.3000E+07	3.0700E-06	9235	3179
3.4000E+07	8.9700E-06	3.5000E+07	2.4200E-05	3.6000E+07	6.3900E-05	9235	3179
3.7000E+07	1.5100E-04	3.8000E+07	3.1700E-04	3.9000E+07	5.9900E-04	9235	3179
4.0000E+07	9.9800E-04	4.2000E+07	2.1400E-03	4.4000E+07	3.6800E-03	9235	3179
4.6000E+07	5.2500E-03	4.8000E+07	6.5600E-03	5.0000E+07	7.4000E-03	9235	3179
5.2000E+07	7.6300E-03	5.4000E+07	7.4200E-03	5.6000E+07	6.8900E-03	9235	3179
5.8000E+07	6.2000E-03	6.0000E+07	5.5200E-03	6.2000E+07	4.7900E-03	9235	3179
6.4000E+07	4.1500E-03	6.6000E+07	3.5400E-03	6.8000E+07	3.0100E-03	9235	3179
7.0000E+07	2.5300E-03	7.2000E+07	2.1700E-03	7.4000E+07	1.8300E-03	9235	3179
7.6000E+07	1.5700E-03	7.8000E+07	1.3300E-03	8.0000E+07	1.1200E-03	9235	3179
8.5000E+07	6.8100E-04	9.0000E+07	3.8300E-04	9.5000E+07	1.6900E-04	9235	3179
1.0000E+08	2.2100E-04					9235	3179
						9235	3 0
9.2235E+04	2.3500E+02	0	0	0	09235	3180	607
-1.9602E+07	-1.9602E+07	0	0	1	309235	3180	608
30	2				9235	3180	609
1.9685E+07	0.0000E+00	3.6000E+07	2.0500E-12	3.7000E+07	3.0800E-10	9235	3180
3.8000E+07	5.5700E-09	3.9000E+07	4.1300E-08	4.0000E+07	1.8900E-07	9235	3180
4.2000E+07	2.6200E-06	4.4000E+07	1.7500E-05	4.6000E+07	8.5000E-05	9235	3180
4.8000E+07	2.9400E-04	5.0000E+07	7.6100E-04	5.2000E+07	1.4900E-03	9235	3180
5.4000E+07	2.3700E-03	5.6000E+07	3.1200E-03	5.8000E+07	3.6500E-03	9235	3180
6.0000E+07	3.8800E-03	6.2000E+07	3.7700E-03	6.4000E+07	3.5500E-03	9235	3180
6.6000E+07	3.2100E-03	6.8000E+07	2.8600E-03	7.0000E+07	2.5000E-03	9235	3180
7.2000E+07	2.1800E-03	7.4000E+07	1.8700E-03	7.6000E+07	1.6000E-03	9235	3180

7.8000E+07	1.3400E-03	8.0000E+07	1.1300E-03	8.5000E+07	7.4600E-04	9235	3180	618
9.0000E+07	5.1800E-04	9.5000E+07	3.2300E-04	1.0000E+08	1.6100E-04	9235	3180	619
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3181	621
-2.5056E+07	-2.5056E+07	0	0	1		259235	3181	622
	25	2				9235	3181	623
2.5163E+07	0.0000E+00	4.2000E+07	6.5800E-12	4.4000E+07	2.9800E-09	9235	3181	624
4.6000E+07	8.1300E-08	4.8000E+07	8.7500E-07	5.0000E+07	6.5000E-06	9235	3181	625
5.2000E+07	3.5500E-05	5.4000E+07	1.5500E-04	5.6000E+07	4.3000E-04	9235	3181	626
5.8000E+07	9.2200E-04	6.0000E+07	1.5800E-03	6.2000E+07	2.4700E-03	9235	3181	627
6.4000E+07	3.2000E-03	6.6000E+07	3.7900E-03	6.8000E+07	4.1000E-03	9235	3181	628
7.0000E+07	4.1800E-03	7.2000E+07	4.0900E-03	7.4000E+07	3.5600E-03	9235	3181	629
7.6000E+07	3.2500E-03	7.8000E+07	2.8800E-03	8.0000E+07	2.5400E-03	9235	3181	630
8.5000E+07	1.7500E-03	9.0000E+07	1.2400E-03	9.5000E+07	8.4000E-04	9235	3181	631
1.0000E+08	5.5800E-04					9235	3181	632
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3182	634
-3.2242E+07	-3.2242E+07	0	0	1		219235	3182	635
	21	2				9235	3182	636
3.2379E+07	0.0000E+00	5.0000E+07	2.4800E-12	5.2000E+07	4.9500E-10	9235	3182	637
5.4000E+07	1.7300E-08	5.6000E+07	2.1400E-07	5.8000E+07	1.5300E-06	9235	3182	638
6.0000E+07	8.3500E-06	6.2000E+07	3.6900E-05	6.4000E+07	1.1800E-04	9235	3182	639
6.6000E+07	3.0100E-04	6.8000E+07	5.7600E-04	7.0000E+07	9.5300E-04	9235	3182	640
7.2000E+07	1.3300E-03	7.4000E+07	1.7500E-03	7.6000E+07	2.0200E-03	9235	3182	641
7.8000E+07	2.1900E-03	8.0000E+07	2.2300E-03	8.5000E+07	1.9700E-03	9235	3182	642
9.0000E+07	1.5500E-03	9.5000E+07	1.1100E-03	1.0000E+08	7.6100E-04	9235	3182	643
						9235	3	0
9.2235E+04	2.3500E+02	0	0	0		09235	3183	645
-3.8003E+07	-3.8003E+07	0	0	1		189235	3183	646
	18	2				9235	3183	647
3.8165E+07	0.0000E+00	5.6000E+07	3.3000E-13	5.8000E+07	6.9700E-11	9235	3183	648
6.0000E+07	1.9900E-09	6.2000E+07	3.2500E-08	6.4000E+07	3.0400E-07	9235	3183	649
6.6000E+07	2.3000E-06	6.8000E+07	1.1300E-05	7.0000E+07	4.2600E-05	9235	3183	650
7.2000E+07	1.1600E-04	7.4000E+07	2.6000E-04	7.6000E+07	4.7200E-04	9235	3183	651
7.8000E+07	7.8200E-04	8.0000E+07	1.1300E-03	8.5000E+07	1.9600E-03	9235	3183	652
9.0000E+07	2.1500E-03	9.5000E+07	2.0100E-03	1.0000E+08	1.6400E-03	9235	3183	653
						9235	3	0
						9235	0	0
						0	0	0
						0	0	0
						-1	0	0
						0	0	0
U-236	WIND							
9.2236E+04	2.3600E+02	-1	0	99		19236	1451	1
0.0000E+00	0.0000E+00	0	0	0		69236	1451	2
1.0000E+00	0.0000E+00	0	0	10		29236	1451	3
0.0000E+00	0.0000E+00	0	0	67		339236	1451	4
92-	U-236 INPE				EVAL-SEP94 YU.A.KOROVIN ET.AL.	9236	1451	5
					DIST-OCT94	9236	1451	6
----	WIND				MATERIAL 9236	9236	1451	7
-----	INCIDENT-NEUTRON DATA					9236	1451	8
-----	ENDF-6 FORMAT					9236	1451	9
	AUTHORS OF EVALUATION: A.YU.KONOBAYEV, YU.A.KOROVIN,					9236	1451	10
	P.E.PERESLAVTSEV, V.I.PLYASKIN					9236	1451	11
						9236	1451	12
	FILE OF ACTINIDE DATA LIBRARY WIND					9236	1451	13
	ENERGY OF PROJECTILE: 0-100 MEV					9236	1451	14
	REFERENCE: KERntechnik, 1994, V.59, P.87					9236	1451	15
						9236	1451	16
	CONTENT OF FILE:					9236	1451	17
						9236	1451	18
	MF = 1 GENERAL INFORMATION					9236	1451	19
						9236	1451	20
	MT = 451 COMMENTS AND DICTIONARY					9236	1451	21
						9236	1451	22
	MF = 3 NEUTRON CROSS-SECTIONS					9236	1451	23
						9236	1451	24
	(N,2N) REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM BROND-2					9236	1451	25
	(N,3N) REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM BROND-2					9236	1451	26

(N,F) REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM BROND-2	9236 1451	27
THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR	9236 1451	28
SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA	9236 1451	29
AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION	9236 1451	30
IS AVAILABLE FROM THE AUTHORS AFTER REQUEST	9236 1451	31
	9236 1451	32
MT=16,17,18,37,103,111 ARE STANDARD ENDF-6 SECTIONS,	9236 1451	33
OTHER MT NUMBERS ARE NEW ASSIGNED	9236 1451	34
IN FOLLOWING DESCRIPTION "(N,X)" MEANS SUM CROSS-SECTIONS OF	9236 1451	35
ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT	9236 1451	36
RADIOACTIVE DECAY TAKEN INTO ACCOUNT	9236 1451	37
	9236 1451	38
MT = 16 (N,2N) CROSS-SECTION (U235 PRODUCTION)	9236 1451	39
MT = 17 (N,3N) CROSS-SECTION (U234 PRODUCTION)	9236 1451	40
MT = 18 (N,F) FISSION CROSS-SECTION	9236 1451	41
MT = 37 (N,4N) CROSS-SECTION (U233 PRODUCTION)	9236 1451	42
MT =103 (N,P) CROSS-SECTION (Pa236 PRODUCTION)	9236 1451	43
MT =111 (N,2P) CROSS-SECTION (Th235 PRODUCTION)	9236 1451	44
MT =121 (N,5N) CROSS-SECTION (U232 PRODUCTION)	9236 1451	45
MT =122 (N,6N) CROSS-SECTION (U231 PRODUCTION)	9236 1451	46
MT =123 (N,7N) CROSS-SECTION (U230 PRODUCTION)	9236 1451	47
MT =124 (N,8N) CROSS-SECTION (U229 PRODUCTION)	9236 1451	48
MT =125 (N,9N) CROSS-SECTION (U228 PRODUCTION)	9236 1451	49
MT =126 (N,10N) CROSS-SECTION (U227 PRODUCTION)	9236 1451	50
MT =153 (N,NP) + (N,D) CROSS-SECTION (Pa235 PRODUCTION)	9236 1451	51
MT =154 (N,2NP) + (N,ND) CROSS-SECTION (Pa234 PRODUCTION)	9236 1451	52
MT =155 (N,3NP) + (N,2ND) CROSS-SECTION (Pa233 PRODUCTION)	9236 1451	53
MT =156 (N,4NP) + (N,3ND) CROSS-SECTION (Pa232 PRODUCTION)	9236 1451	54
MT =157 (N,5NP) + (N,4ND) CROSS-SECTION (Pa231 PRODUCTION)	9236 1451	55
MT =158 (N,6NP) + (N,5ND) CROSS-SECTION (Pa230 PRODUCTION)	9236 1451	56
MT =159 (N,7NP) + (N,6ND) CROSS-SECTION (Pa229 PRODUCTION)	9236 1451	57
MT =160 (N,8NP) + (N,7ND) CROSS-SECTION (Pa228 PRODUCTION)	9236 1451	58
MT =161 (N,9NP) + (N,8ND) CROSS-SECTION (Pa227 PRODUCTION)	9236 1451	59
MT =162 (N,10NP) + (N,9ND) CROSS-SECTION (Pa226 PRODUCTION)	9236 1451	60
MT =174 (N,N2P) + (N,PD) CROSS-SECTION (Th234 PRODUCTION)	9236 1451	61
MT =175 (N,2N2P) + (N,X) CROSS-SECTION (Th233 PRODUCTION)	9236 1451	62
MT =176 (N,3N2P) + (N,X) CROSS-SECTION (Th232 PRODUCTION)	9236 1451	63
MT =177 (N,4N2P) + (N,X) CROSS-SECTION (Th231 PRODUCTION)	9236 1451	64
MT =178 (N,5N2P) + (N,X) CROSS-SECTION (Th230 PRODUCTION)	9236 1451	65
MT =179 (N,6N2P) + (N,X) CROSS-SECTION (Th229 PRODUCTION)	9236 1451	66
MT =180 (N,7N2P) + (N,X) CROSS-SECTION (Th228 PRODUCTION)	9236 1451	67
MT =181 (N,8N2P) + (N,X) CROSS-SECTION (Th227 PRODUCTION)	9236 1451	68
MT =182 (N,9N2P) + (N,X) CROSS-SECTION (Th226 PRODUCTION)	9236 1451	69
MT =183 (N,10N2P) + (N,X) CROSS-SECTION (Th225 PRODUCTION)	9236 1451	70
	9236 1451	71
	19236 1451	72
1 451 104	19236 1451	73
3 16 28	19236 1451	74
3 17 24	19236 1451	75
3 18 44	19236 1451	76
3 37 19	19236 1451	77
3 103 22	19236 1451	78
3 111 18	19236 1451	79
3 121 17	19236 1451	80
3 122 14	19236 1451	81
3 123 12	19236 1451	82
3 124 11	19236 1451	83
3 125 10	19236 1451	84
3 126 8	19236 1451	85
3 153 21	19236 1451	86
3 154 19	19236 1451	87
3 155 17	19236 1451	88
3 156 15	19236 1451	89
3 157 13	19236 1451	90
3 158 12	19236 1451	91
3 159 10	19236 1451	92
3 160 9	19236 1451	93
3 161 8	19236 1451	

			3	162	7	19236	1451	94
			3	174	15	19236	1451	95
			3	175	23	19236	1451	96
			3	176	22	19236	1451	97
			3	177	19	19236	1451	98
			3	178	18	19236	1451	99
			3	179	15	19236	1451	100
			3	180	14	19236	1451	101
			3	181	11	19236	1451	102
			3	182	10	19236	1451	103
			3	183	9	19236	1451	104
						9236	1	0
						9236	0	0
						09236	3	16
9.2236E+04	2.3600E+02		0	0	0	739236	3	16
-6.5459E+06	-6.5459E+06		0	0	1	9236	3	16
	73	2						
6.5738E+06	0.0000E+00	7.0000E+06	7.0000E-02	7.5000E+06	2.2000E-01	19236	3	16
8.0000E+06	4.6000E-01	8.5000E+06	7.0000E-01	9.0000E+06	8.7000E-01	19236	3	16
9.5000E+06	9.5000E-01	1.0000E+07	1.0000E+00	1.0500E+07	1.0200E+00	09236	3	16
1.1000E+07	1.0400E+00	1.1500E+07	1.0560E+00	1.1903E+07	1.0630E+00	09236	3	16
1.2000E+07	1.0650E+00	1.2500E+07	1.0650E+00	1.3000E+07	1.0450E+00	09236	3	16
1.3500E+07	9.7200E-01	1.4000E+07	8.5500E-01	1.4500E+07	7.2000E-01	19236	3	16
1.5000E+07	5.8000E-01	1.5500E+07	4.7000E-01	1.6000E+07	3.9000E-01	19236	3	16
1.6500E+07	3.3600E-01	1.7000E+07	2.9500E-01	1.7500E+07	2.6000E-01	19236	3	16
1.8000E+07	2.4000E-01	1.8500E+07	2.2000E-01	1.9000E+07	2.0500E-01	19236	3	16
1.9500E+07	1.9000E-01	2.0000E+07	1.7500E-01	2.1000E+07	1.5700E-01	19236	3	16
2.2000E+07	1.4185E-01	2.3000E+07	1.3280E-01	2.4000E+07	1.2684E-01	19236	3	16
2.5000E+07	1.2095E-01	2.6000E+07	1.1503E-01	2.7000E+07	1.0927E-01	19236	3	16
2.8000E+07	1.0507E-01	2.9000E+07	1.0102E-01	3.0000E+07	9.7305E-02	19236	3	16
3.1000E+07	9.3933E-02	3.2000E+07	9.1397E-02	3.3000E+07	8.9094E-02	19236	3	16
3.4000E+07	8.6720E-02	3.5000E+07	8.4473E-02	3.6000E+07	8.2351E-02	19236	3	16
3.7000E+07	8.0152E-02	3.8000E+07	7.8474E-02	3.9000E+07	7.6715E-02	19236	3	16
4.0000E+07	7.5275E-02	4.2000E+07	7.1342E-02	4.4000E+07	6.8566E-02	19236	3	16
4.6000E+07	6.5841E-02	4.8000E+07	6.3160E-02	5.0000E+07	6.1216E-02	19236	3	16
5.2000E+07	5.9108E-02	5.4000E+07	5.6629E-02	5.6000E+07	5.4577E-02	19236	3	16
5.8000E+07	5.2850E-02	6.0000E+07	5.1944E-02	6.2000E+07	5.0358E-02	19236	3	16
6.4000E+07	4.8491E-02	6.6000E+07	4.7139E-02	6.8000E+07	4.5802E-02	19236	3	16
7.0000E+07	4.4278E-02	7.2000E+07	4.3068E-02	7.4000E+07	4.1768E-02	19236	3	16
7.6000E+07	4.0379E-02	7.8000E+07	3.9300E-02	8.0000E+07	3.8229E-02	19236	3	16
8.5000E+07	3.6038E-02	9.0000E+07	3.3791E-02	9.5000E+07	3.1380E-02	19236	3	16
1.0000E+08	2.9500E-02					9236	3	16
						9236	3	0
9.2236E+04	2.3600E+02		0	0	0	09236	3	17
-1.1852E+07	-1.1852E+07		0	0	1	629236	3	17
	62	2				9236	3	17
1.1903E+07	0.0000E+00	1.2000E+07	0.0000E+00	1.2500E+07	1.5000E-02	19236	3	17
1.3000E+07	3.7000E-02	1.3500E+07	8.2000E-02	1.4000E+07	1.6500E-01	19236	3	17
1.4500E+07	2.5000E-01	1.5000E+07	3.3000E-01	1.5500E+07	3.8000E-01	19236	3	17
1.6000E+07	4.2000E-01	1.6500E+07	4.5000E-01	1.7000E+07	4.8000E-01	19236	3	17
1.7500E+07	5.0500E-01	1.8000E+07	5.2000E-01	1.8500E+07	5.3400E-01	19236	3	17
1.9000E+07	5.3600E-01	1.9500E+07	5.3200E-01	2.0000E+07	5.2000E-01	19236	3	17
2.1000E+07	5.0600E-01	2.2000E+07	4.2300E-01	2.3000E+07	3.3800E-01	19236	3	17
2.4000E+07	2.7200E-01	2.5000E+07	2.2100E-01	2.6000E+07	1.8300E-01	19236	3	17
2.7000E+07	1.5600E-01	2.8000E+07	1.3500E-01	2.9000E+07	1.2100E-01	19236	3	17
3.0000E+07	1.0800E-01	3.1000E+07	9.8700E-02	3.2000E+07	9.1200E-02	19236	3	17
3.3000E+07	8.4900E-02	3.4000E+07	7.9400E-02	3.5000E+07	7.4900E-02	19236	3	17
3.6000E+07	7.0900E-02	3.7000E+07	6.7200E-02	3.8000E+07	6.2300E-02	19236	3	17
3.9000E+07	6.0100E-02	4.0000E+07	5.8200E-02	4.2000E+07	4.9200E-02	19236	3	17
4.4000E+07	4.6500E-02	4.6000E+07	4.4400E-02	4.8000E+07	4.2400E-02	19236	3	17
5.0000E+07	4.0600E-02	5.2000E+07	3.9300E-02	5.4000E+07	3.8100E-02	19236	3	17
5.6000E+07	3.6900E-02	5.8000E+07	3.5900E-02	6.0000E+07	3.5100E-02	19236	3	17
6.2000E+07	3.4200E-02	6.4000E+07	3.3400E-02	6.6000E+07	3.2500E-02	19236	3	17
6.8000E+07	3.1600E-02	7.0000E+07	3.0800E-02	7.2000E+07	3.0000E-02	19236	3	17
7.4000E+07	2.9100E-02	7.6000E+07	2.8600E-02	7.8000E+07	2.8000E-02	19236	3	17
8.0000E+07	2.7400E-02	8.5000E+07	2.5900E-02	9.0000E+07	2.4700E-02	19236	3	17
9.5000E+07	2.3600E-02	1.0000E+08	2.2400E-02			9236	3	17
						9236	3	0

9.2236E+04	2.3600E+02	0	0	0	09236	3	18	161	
2.0005E+08	2.0005E+08	0	0	1	1229236	3	18	162	
122	2				9236	3	18	163	
1.5000E+05	0.0000E+00	1.5000E+05	2.0000E-03	3.8000E+05	2.0000E-03	9236	3	18	164
4.0000E+05	3.0000E-03	4.2000E+05	3.0000E-03	4.4000E+05	4.0000E-03	9236	3	18	165
4.6000E+05	4.0000E-03	5.0000E+05	6.0000E-03	5.2448E+05	7.0000E-03	9236	3	18	166
5.5000E+05	9.0000E-03	6.0000E+05	1.4000E-02	6.5000E+05	2.2000E-02	9236	3	18	167
6.9051E+05	3.9000E-02	7.0000E+05	4.3000E-02	7.4738E+05	7.6000E-02	9236	3	18	168
7.5000E+05	7.8000E-02	8.0000E+05	1.2900E-01	8.5000E+05	1.8300E-01	9236	3	18	169
8.5122E+05	1.8500E-01	9.0000E+05	2.4800E-01	9.2353E+05	2.9200E-01	9236	3	18	170
9.5000E+05	3.4200E-01	9.6219E+05	3.5600E-01	9.6450E+05	3.5900E-01	9236	3	18	171
9.7113E+05	3.6100E-01	9.9222E+05	3.6300E-01	1.0000E+06	3.6400E-01	9236	3	18	172
1.0064E+06	3.6400E-01	1.0500E+06	3.7100E-01	1.1000E+06	4.5300E-01	9236	3	18	173
1.2000E+06	5.8500E-01	1.4000E+06	7.2800E-01	1.6000E+06	6.8400E-01	9236	3	18	174
1.8000E+06	7.7100E-01	2.0000E+06	8.2500E-01	2.2000E+06	8.7400E-01	9236	3	18	175
2.4000E+06	8.8300E-01	2.6000E+06	8.7600E-01	2.8000E+06	8.7800E-01	9236	3	18	176
3.0000E+06	8.8000E-01	3.2000E+06	8.8900E-01	3.4000E+06	8.9100E-01	9236	3	18	177
3.6000E+06	8.9400E-01	3.8000E+06	8.9300E-01	4.0000E+06	8.9200E-01	9236	3	18	178
4.5000E+06	8.7300E-01	5.0000E+06	8.6000E-01	5.5000E+06	8.3100E-01	9236	3	18	179
6.0000E+06	9.4500E-01	6.5000E+06	1.1670E+00	6.5738E+06	1.2050E+00	9236	3	18	180
7.0000E+06	1.4230E+00	7.5000E+06	1.5710E+00	8.0000E+06	1.5720E+00	9236	3	18	181
9.0000E+06	1.5720E+00	9.5000E+06	1.5640E+00	1.0000E+07	1.5500E+00	9236	3	18	182
1.0500E+07	1.5410E+00	1.1000E+07	1.5390E+00	1.1500E+07	1.5350E+00	9236	3	18	183
1.1903E+07	1.5330E+00	1.2000E+07	1.5330E+00	1.2500E+07	1.5310E+00	9236	3	18	184
1.3000E+07	1.5300E+00	1.3500E+07	1.5520E+00	1.4000E+07	1.5820E+00	9236	3	18	185
1.4500E+07	1.6200E+00	1.5000E+07	1.6710E+00	1.5500E+07	1.7340E+00	9236	3	18	186
1.6000E+07	1.7680E+00	1.6500E+07	1.7880E+00	1.7000E+07	1.8040E+00	9236	3	18	187
1.7500E+07	1.8110E+00	1.8000E+07	1.8160E+00	1.8500E+07	1.8250E+00	9236	3	18	188
1.9000E+07	1.8390E+00	1.9500E+07	1.8600E+00	2.0000E+07	1.8890E+00	9236	3	18	189
2.1000E+07	1.9208E+00	2.2000E+07	1.9548E+00	2.3000E+07	1.9753E+00	9236	3	18	190
2.4000E+07	1.9858E+00	2.5000E+07	1.9943E+00	2.6000E+07	2.0001E+00	9236	3	18	191
2.7000E+07	2.0046E+00	2.8000E+07	2.0048E+00	2.9000E+07	2.0038E+00	9236	3	18	192
3.0000E+07	2.0036E+00	3.1000E+07	2.0041E+00	3.2000E+07	2.0030E+00	9236	3	18	193
3.3000E+07	1.9991E+00	3.4000E+07	1.9938E+00	3.5000E+07	1.9862E+00	9236	3	18	194
3.6000E+07	1.9764E+00	3.7000E+07	1.9679E+00	3.8000E+07	1.9603E+00	9236	3	18	195
3.9000E+07	1.9500E+00	4.0000E+07	1.9408E+00	4.2000E+07	1.9348E+00	9236	3	18	196
4.4000E+07	1.9111E+00	4.6000E+07	1.8851E+00	4.8000E+07	1.8598E+00	9236	3	18	197
5.0000E+07	1.8399E+00	5.2000E+07	1.8214E+00	5.4000E+07	1.8009E+00	9236	3	18	198
5.6000E+07	1.7823E+00	5.8000E+07	1.7641E+00	6.0000E+07	1.7534E+00	9236	3	18	199
6.2000E+07	1.7358E+00	6.4000E+07	1.7193E+00	6.6000E+07	1.7042E+00	9236	3	18	200
6.8000E+07	1.6900E+00	7.0000E+07	1.6766E+00	7.2000E+07	1.6632E+00	9236	3	18	201
7.4000E+07	1.6502E+00	7.6000E+07	1.6382E+00	7.8000E+07	1.6267E+00	9236	3	18	202
8.0000E+07	1.6145E+00	8.5000E+07	1.5875E+00	9.0000E+07	1.5639E+00	9236	3	18	203
9.5000E+07	1.5410E+00	1.0000E+08	1.5184E+00		9236	3	18	204	
					9236	3	0	205	
9.2236E+04	2.3600E+02	0	0	0	09236	3	37	206	
-1.8688E+07	-1.8688E+07	0	0	1	479236	3	37	207	
47	2				9236	3	37	208	
1.8767E+07	0.0000E+00	1.9000E+07	1.1200E-08	2.0000E+07	6.1100E-04	9236	3	37	209
2.1000E+07	1.0800E-02	2.2000E+07	3.9000E-02	2.3000E+07	7.6900E-02	9236	3	37	210
2.4000E+07	1.1200E-01	2.5000E+07	1.4200E-01	2.6000E+07	1.6300E-01	9236	3	37	211
2.7000E+07	1.7500E-01	2.8000E+07	1.7400E-01	2.9000E+07	1.6300E-01	9236	3	37	212
3.0000E+07	1.4400E-01	3.1000E+07	1.2400E-01	3.2000E+07	1.0400E-01	9236	3	37	213
3.3000E+07	8.8700E-02	3.4000E+07	7.5700E-02	3.5000E+07	6.5300E-02	9236	3	37	214
3.6000E+07	5.6700E-02	3.7000E+07	5.0600E-02	3.8000E+07	4.5600E-02	9236	3	37	215
3.9000E+07	4.1100E-02	4.0000E+07	3.7400E-02	4.2000E+07	3.0600E-02	9236	3	37	216
4.4000E+07	2.7000E-02	4.6000E+07	2.4000E-02	4.8000E+07	2.1700E-02	9236	3	37	217
5.0000E+07	2.0000E-02	5.2000E+07	1.8600E-02	5.4000E+07	1.7500E-02	9236	3	37	218
5.6000E+07	1.6600E-02	5.8000E+07	1.5800E-02	6.0000E+07	1.5200E-02	9236	3	37	219
6.2000E+07	1.4600E-02	6.4000E+07	1.4000E-02	6.6000E+07	1.3600E-02	9236	3	37	220
6.8000E+07	1.3200E-02	7.0000E+07	1.2800E-02	7.2000E+07	1.2400E-02	9236	3	37	221
7.4000E+07	1.2100E-02	7.6000E+07	1.1200E-02	7.8000E+07	1.0900E-02	9236	3	37	222
8.0000E+07	1.0700E-02	8.5000E+07	1.0000E-02	9.0000E+07	9.4600E-03	9236	3	37	223
9.5000E+07	9.0100E-03	1.0000E+08	8.5500E-03		9236	3	37	224	
					9236	3	0	225	
9.2236E+04	2.3600E+02	0	0	0	09236	3	103	226	
-2.3155E+06	-2.3155E+06	0	0	1	579236	3	103	227	

	57		2				9236	3103	228
2.3253E+06	0.0000E+00	9.0000E+06	3.9600E-06	1.0000E+07	5.2600E-05	9236	3103	229	
1.1000E+07	2.0300E-04	1.2000E+07	5.9000E-04	1.3000E+07	1.3600E-03	9236	3103	230	
1.4000E+07	2.3900E-03	1.5000E+07	4.3600E-03	1.6000E+07	7.1200E-03	9236	3103	231	
1.7000E+07	1.0500E-02	1.8000E+07	1.2900E-02	1.9000E+07	1.6600E-02	9236	3103	232	
2.0000E+07	1.9700E-02	2.1000E+07	2.2000E-02	2.2000E+07	2.2900E-02	9236	3103	233	
2.3000E+07	2.4900E-02	2.4000E+07	2.6800E-02	2.5000E+07	2.8500E-02	9236	3103	234	
2.6000E+07	2.9800E-02	2.7000E+07	2.9900E-02	2.8000E+07	3.0200E-02	9236	3103	235	
2.9000E+07	3.0300E-02	3.0000E+07	3.0500E-02	3.1000E+07	3.0600E-02	9236	3103	236	
3.2000E+07	3.0900E-02	3.3000E+07	3.1100E-02	3.4000E+07	3.1000E-02	9236	3103	237	
3.5000E+07	3.0800E-02	3.6000E+07	3.0500E-02	3.7000E+07	3.0100E-02	9236	3103	238	
3.8000E+07	2.9800E-02	3.9000E+07	2.9500E-02	4.0000E+07	2.9300E-02	9236	3103	239	
4.2000E+07	3.0000E-02	4.4000E+07	2.9200E-02	4.6000E+07	2.8500E-02	9236	3103	240	
4.8000E+07	2.7700E-02	5.0000E+07	2.7000E-02	5.2000E+07	2.6300E-02	9236	3103	241	
5.4000E+07	2.5600E-02	5.6000E+07	2.4800E-02	5.8000E+07	2.4100E-02	9236	3103	242	
6.0000E+07	2.3500E-02	6.2000E+07	2.2800E-02	6.4000E+07	2.2200E-02	9236	3103	243	
6.6000E+07	2.1600E-02	6.8000E+07	2.1000E-02	7.0000E+07	2.0400E-02	9236	3103	244	
7.2000E+07	1.9900E-02	7.4000E+07	1.9300E-02	7.6000E+07	1.8800E-02	9236	3103	245	
7.8000E+07	1.8300E-02	8.0000E+07	1.7800E-02	8.5000E+07	1.6700E-02	9236	3103	246	
9.0000E+07	1.5700E-02	9.5000E+07	1.4800E-02	1.0000E+08	1.3900E-02	9236	3103	247	
						9236	3	0	248
9.2236E+04	2.3600E+02		0	0	0	09236	3111	249	
-8.2148E+06	-8.2148E+06		0	0	1	449236	3111	250	
	44		2			9236	3111	251	
8.2496E+06	0.0000E+00	2.2000E+07	2.1100E-07	2.3000E+07	1.9500E-06	9236	3111	252	
2.4000E+07	8.1900E-06	2.5000E+07	2.4800E-05	2.6000E+07	5.8900E-05	9236	3111	253	
2.7000E+07	1.0900E-04	2.8000E+07	1.8900E-04	2.9000E+07	2.9600E-04	9236	3111	254	
3.0000E+07	4.3100E-04	3.1000E+07	5.5300E-04	3.2000E+07	7.3700E-04	9236	3111	255	
3.3000E+07	9.4300E-04	3.4000E+07	1.1700E-03	3.5000E+07	1.4000E-03	9236	3111	256	
3.6000E+07	1.6300E-03	3.7000E+07	1.8200E-03	3.8000E+07	2.0900E-03	9236	3111	257	
3.9000E+07	2.3700E-03	4.0000E+07	2.6700E-03	4.2000E+07	3.2000E-03	9236	3111	258	
4.4000E+07	3.5400E-03	4.6000E+07	3.8800E-03	4.8000E+07	4.1500E-03	9236	3111	259	
5.0000E+07	4.3400E-03	5.2000E+07	4.4700E-03	5.4000E+07	4.5400E-03	9236	3111	260	
5.6000E+07	4.6400E-03	5.8000E+07	4.7400E-03	6.0000E+07	4.8000E-03	9236	3111	261	
6.2000E+07	4.8200E-03	6.4000E+07	4.8800E-03	6.6000E+07	4.9400E-03	9236	3111	262	
6.8000E+07	4.9800E-03	7.0000E+07	4.9900E-03	7.2000E+07	5.0100E-03	9236	3111	263	
7.4000E+07	5.0300E-03	7.6000E+07	5.0400E-03	7.8000E+07	5.0400E-03	9236	3111	264	
8.0000E+07	5.0600E-03	8.5000E+07	5.0400E-03	9.0000E+07	5.0400E-03	9236	3111	265	
9.5000E+07	5.0500E-03	1.0000E+08	5.0200E-03			9236	3111	266	
						9236	3	0	267
9.2236E+04	2.3600E+02		0	0	0	09236	3121	268	
-2.4442E+07	-2.4442E+07		0	0	1	409236	3121	269	
	40		2			9236	3121	270	
2.4545E+07	0.0000E+00	2.6000E+07	1.8600E-05	2.7000E+07	5.9900E-04	9236	3121	271	
2.8000E+07	3.4700E-03	2.9000E+07	9.3500E-03	3.0000E+07	1.8200E-02	9236	3121	272	
3.1000E+07	2.8000E-02	3.2000E+07	3.7200E-02	3.3000E+07	4.4800E-02	9236	3121	273	
3.4000E+07	5.0500E-02	3.5000E+07	5.3300E-02	3.6000E+07	5.3400E-02	9236	3121	274	
3.7000E+07	5.1500E-02	3.8000E+07	4.8200E-02	3.9000E+07	4.4100E-02	9236	3121	275	
4.0000E+07	3.9800E-02	4.2000E+07	2.6900E-02	4.4000E+07	2.1500E-02	9236	3121	276	
4.6000E+07	1.7300E-02	4.8000E+07	1.4200E-02	5.0000E+07	1.2100E-02	9236	3121	277	
5.2000E+07	1.0500E-02	5.4000E+07	9.4400E-03	5.6000E+07	8.5500E-03	9236	3121	278	
5.8000E+07	7.7900E-03	6.0000E+07	7.2700E-03	6.2000E+07	6.7600E-03	9236	3121	279	
6.4000E+07	6.2900E-03	6.6000E+07	5.9500E-03	6.8000E+07	5.6500E-03	9236	3121	280	
7.0000E+07	5.3900E-03	7.2000E+07	5.1700E-03	7.4000E+07	4.9700E-03	9236	3121	281	
7.6000E+07	4.9200E-03	7.8000E+07	4.7400E-03	8.0000E+07	4.6100E-03	9236	3121	282	
8.5000E+07	4.3000E-03	9.0000E+07	4.0400E-03	9.5000E+07	3.8400E-03	9236	3121	283	
1.0000E+08	3.6400E-03					9236	3121	284	
						9236	3	0	285
9.2236E+04	2.3600E+02		0	0	0	09236	3122	286	
-3.1696E+07	-3.1696E+07		0	0	1	339236	3122	287	
	33		2			9236	3122	288	
3.1831E+07	0.0000E+00	3.3000E+07	1.2200E-08	3.4000E+07	1.9500E-06	9236	3122	289	
3.5000E+07	3.2600E-05	3.6000E+07	2.0700E-04	3.7000E+07	6.5000E-04	9236	3122	290	
3.8000E+07	1.5300E-03	3.9000E+07	2.8400E-03	4.0000E+07	4.5200E-03	9236	3122	291	
4.2000E+07	8.2300E-03	4.4000E+07	1.0600E-02	4.6000E+07	1.1500E-02	9236	3122	292	
4.8000E+07	1.0800E-02	5.0000E+07	9.3900E-03	5.2000E+07	7.8500E-03	9236	3122	293	
5.4000E+07	6.5100E-03	5.6000E+07	5.4000E-03	5.8000E+07	4.5600E-03	9236	3122	294	

6.0000E+07	3.9900E-03	6.2000E+07	3.5000E-03	6.4000E+07	3.1000E-03	9236	3122	295
6.6000E+07	2.8000E-03	6.8000E+07	2.5500E-03	7.0000E+07	2.3500E-03	9236	3122	296
7.2000E+07	2.1800E-03	7.4000E+07	1.9600E-03	7.6000E+07	1.8200E-03	9236	3122	297
7.8000E+07	1.7300E-03	8.0000E+07	1.6300E-03	8.5000E+07	1.4500E-03	9236	3122	298
9.0000E+07	1.3200E-03	9.5000E+07	1.2100E-03	1.0000E+08	1.1100E-03	9236	3122	299
						9236	3	300
9.2236E+04	2.3600E+02	0	0	0	0	09236	3123	301
-3.7595E+07	-3.7595E+07	0	0	1	1	279236	3123	302
27	2					9236	3123	303
3.7754E+07	0.0000E+00	3.9000E+07	3.5700E-11	4.0000E+07	1.7000E-08	9236	3123	304
4.2000E+07	4.9100E-06	4.4000E+07	5.4000E-05	4.6000E+07	2.4400E-04	9236	3123	305
4.8000E+07	5.8700E-04	5.0000E+07	9.6800E-04	5.2000E+07	1.2600E-03	9236	3123	306
5.4000E+07	1.3800E-03	5.6000E+07	1.3500E-03	5.8000E+07	1.2400E-03	9236	3123	307
6.0000E+07	1.1200E-03	6.2000E+07	9.6200E-04	6.4000E+07	8.1800E-04	9236	3123	308
6.6000E+07	7.0600E-04	6.8000E+07	6.1500E-04	7.0000E+07	5.4000E-04	9236	3123	309
7.2000E+07	4.8500E-04	7.4000E+07	4.4400E-04	7.6000E+07	3.9900E-04	9236	3123	310
7.8000E+07	3.6900E-04	8.0000E+07	3.4200E-04	8.5000E+07	2.9600E-04	9236	3123	311
9.0000E+07	2.6500E-04	9.5000E+07	2.4000E-04	1.0000E+08	2.0500E-04	9236	3123	312
						9236	3	313
9.2236E+04	2.3600E+02	0	0	0	0	09236	3124	314
-4.5261E+07	-4.5261E+07	0	0	1	1	229236	3124	315
22	2					9236	3124	316
4.5453E+07	0.0000E+00	4.8000E+07	7.7000E-11	5.0000E+07	2.5600E-08	9236	3124	317
5.2000E+07	6.0700E-07	5.4000E+07	3.4900E-06	5.6000E+07	1.0900E-05	9236	3124	318
5.8000E+07	2.2600E-05	6.0000E+07	3.3800E-05	6.2000E+07	4.6300E-05	9236	3124	319
6.4000E+07	5.4300E-05	6.6000E+07	5.6800E-05	6.8000E+07	5.5400E-05	9236	3124	320
7.0000E+07	5.1600E-05	7.2000E+07	4.6800E-05	7.4000E+07	4.1700E-05	9236	3124	321
7.6000E+07	3.6600E-05	7.8000E+07	3.2500E-05	8.0000E+07	2.8800E-05	9236	3124	322
8.5000E+07	2.2000E-05	9.0000E+07	1.7800E-05	9.5000E+07	1.5200E-05	9236	3124	323
1.0000E+08	1.3800E-05					9236	3124	324
						9236	3	325
9.2236E+04	2.3600E+02	0	0	0	0	09236	3125	326
-5.1353E+07	-5.1353E+07	0	0	1	1	199236	3125	327
19	2					9236	3125	328
5.1570E+07	0.0000E+00	5.4000E+07	4.0600E-14	5.6000E+07	4.0000E-11	9236	3125	329
5.8000E+07	1.6000E-09	6.0000E+07	1.1400E-08	6.2000E+07	6.4400E-08	9236	3125	330
6.4000E+07	1.9700E-07	6.6000E+07	4.0500E-07	6.8000E+07	6.6900E-07	9236	3125	331
7.0000E+07	9.2500E-07	7.2000E+07	1.1000E-06	7.4000E+07	1.2100E-06	9236	3125	332
7.6000E+07	1.2300E-06	7.8000E+07	1.1900E-06	8.0000E+07	1.1200E-06	9236	3125	333
8.5000E+07	8.8200E-07	9.0000E+07	6.9500E-07	9.5000E+07	5.4700E-07	9236	3125	334
1.0000E+08	4.5200E-07					9236	3125	335
						9236	3	336
9.2236E+04	2.3600E+02	0	0	0	0	09236	3126	337
-5.9083E+07	-5.9083E+07	0	0	1	1	159236	3126	338
15	2					9236	3126	339
5.9334E+07	0.0000E+00	6.2000E+07	2.0300E-17	6.4000E+07	3.1000E-14	9236	3126	340
6.6000E+07	1.7700E-12	6.8000E+07	2.4100E-11	7.0000E+07	1.6600E-10	9236	3126	341
7.2000E+07	6.3300E-10	7.4000E+07	1.7300E-09	7.6000E+07	3.7700E-09	9236	3126	342
7.8000E+07	6.2400E-09	8.0000E+07	9.0000E-09	8.5000E+07	1.3900E-08	9236	3126	343
9.0000E+07	1.4400E-08	9.5000E+07	1.2600E-08	1.0000E+08	1.0300E-08	9236	3126	344
						9236	3	345
9.2236E+04	2.3600E+02	0	0	0	0	09236	3153	346
-4.9426E+06	-4.9426E+06	0	0	1	1	529236	3153	347
52	2					9236	3153	348
4.9635E+06	0.0000E+00	1.4000E+07	3.6600E-04	1.5000E+07	9.8500E-04	9236	3153	349
1.6000E+07	1.8100E-03	1.7000E+07	2.8900E-03	1.8000E+07	3.6900E-03	9236	3153	350
1.9000E+07	5.6600E-03	2.0000E+07	8.0400E-03	2.1000E+07	1.0900E-02	9236	3153	351
2.2000E+07	1.3400E-02	2.3000E+07	1.7900E-02	2.4000E+07	2.3200E-02	9236	3153	352
2.5000E+07	2.8600E-02	2.6000E+07	3.4100E-02	2.7000E+07	3.8600E-02	9236	3153	353
2.8000E+07	4.3700E-02	2.9000E+07	4.7900E-02	3.0000E+07	5.1900E-02	9236	3153	354
3.1000E+07	5.4200E-02	3.2000E+07	5.7400E-02	3.3000E+07	6.0000E-02	9236	3153	355
3.4000E+07	6.2200E-02	3.5000E+07	6.3700E-02	3.6000E+07	6.4000E-02	9236	3153	356
3.7000E+07	6.2800E-02	3.8000E+07	6.2600E-02	3.9000E+07	6.2400E-02	9236	3153	357
4.0000E+07	6.2200E-02	4.2000E+07	6.1200E-02	4.4000E+07	6.0300E-02	9236	3153	358
4.6000E+07	5.9600E-02	4.8000E+07	5.9100E-02	5.0000E+07	5.8800E-02	9236	3153	359
5.2000E+07	5.8400E-02	5.4000E+07	5.7900E-02	5.6000E+07	5.7100E-02	9236	3153	360
5.8000E+07	5.6500E-02	6.0000E+07	5.6000E-02	6.2000E+07	5.5400E-02	9236	3153	361

6.4000E+07	5.4600E-02	6.6000E+07	5.4000E-02	6.8000E+07	5.3600E-02	9236	3153	362
7.0000E+07	5.3100E-02	7.2000E+07	5.2600E-02	7.4000E+07	5.2000E-02	9236	3153	363
7.6000E+07	5.1500E-02	7.8000E+07	5.0900E-02	8.0000E+07	5.0600E-02	9236	3153	364
8.5000E+07	4.9100E-02	9.0000E+07	4.7800E-02	9.5000E+07	4.6500E-02	9236	3153	365
1.0000E+08	4.5400E-02					9236	3153	366
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0		09236	3154	368
-1.1043E+07	-1.1043E+07	0	0	1		469236	3154	369
	46	2				9236	3154	370
1.1090E+07	0.0000E+00	2.0000E+07	1.3000E-08	2.1000E+07	1.9800E-06	9236	3154	371
2.2000E+07	1.6600E-05	2.3000E+07	7.3300E-05	2.4000E+07	2.5900E-04	9236	3154	372
2.5000E+07	6.8700E-04	2.6000E+07	1.5200E-03	2.7000E+07	3.0000E-03	9236	3154	373
2.8000E+07	5.1100E-03	2.9000E+07	7.8600E-03	3.0000E+07	1.1300E-02	9236	3154	374
3.1000E+07	1.5200E-02	3.2000E+07	1.9500E-02	3.3000E+07	2.3900E-02	9236	3154	375
3.4000E+07	2.8200E-02	3.5000E+07	3.2500E-02	3.6000E+07	3.6900E-02	9236	3154	376
3.7000E+07	4.0900E-02	3.8000E+07	4.4900E-02	3.9000E+07	4.8200E-02	9236	3154	377
4.0000E+07	5.1400E-02	4.2000E+07	5.4700E-02	4.4000E+07	5.6800E-02	9236	3154	378
4.6000E+07	5.9000E-02	4.8000E+07	5.8300E-02	5.0000E+07	5.6300E-02	9236	3154	379
5.2000E+07	5.4200E-02	5.4000E+07	5.2200E-02	5.6000E+07	5.0600E-02	9236	3154	380
5.8000E+07	4.9200E-02	6.0000E+07	4.8000E-02	6.2000E+07	4.7900E-02	9236	3154	381
6.4000E+07	4.6900E-02	6.6000E+07	4.6200E-02	6.8000E+07	4.5400E-02	9236	3154	382
7.0000E+07	4.4300E-02	7.2000E+07	4.3600E-02	7.4000E+07	4.3100E-02	9236	3154	383
7.6000E+07	4.2400E-02	7.8000E+07	4.1700E-02	8.0000E+07	4.1500E-02	9236	3154	384
8.5000E+07	4.0600E-02	9.0000E+07	3.8900E-02	9.5000E+07	3.7700E-02	9236	3154	385
1.0000E+08	3.6900E-02					9236	3154	386
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0		09236	3155	388
-1.6253E+07	-1.6253E+07	0	0	1		429236	3155	389
	42	2				9236	3155	390
1.6322E+07	0.0000E+00	2.4000E+07	3.1200E-10	2.5000E+07	3.2500E-09	9236	3155	391
2.6000E+07	8.2500E-08	2.7000E+07	2.2000E-06	2.8000E+07	1.5800E-05	9236	3155	392
2.9000E+07	7.0500E-05	3.0000E+07	2.3300E-04	3.1000E+07	6.2400E-04	9236	3155	393
3.2000E+07	1.3600E-03	3.3000E+07	2.5800E-03	3.4000E+07	4.2700E-03	9236	3155	394
3.5000E+07	6.6500E-03	3.6000E+07	9.4900E-03	3.7000E+07	1.2800E-02	9236	3155	395
3.8000E+07	1.6300E-02	3.9000E+07	2.0200E-02	4.0000E+07	2.4200E-02	9236	3155	396
4.2000E+07	3.2400E-02	4.4000E+07	3.9200E-02	4.6000E+07	4.4100E-02	9236	3155	397
4.8000E+07	4.9300E-02	5.0000E+07	5.4500E-02	5.2000E+07	5.8700E-02	9236	3155	398
5.4000E+07	6.1400E-02	5.6000E+07	6.3300E-02	5.8000E+07	6.4500E-02	9236	3155	399
6.0000E+07	6.5000E-02	6.2000E+07	6.4700E-02	6.4000E+07	6.3600E-02	9236	3155	400
6.6000E+07	6.0400E-02	6.8000E+07	5.7800E-02	7.0000E+07	5.5900E-02	9236	3155	401
7.2000E+07	5.4100E-02	7.4000E+07	5.3000E-02	7.6000E+07	5.1700E-02	9236	3155	402
7.8000E+07	5.0300E-02	8.0000E+07	4.9400E-02	8.5000E+07	4.6900E-02	9236	3155	403
9.0000E+07	4.4300E-02	9.5000E+07	4.2800E-02	1.0000E+08	4.1600E-02	9236	3155	404
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0		09236	3156	406
-2.2772E+07	-2.2772E+07	0	0	1		369236	3156	407
	36	2				9236	3156	408
2.2868E+07	0.0000E+00	3.0000E+07	2.4000E-12	3.1000E+07	3.0000E-10	9236	3156	409
3.2000E+07	3.2800E-09	3.3000E+07	4.7500E-08	3.4000E+07	6.9200E-07	9236	3156	410
3.5000E+07	5.0900E-06	3.6000E+07	2.3300E-05	3.7000E+07	8.2000E-05	9236	3156	411
3.8000E+07	2.2900E-04	3.9000E+07	5.3400E-04	4.0000E+07	1.0700E-03	9236	3156	412
4.2000E+07	3.0800E-03	4.4000E+07	6.6600E-03	4.6000E+07	1.1300E-02	9236	3156	413
4.8000E+07	1.6700E-02	5.0000E+07	2.1200E-02	5.2000E+07	2.5000E-02	9236	3156	414
5.4000E+07	2.8000E-02	5.6000E+07	3.0300E-02	5.8000E+07	3.2200E-02	9236	3156	415
6.0000E+07	3.3800E-02	6.2000E+07	3.5100E-02	6.4000E+07	3.6500E-02	9236	3156	416
6.6000E+07	3.8500E-02	6.8000E+07	4.0000E-02	7.0000E+07	4.1000E-02	9236	3156	417
7.2000E+07	4.1700E-02	7.4000E+07	4.1800E-02	7.6000E+07	4.1700E-02	9236	3156	418
7.8000E+07	4.1100E-02	8.0000E+07	4.0400E-02	8.5000E+07	3.7100E-02	9236	3156	419
9.0000E+07	3.3700E-02	9.5000E+07	3.1500E-02	1.0000E+08	2.9800E-02	9236	3156	420
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0		09236	3157	422
-2.8332E+07	-2.8332E+07	0	0	1		309236	3157	423
	30	2				9236	3157	424
2.8452E+07	0.0000E+00	3.6000E+07	1.8400E-12	3.7000E+07	1.7200E-10	9236	3157	425
3.8000E+07	2.1200E-09	3.9000E+07	1.8200E-08	4.0000E+07	1.7600E-07	9236	3157	426
4.2000E+07	4.2400E-06	4.4000E+07	5.3700E-05	4.6000E+07	2.9900E-04	9236	3157	427
4.8000E+07	1.1600E-03	5.0000E+07	2.7200E-03	5.2000E+07	5.1000E-03	9236	3157	428

5.4000E+07	8.1200E-03	5.6000E+07	1.1200E-02	5.8000E+07	1.4000E-02	9236	3157	429
6.0000E+07	1.6200E-02	6.2000E+07	1.7900E-02	6.4000E+07	1.8900E-02	9236	3157	430
6.6000E+07	2.0200E-02	6.8000E+07	2.1300E-02	7.0000E+07	2.1900E-02	9236	3157	431
7.2000E+07	2.2600E-02	7.4000E+07	2.3200E-02	7.6000E+07	2.3800E-02	9236	3157	432
7.8000E+07	2.4300E-02	8.0000E+07	2.4900E-02	8.5000E+07	2.6700E-02	9236	3157	433
9.0000E+07	2.7300E-02	9.5000E+07	2.6500E-02	1.0000E+08	2.4600E-02	9236	3157	434
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3158	436
-3.5147E+07	-3.5147E+07	0	0	1	1	259236	3158	437
	25	2				9236	3158	438
3.5295E+07	0.0000E+00	4.2000E+07	1.8700E-14	4.4000E+07	5.6100E-11	9236	3158	439
4.6000E+07	3.6200E-09	4.8000E+07	1.7100E-07	5.0000E+07	3.2000E-06	9236	3158	440
5.2000E+07	3.0200E-05	5.4000E+07	1.6500E-04	5.6000E+07	5.4200E-04	9236	3158	441
5.8000E+07	1.3800E-03	6.0000E+07	2.7500E-03	6.2000E+07	4.5200E-03	9236	3158	442
6.4000E+07	6.6200E-03	6.6000E+07	8.6100E-03	6.8000E+07	1.0300E-02	9236	3158	443
7.0000E+07	1.1500E-02	7.2000E+07	1.2300E-02	7.4000E+07	1.2900E-02	9236	3158	444
7.6000E+07	1.3300E-02	7.8000E+07	1.3800E-02	8.0000E+07	1.4000E-02	9236	3158	445
8.5000E+07	1.5000E-02	9.0000E+07	1.5700E-02	9.5000E+07	1.6400E-02	9236	3158	446
1.0000E+08	1.7300E-02					9236	3158	447
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3159	449
-4.0940E+07	-4.0940E+07	0	0	1	1	219236	3159	450
	21	2				9236	3159	451
4.1113E+07	0.0000E+00	5.0000E+07	4.7200E-12	5.2000E+07	5.2800E-10	9236	3159	452
5.4000E+07	1.8200E-08	5.6000E+07	3.1800E-07	5.8000E+07	3.8700E-06	9236	3159	453
6.0000E+07	2.5400E-05	6.2000E+07	1.0800E-04	6.4000E+07	3.4800E-04	9236	3159	454
6.6000E+07	8.4100E-04	6.8000E+07	1.6000E-03	7.0000E+07	2.6400E-03	9236	3159	455
7.2000E+07	3.7600E-03	7.4000E+07	4.8900E-03	7.6000E+07	5.9500E-03	9236	3159	456
7.8000E+07	6.8200E-03	8.0000E+07	7.3800E-03	8.5000E+07	8.1300E-03	9236	3159	457
9.0000E+07	8.7000E-03	9.5000E+07	9.2500E-03	1.0000E+08	9.6700E-03	9236	3159	458
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3160	460
-4.7994E+07	-4.7994E+07	0	0	1	1	179236	3160	461
	17	2				9236	3160	462
4.8198E+07	0.0000E+00	5.8000E+07	1.7500E-12	6.0000E+07	1.0700E-10	9236	3160	463
6.2000E+07	4.0900E-09	6.4000E+07	8.9500E-08	6.6000E+07	1.1000E-06	9236	3160	464
6.8000E+07	7.3900E-06	7.0000E+07	3.4400E-05	7.2000E+07	1.0500E-04	9236	3160	465
7.4000E+07	2.5900E-04	7.6000E+07	5.3300E-04	7.8000E+07	9.2300E-04	9236	3160	466
8.0000E+07	1.3900E-03	8.5000E+07	2.7200E-03	9.0000E+07	3.7300E-03	9236	3160	467
9.5000E+07	4.1500E-03	1.0000E+08	4.3300E-03			9236	3160	468
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3161	470
-5.4028E+07	-5.4028E+07	0	0	1	1	139236	3161	471
	13	2				9236	3161	472
5.4257E+07	0.0000E+00	6.6000E+07	3.6500E-12	6.8000E+07	1.6000E-10	9236	3161	473
7.0000E+07	3.7300E-09	7.2000E+07	4.3700E-08	7.4000E+07	3.6500E-07	9236	3161	474
7.6000E+07	2.1300E-06	7.8000E+07	8.5600E-06	8.0000E+07	2.5700E-05	9236	3161	475
8.5000E+07	1.7700E-04	9.0000E+07	5.5900E-04	9.5000E+07	9.6400E-04	9236	3161	476
1.0000E+08	1.2300E-03					9236	3161	477
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3162	479
-6.1297E+07	-6.1297E+07	0	0	1	1	119236	3162	480
	11	2				9236	3162	481
6.1557E+07	0.0000E+00	7.0000E+07	1.9800E-18	7.2000E+07	2.5800E-15	9236	3162	482
7.4000E+07	4.4400E-13	7.6000E+07	2.4900E-11	7.8000E+07	5.3200E-10	9236	3162	483
8.0000E+07	6.5400E-09	8.5000E+07	6.0700E-07	9.0000E+07	1.2400E-05	9236	3162	484
9.5000E+07	6.7500E-05	1.0000E+08	1.8100E-04			9236	3162	485
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3174	487
-1.0524E+07	-1.0524E+07	0	0	1	1	369236	3174	488
	36	2				9236	3174	489
1.0568E+07	0.0000E+00	3.0000E+07	1.3600E-11	3.1000E+07	2.2900E-09	9236	3174	490
3.2000E+07	2.5600E-08	3.3000E+07	1.2700E-07	3.4000E+07	3.8800E-07	9236	3174	491
3.5000E+07	9.1000E-07	3.6000E+07	1.7800E-06	3.7000E+07	3.5500E-06	9236	3174	492
3.8000E+07	7.0600E-06	3.9000E+07	1.3200E-05	4.0000E+07	2.5800E-05	9236	3174	493
4.2000E+07	1.3800E-04	4.4000E+07	3.1100E-04	4.6000E+07	6.4000E-04	9236	3174	494
4.8000E+07	1.0800E-03	5.0000E+07	1.5400E-03	5.2000E+07	2.1000E-03	9236	3174	495

5.4000E+07	2.7100E-03	5.6000E+07	3.2100E-03	5.8000E+07	3.7200E-03	9236	3174	496
6.0000E+07	4.0900E-03	6.2000E+07	4.3500E-03	6.4000E+07	4.5700E-03	9236	3174	497
6.6000E+07	4.6700E-03	6.8000E+07	4.7700E-03	7.0000E+07	4.8500E-03	9236	3174	498
7.2000E+07	4.9000E-03	7.4000E+07	4.9500E-03	7.6000E+07	4.9600E-03	9236	3174	499
7.8000E+07	4.9300E-03	8.0000E+07	4.9400E-03	8.5000E+07	5.0100E-03	9236	3174	500
9.0000E+07	4.9800E-03	9.5000E+07	4.9000E-03	1.0000E+08	4.6800E-03	9236	3174	501
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3175	503
9.3565E+06	9.3565E+06	0	0	1	1	609236	3175	504
	60	2				9236	3175	505
1.0000E-05	0.0000E+00	6.0000E+06	5.2600E-10	7.0000E+06	2.9600E-08	9236	3175	506
8.0000E+06	1.8800E-07	9.0000E+06	8.1100E-07	1.0000E+07	2.9500E-06	9236	3175	507
1.1000E+07	9.5100E-06	1.2000E+07	2.7400E-05	1.3000E+07	7.0300E-05	9236	3175	508
1.4000E+07	1.5700E-04	1.5000E+07	3.0600E-04	1.6000E+07	5.2200E-04	9236	3175	509
1.7000E+07	7.9200E-04	1.8000E+07	1.0800E-03	1.9000E+07	1.3200E-03	9236	3175	510
2.0000E+07	1.4900E-03	2.1000E+07	1.6100E-03	2.2000E+07	1.6600E-03	9236	3175	511
2.3000E+07	1.6600E-03	2.4000E+07	1.6400E-03	2.5000E+07	1.6000E-03	9236	3175	512
2.6000E+07	1.5500E-03	2.7000E+07	1.4800E-03	2.8000E+07	1.4000E-03	9236	3175	513
2.9000E+07	1.3100E-03	3.0000E+07	1.2200E-03	3.1000E+07	1.1300E-03	9236	3175	514
3.2000E+07	1.0500E-03	3.3000E+07	9.7900E-04	3.4000E+07	9.1100E-04	9236	3175	515
3.5000E+07	8.4800E-04	3.6000E+07	7.8700E-04	3.7000E+07	7.2700E-04	9236	3175	516
3.8000E+07	6.7000E-04	3.9000E+07	6.1600E-04	4.0000E+07	5.6500E-04	9236	3175	517
4.2000E+07	5.2600E-04	4.4000E+07	4.4000E-04	4.6000E+07	3.7600E-04	9236	3175	518
4.8000E+07	3.2400E-04	5.0000E+07	2.7900E-04	5.2000E+07	2.4700E-04	9236	3175	519
5.4000E+07	2.4200E-04	5.6000E+07	3.0000E-04	5.8000E+07	4.4100E-04	9236	3175	520
6.0000E+07	6.9300E-04	6.2000E+07	1.0500E-03	6.4000E+07	1.4600E-03	9236	3175	521
6.6000E+07	1.9300E-03	6.8000E+07	2.3300E-03	7.0000E+07	2.7000E-03	9236	3175	522
7.2000E+07	3.0200E-03	7.4000E+07	3.2100E-03	7.6000E+07	3.4000E-03	9236	3175	523
7.8000E+07	3.5200E-03	8.0000E+07	3.5700E-03	8.5000E+07	3.6200E-03	9236	3175	524
9.0000E+07	3.5000E-03	9.5000E+07	3.4300E-03	1.0000E+08	3.4800E-03	9236	3175	525
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3176	527
4.5699E+06	4.5699E+06	0	0	1	1	559236	3176	528
	55	2				9236	3176	529
1.0000E-05	0.0000E+00	1.1000E+07	3.5500E-08	1.2000E+07	3.7800E-07	9236	3176	530
1.3000E+07	1.4700E-06	1.4000E+07	5.1700E-06	1.5000E+07	1.7300E-05	9236	3176	531
1.6000E+07	5.0700E-05	1.7000E+07	1.3600E-04	1.8000E+07	3.1900E-04	9236	3176	532
1.9000E+07	6.5200E-04	2.0000E+07	1.1200E-03	2.1000E+07	1.5900E-03	9236	3176	533
2.2000E+07	2.2800E-03	2.3000E+07	3.0000E-03	2.4000E+07	3.7700E-03	9236	3176	534
2.5000E+07	4.5100E-03	2.6000E+07	5.1600E-03	2.7000E+07	5.6100E-03	9236	3176	535
2.8000E+07	5.9000E-03	2.9000E+07	6.0000E-03	3.0000E+07	5.9700E-03	9236	3176	536
3.1000E+07	5.8400E-03	3.2000E+07	5.6500E-03	3.3000E+07	5.4000E-03	9236	3176	537
3.4000E+07	5.1200E-03	3.5000E+07	4.8500E-03	3.6000E+07	4.5400E-03	9236	3176	538
3.7000E+07	4.2200E-03	3.8000E+07	3.9400E-03	3.9000E+07	3.6600E-03	9236	3176	539
4.0000E+07	3.4000E-03	4.2000E+07	2.8000E-03	4.4000E+07	2.4100E-03	9236	3176	540
4.6000E+07	2.0100E-03	4.8000E+07	1.7000E-03	5.0000E+07	1.4100E-03	9236	3176	541
5.2000E+07	1.2000E-03	5.4000E+07	1.0200E-03	5.6000E+07	8.5300E-04	9236	3176	542
5.8000E+07	7.1600E-04	6.0000E+07	6.0300E-04	6.2000E+07	5.0700E-04	9236	3176	543
6.4000E+07	4.5700E-04	6.6000E+07	4.7700E-04	6.8000E+07	5.6300E-04	9236	3176	544
7.0000E+07	7.3600E-04	7.2000E+07	1.0200E-03	7.4000E+07	1.4000E-03	9236	3176	545
7.6000E+07	1.8100E-03	7.8000E+07	2.3300E-03	8.0000E+07	2.8100E-03	9236	3176	546
8.5000E+07	3.7800E-03	9.0000E+07	4.5400E-03	9.5000E+07	4.8100E-03	9236	3176	547
1.0000E+08	4.9000E-03					9236	3176	548
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3177	550
-1.8668E+06	-1.8668E+06	0	0	1	1	489236	3177	551
	48	2				9236	3177	552
1.8747E+06	0.0000E+00	1.8000E+07	2.7100E-08	1.9000E+07	3.4100E-07	9236	3177	553
2.0000E+07	1.4600E-06	2.1000E+07	4.4300E-06	2.2000E+07	1.4000E-05	9236	3177	554
2.3000E+07	3.9700E-05	2.4000E+07	1.0500E-04	2.5000E+07	2.5900E-04	9236	3177	555
2.6000E+07	5.4400E-04	2.7000E+07	1.0000E-03	2.8000E+07	1.6200E-03	9236	3177	556
2.9000E+07	2.3800E-03	3.0000E+07	3.2000E-03	3.1000E+07	4.0100E-03	9236	3177	557
3.2000E+07	4.7600E-03	3.3000E+07	5.3800E-03	3.4000E+07	5.8100E-03	9236	3177	558
3.5000E+07	6.0600E-03	3.6000E+07	6.1600E-03	3.7000E+07	6.1300E-03	9236	3177	559
3.8000E+07	6.0000E-03	3.9000E+07	5.8100E-03	4.0000E+07	5.5700E-03	9236	3177	560
4.2000E+07	5.1500E-03	4.4000E+07	4.5000E-03	4.6000E+07	3.8800E-03	9236	3177	561
4.8000E+07	3.3600E-03	5.0000E+07	2.8800E-03	5.2000E+07	2.4400E-03	9236	3177	562

5.4000E+07	2.0400E-03	5.6000E+07	1.6900E-03	5.8000E+07	1.4200E-03	9236	3177	563
6.0000E+07	1.2200E-03	6.2000E+07	1.0300E-03	6.4000E+07	8.7200E-04	9236	3177	564
6.6000E+07	7.2300E-04	6.8000E+07	5.8400E-04	7.0000E+07	4.7100E-04	9236	3177	565
7.2000E+07	3.6700E-04	7.4000E+07	2.8800E-04	7.6000E+07	2.4000E-04	9236	3177	566
7.8000E+07	2.5200E-04	8.0000E+07	3.4200E-04	8.5000E+07	8.0800E-04	9236	3177	567
9.0000E+07	1.4300E-03	9.5000E+07	2.1900E-03	1.0000E+08	2.8200E-03	9236	3177	568
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3178	570
-6.9876E+06	-6.9876E+06	0	0	1	1	439236	3178	571
	43	2				9236	3178	572
7.0172E+06	0.0000E+00	2.3000E+07	1.0200E-09	2.4000E+07	6.9600E-08	9236	3178	573
2.5000E+07	5.4300E-07	2.6000E+07	2.0700E-06	2.7000E+07	6.6000E-06	9236	3178	574
2.8000E+07	1.8800E-05	2.9000E+07	4.9200E-05	3.0000E+07	1.2500E-04	9236	3178	575
3.1000E+07	2.8300E-04	3.2000E+07	5.8100E-04	3.3000E+07	1.0600E-03	9236	3178	576
3.4000E+07	1.7200E-03	3.5000E+07	2.5100E-03	3.6000E+07	3.4900E-03	9236	3178	577
3.7000E+07	4.5200E-03	3.8000E+07	5.5200E-03	3.9000E+07	6.4900E-03	9236	3178	578
4.0000E+07	7.3000E-03	4.2000E+07	8.1700E-03	4.4000E+07	8.6500E-03	9236	3178	579
4.6000E+07	8.5100E-03	4.8000E+07	7.9700E-03	5.0000E+07	7.1900E-03	9236	3178	580
5.2000E+07	6.3300E-03	5.4000E+07	5.6000E-03	5.6000E+07	4.8000E-03	9236	3178	581
5.8000E+07	4.1200E-03	6.0000E+07	3.5300E-03	6.2000E+07	2.9800E-03	9236	3178	582
6.4000E+07	2.4700E-03	6.6000E+07	2.0800E-03	6.8000E+07	1.7300E-03	9236	3178	583
7.0000E+07	1.4900E-03	7.2000E+07	1.2600E-03	7.4000E+07	1.0500E-03	9236	3178	584
7.6000E+07	8.6600E-04	7.8000E+07	6.8800E-04	8.0000E+07	5.2800E-04	9236	3178	585
8.5000E+07	2.5500E-04	9.0000E+07	3.2000E-04	9.5000E+07	7.2100E-04	9236	3178	586
1.0000E+08	1.2800E-03					9236	3178	587
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3179	589
-1.3779E+07	-1.3779E+07	0	0	1	1	369236	3179	590
	36	2				9236	3179	591
1.3837E+07	0.0000E+00	3.0000E+07	4.8300E-11	3.1000E+07	4.9400E-09	9236	3179	592
3.2000E+07	6.8400E-08	3.3000E+07	3.7200E-07	3.4000E+07	1.4800E-06	9236	3179	593
3.5000E+07	4.6100E-06	3.6000E+07	1.3000E-05	3.7000E+07	3.5200E-05	9236	3179	594
3.8000E+07	8.5200E-05	3.9000E+07	1.8800E-04	4.0000E+07	3.7300E-04	9236	3179	595
4.2000E+07	1.1000E-03	4.4000E+07	2.4100E-03	4.6000E+07	3.9500E-03	9236	3179	596
4.8000E+07	5.3100E-03	5.0000E+07	6.2700E-03	5.2000E+07	6.6600E-03	9236	3179	597
5.4000E+07	6.5900E-03	5.6000E+07	6.1700E-03	5.8000E+07	5.4700E-03	9236	3179	598
6.0000E+07	4.8600E-03	6.2000E+07	4.2300E-03	6.4000E+07	3.6300E-03	9236	3179	599
6.6000E+07	3.0900E-03	6.8000E+07	2.5900E-03	7.0000E+07	2.2100E-03	9236	3179	600
7.2000E+07	1.8600E-03	7.4000E+07	1.5800E-03	7.6000E+07	1.3400E-03	9236	3179	601
7.8000E+07	1.1300E-03	8.0000E+07	9.5800E-04	8.5000E+07	5.8100E-04	9236	3179	602
9.0000E+07	2.9400E-04	9.5000E+07	1.1300E-04	1.0000E+08	1.3500E-04	9236	3179	603
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3180	605
-1.9028E+07	-1.9028E+07	0	0	1	1	319236	3180	606
	31	2				9236	3180	607
1.9108E+07	0.0000E+00	3.5000E+07	1.0800E-13	3.6000E+07	2.3500E-10	9236	3180	608
3.7000E+07	7.0800E-09	3.8000E+07	6.1000E-08	3.9000E+07	2.9300E-07	9236	3180	609
4.0000E+07	1.0100E-06	4.2000E+07	7.8700E-06	4.4000E+07	5.2100E-05	9236	3180	610
4.6000E+07	2.1900E-04	4.8000E+07	6.7900E-04	5.0000E+07	1.5800E-03	9236	3180	611
5.2000E+07	2.8300E-03	5.4000E+07	4.1500E-03	5.6000E+07	5.4900E-03	9236	3180	612
5.8000E+07	6.5600E-03	6.0000E+07	7.0200E-03	6.2000E+07	7.0900E-03	9236	3180	613
6.4000E+07	6.7800E-03	6.6000E+07	6.2800E-03	6.8000E+07	5.6300E-03	9236	3180	614
7.0000E+07	5.0300E-03	7.2000E+07	4.4200E-03	7.4000E+07	3.8100E-03	9236	3180	615
7.6000E+07	3.2900E-03	7.8000E+07	2.8000E-03	8.0000E+07	2.3700E-03	9236	3180	616
8.5000E+07	1.5600E-03	9.0000E+07	1.0500E-03	9.5000E+07	6.2300E-04	9236	3180	617
1.0000E+08	3.0700E-04					9236	3180	618
						9236	3	0
9.2236E+04	2.3600E+02	0	0	0	0	09236	3181	620
-2.6148E+07	-2.6148E+07	0	0	1	1	249236	3181	621
	24	2				9236	3181	622
2.6258E+07	0.0000E+00	4.4000E+07	4.1100E-10	4.6000E+07	1.4100E-08	9236	3181	623
4.8000E+07	2.2200E-07	5.0000E+07	2.0500E-06	5.2000E+07	1.2700E-05	9236	3181	624
5.4000E+07	5.8300E-05	5.6000E+07	2.0300E-04	5.8000E+07	5.2200E-04	9236	3181	625
6.0000E+07	1.0200E-03	6.2000E+07	1.6800E-03	6.4000E+07	2.4100E-03	9236	3181	626
6.6000E+07	2.9600E-03	6.8000E+07	3.3300E-03	7.0000E+07	3.4500E-03	9236	3181	627
7.2000E+07	3.4000E-03	7.4000E+07	3.2200E-03	7.6000E+07	2.9600E-03	9236	3181	628
7.8000E+07	2.6500E-03	8.0000E+07	2.3400E-03	8.5000E+07	1.6300E-03	9236	3181	629

9.0000E+07	1.0600E-03	9.5000E+07	7.0500E-04	1.0000E+08	4.5700E-04	9236	3181	630
						9236	3	0
9.2236E+04	2.3600E+02		0	0	0	09236	3182	632
-3.1602E+07	-3.1602E+07		0	0	1	219236	3182	633
	21	2				9236	3182	634
3.1736E+07	0.0000E+00	5.0000E+07	4.1600E-11	5.2000E+07	3.7400E-09	9236	3182	635
5.4000E+07	6.6400E-08	5.6000E+07	6.1100E-07	5.8000E+07	4.2600E-06	9236	3182	636
6.0000E+07	2.0600E-05	6.2000E+07	8.1500E-05	6.4000E+07	2.5800E-04	9236	3182	637
6.6000E+07	5.7300E-04	6.8000E+07	1.0600E-03	7.0000E+07	1.6300E-03	9236	3182	638
7.2000E+07	2.2400E-03	7.4000E+07	2.8000E-03	7.6000E+07	3.2200E-03	9236	3182	639
7.8000E+07	3.4700E-03	8.0000E+07	3.5300E-03	8.5000E+07	3.1300E-03	9236	3182	640
9.0000E+07	2.4900E-03	9.5000E+07	1.7700E-03	1.0000E+08	1.2300E-03	9236	3	0
						9236	3183	643
9.2236E+04	2.3600E+02		0	0	0	09236	3183	643
-3.8788E+07	-3.8788E+07		0	0	1	189236	3183	644
	18	2				9236	3183	645
3.8952E+07	0.0000E+00	5.6000E+07	2.5900E-15	5.8000E+07	6.0400E-12	9236	3183	646
6.0000E+07	3.3300E-10	6.2000E+07	8.0200E-09	6.4000E+07	1.1200E-07	9236	3183	647
6.6000E+07	8.2500E-07	6.8000E+07	4.8800E-06	7.0000E+07	2.0000E-05	9236	3183	648
7.2000E+07	6.3200E-05	7.4000E+07	1.6000E-04	7.6000E+07	3.2600E-04	9236	3183	649
7.8000E+07	5.7300E-04	8.0000E+07	8.7800E-04	8.5000E+07	1.5800E-03	9236	3183	650
9.0000E+07	1.8300E-03	9.5000E+07	1.6500E-03	1.0000E+08	1.2900E-03	9236	3	0
						9236	0	0
						0	0	0
						-1	0	0
						0	0	0
U-237	WIND							
9.2237E+04	2.3700E+02		-1	0	99	19237	1451	1
0.0000E+00	0.0000E+00		0	0	0	69237	1451	2
1.0000E+00	0.0000E+00		0	0	10	29237	1451	3
0.0000E+00	0.0000E+00		0	0	67	339237	1451	4
92-	U-237	INPE				9237	1451	5
						9237	1451	6
						9237	1451	7
						9237	1451	8
						9237	1451	9
						9237	1451	10
						9237	1451	11
						9237	1451	12
						9237	1451	13
						9237	1451	14
						9237	1451	15
						9237	1451	16
						9237	1451	17
						9237	1451	18
						9237	1451	19
						9237	1451	20
						9237	1451	21
						9237	1451	22
						9237	1451	23
						9237	1451	24
						9237	1451	25
						9237	1451	26
						9237	1451	27
						9237	1451	28
						9237	1451	29
						9237	1451	30
						9237	1451	31
						9237	1451	32
						9237	1451	33
						9237	1451	34
						9237	1451	35
						9237	1451	36
						9237	1451	37
						9237	1451	38
						9237	1451	39
						9237	1451	40

MT = 18 (N,F) FISSION	CROSS-SECTION			9237 1451	41
MT = 37 (N,4N)	CROSS-SECTION (U234 PRODUCTION)			9237 1451	42
MT =103 (N,P)	CROSS-SECTION (Pa237 PRODUCTION)			9237 1451	43
MT =111 (N,2P)	CROSS-SECTION (Th236 PRODUCTION)			9237 1451	44
MT =121 (N,5N)	CROSS-SECTION (U233 PRODUCTION)			9237 1451	45
MT =122 (N,6N)	CROSS-SECTION (U232 PRODUCTION)			9237 1451	46
MT =123 (N,7N)	CROSS-SECTION (U231 PRODUCTION)			9237 1451	47
MT =124 (N,8N)	CROSS-SECTION (U230 PRODUCTION)			9237 1451	48
MT =125 (N,9N)	CROSS-SECTION (U229 PRODUCTION)			9237 1451	49
MT =126 (N,10N)	CROSS-SECTION (U228 PRODUCTION)			9237 1451	50
MT =153 (N,NP) + (N,D)	CROSS-SECTION (Pa236 PRODUCTION)			9237 1451	51
MT =154 (N,2NP) + (N,ND)	CROSS-SECTION (Pa235 PRODUCTION)			9237 1451	52
MT =155 (N,3NP) + (N,2ND)	CROSS-SECTION (Pa234 PRODUCTION)			9237 1451	53
MT =156 (N,4NP) + (N,3ND)	CROSS-SECTION (Pa233 PRODUCTION)			9237 1451	54
MT =157 (N,5NP) + (N,4ND)	CROSS-SECTION (Pa232 PRODUCTION)			9237 1451	55
MT =158 (N,6NP) + (N,5ND)	CROSS-SECTION (Pa231 PRODUCTION)			9237 1451	56
MT =159 (N,7NP) + (N,6ND)	CROSS-SECTION (Pa230 PRODUCTION)			9237 1451	57
MT =160 (N,8NP) + (N,7ND)	CROSS-SECTION (Pa229 PRODUCTION)			9237 1451	58
MT =161 (N,9NP) + (N,8ND)	CROSS-SECTION (Pa228 PRODUCTION)			9237 1451	59
MT =162 (N,10NP) + (N,9ND)	CROSS-SECTION (Pa227 PRODUCTION)			9237 1451	60
MT =174 (N,N2P) + (N,PD)	CROSS-SECTION (Th235 PRODUCTION)			9237 1451	61
MT =175 (N,2N2P) + (N,X)	CROSS-SECTION (Th234 PRODUCTION)			9237 1451	62
MT =176 (N,3N2P) + (N,X)	CROSS-SECTION (Th233 PRODUCTION)			9237 1451	63
MT =177 (N,4N2P) + (N,X)	CROSS-SECTION (Th232 PRODUCTION)			9237 1451	64
MT =178 (N,5N2P) + (N,X)	CROSS-SECTION (Th231 PRODUCTION)			9237 1451	65
MT =179 (N,6N2P) + (N,X)	CROSS-SECTION (Th230 PRODUCTION)			9237 1451	66
MT =180 (N,7N2P) + (N,X)	CROSS-SECTION (Th229 PRODUCTION)			9237 1451	67
MT =181 (N,8N2P) + (N,X)	CROSS-SECTION (Th228 PRODUCTION)			9237 1451	68
MT =182 (N,9N2P) + (N,X)	CROSS-SECTION (Th227 PRODUCTION)			9237 1451	69
MT =183 (N,10N2P) + (N,X)	CROSS-SECTION (Th226 PRODUCTION)			9237 1451	70
				9237 1451	71
	1	451	104	19237 1451	72
	3	16	23	19237 1451	73
	3	17	21	19237 1451	74
	3	18	27	19237 1451	75
	3	37	19	19237 1451	76
	3	103	22	19237 1451	77
	3	111	18	19237 1451	78
	3	121	17	19237 1451	79
	3	122	15	19237 1451	80
	3	123	13	19237 1451	81
	3	124	11	19237 1451	82
	3	125	10	19237 1451	83
	3	126	9	19237 1451	84
	3	153	21	19237 1451	85
	3	154	20	19237 1451	86
	3	155	18	19237 1451	87
	3	156	16	19237 1451	88
	3	157	14	19237 1451	89
	3	158	12	19237 1451	90
	3	159	11	19237 1451	91
	3	160	10	19237 1451	92
	3	161	8	19237 1451	93
	3	162	7	19237 1451	94
	3	174	17	19237 1451	95
	3	175	24	19237 1451	96
	3	176	21	19237 1451	97
	3	177	20	19237 1451	98
	3	178	18	19237 1451	99
	3	179	16	19237 1451	100
	3	180	14	19237 1451	101
	3	181	12	19237 1451	102
	3	182	11	19237 1451	103
	3	183	10	19237 1451	104
				9237 1 0	105
				9237 0 0	106
9.2237E+04 2.3700E+02	0	0	0	09237 3 16	107

-5.1200E+06	-5.1200E+06	0	0	1	609237	3	16	108
60	2				9237	3	16	109
5.1416E+06	0.0000E+00	6.0000E+06	8.6200E-01	7.0000E+06	1.4200E+00	9237	3	16
8.0000E+06	1.4600E+00	9.0000E+06	1.4300E+00	1.0000E+07	1.4200E+00	9237	3	16
1.1000E+07	1.4300E+00	1.2000E+07	1.3400E+00	1.3000E+07	1.0300E+00	9237	3	16
1.4000E+07	7.0400E-01	1.5000E+07	4.6600E-01	1.6000E+07	3.3000E-01	9237	3	16
1.7000E+07	2.5900E-01	1.8000E+07	2.0700E-01	1.9000E+07	1.8300E-01	9237	3	16
2.0000E+07	1.6600E-01	2.1000E+07	1.5200E-01	2.2000E+07	1.3900E-01	9237	3	16
2.3000E+07	1.3100E-01	2.4000E+07	1.2700E-01	2.5000E+07	1.2200E-01	9237	3	16
2.6000E+07	1.1700E-01	2.7000E+07	1.1300E-01	2.8000E+07	1.0900E-01	9237	3	16
2.9000E+07	1.0500E-01	3.0000E+07	1.0100E-01	3.1000E+07	9.8700E-02	9237	3	16
3.2000E+07	9.6400E-02	3.3000E+07	9.4400E-02	3.4000E+07	9.2400E-02	9237	3	16
3.5000E+07	9.1300E-02	3.6000E+07	8.9000E-02	3.7000E+07	8.6800E-02	9237	3	16
3.8000E+07	8.5200E-02	3.9000E+07	8.3700E-02	4.0000E+07	8.0933E-02	9237	3	16
4.2000E+07	7.5400E-02	4.4000E+07	7.2700E-02	4.6000E+07	7.0000E-02	9237	3	16
4.8000E+07	6.7700E-02	5.0000E+07	6.5600E-02	5.2000E+07	6.3600E-02	9237	3	16
5.4000E+07	6.2100E-02	5.6000E+07	6.0500E-02	5.8000E+07	5.8500E-02	9237	3	16
6.0000E+07	5.7700E-02	6.2000E+07	5.6400E-02	6.4000E+07	5.5000E-02	9237	3	16
6.6000E+07	5.3300E-02	6.8000E+07	5.2000E-02	7.0000E+07	5.1000E-02	9237	3	16
7.2000E+07	4.9400E-02	7.4000E+07	4.8500E-02	7.6000E+07	4.7300E-02	9237	3	16
7.8000E+07	4.6400E-02	8.0000E+07	4.5600E-02	8.5000E+07	4.3300E-02	9237	3	16
9.0000E+07	3.8500E-02	9.5000E+07	3.6600E-02	1.0000E+08	3.4600E-02	9237	3	16
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	09237	3	17	131
-1.1670E+07	-1.1670E+07	0	0	1	549237	3	17	132
54	2				9237	3	17	133
1.1719E+07	0.0000E+00	1.2000E+07	1.9300E-04	1.3000E+07	7.2600E-02	9237	3	17
1.4000E+07	3.0700E-01	1.5000E+07	5.4200E-01	1.6000E+07	6.8700E-01	9237	3	17
1.7000E+07	7.6800E-01	1.8000E+07	8.1900E-01	1.9000E+07	8.1400E-01	9237	3	17
2.0000E+07	7.2600E-01	2.1000E+07	5.8300E-01	2.2000E+07	4.4000E-01	9237	3	17
2.3000E+07	3.3800E-01	2.4000E+07	2.6900E-01	2.5000E+07	2.2000E-01	9237	3	17
2.6000E+07	1.8600E-01	2.7000E+07	1.6100E-01	2.8000E+07	1.4300E-01	9237	3	17
2.9000E+07	1.2900E-01	3.0000E+07	1.1700E-01	3.1000E+07	1.0700E-01	9237	3	17
3.2000E+07	9.9300E-02	3.3000E+07	9.3400E-02	3.4000E+07	8.7700E-02	9237	3	17
3.5000E+07	8.3000E-02	3.6000E+07	7.8800E-02	3.7000E+07	7.4900E-02	9237	3	17
3.8000E+07	7.1800E-02	3.9000E+07	6.9100E-02	4.0000E+07	6.7033E-02	9237	3	17
4.2000E+07	6.2900E-02	4.4000E+07	5.9400E-02	4.6000E+07	5.6000E-02	9237	3	17
4.8000E+07	5.3400E-02	5.0000E+07	5.1600E-02	5.2000E+07	4.9700E-02	9237	3	17
5.4000E+07	4.8100E-02	5.6000E+07	4.6700E-02	5.8000E+07	4.5400E-02	9237	3	17
6.0000E+07	4.4400E-02	6.2000E+07	4.3200E-02	6.4000E+07	4.1400E-02	9237	3	17
6.6000E+07	4.0100E-02	6.8000E+07	3.9000E-02	7.0000E+07	3.7900E-02	9237	3	17
7.2000E+07	3.6900E-02	7.4000E+07	3.6000E-02	7.6000E+07	3.5100E-02	9237	3	17
7.8000E+07	3.4200E-02	8.0000E+07	3.2700E-02	8.5000E+07	3.0800E-02	9237	3	17
9.0000E+07	2.9900E-02	9.5000E+07	2.8100E-02	1.0000E+08	2.6700E-02	9237	3	17
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	09237	3	18	153
1.8000E+08	1.8000E+08	0	0	1	709237	3	18	154
70	2				9237	3	18	155
1.0000E+05	5.5000E-01	1.4641E+05	5.7898E-01	2.1436E+05	6.0949E-01	9237	3	18
3.1384E+05	6.4161E-01	4.1772E+05	6.6680E-01	6.7275E+05	7.1101E-01	9237	3	18
1.0000E+06	7.5000E-01	1.4641E+06	7.0488E-01	2.0000E+06	6.7000E-01	9237	3	18
5.5000E+06	6.5000E-01	6.0000E+06	8.5000E-01	6.5000E+06	1.0900E+00	9237	3	18
7.0000E+06	1.2000E+00	8.0000E+06	1.3744E+00	9.0000E+06	1.3680E+00	9237	3	18
1.0000E+07	1.3441E+00	1.1000E+07	1.3289E+00	1.2000E+07	1.4006E+00	9237	3	18
1.3000E+07	1.6012E+00	1.4000E+07	1.6553E+00	1.5000E+07	1.6136E+00	9237	3	18
1.6000E+07	1.5715E+00	1.7000E+07	1.5443E+00	1.8000E+07	1.5405E+00	9237	3	18
1.9000E+07	1.5363E+00	2.0000E+07	1.5587E+00	2.1000E+07	1.6021E+00	9237	3	18
2.2000E+07	1.6531E+00	2.3000E+07	1.6794E+00	2.4000E+07	1.6963E+00	9237	3	18
2.5000E+07	1.7097E+00	2.6000E+07	1.7265E+00	2.7000E+07	1.7452E+00	9237	3	18
2.8000E+07	1.7654E+00	2.9000E+07	1.7826E+00	3.0000E+07	1.7951E+00	9237	3	18
3.1000E+07	1.8065E+00	3.2000E+07	1.8129E+00	3.3000E+07	1.8158E+00	9237	3	18
3.4000E+07	1.8177E+00	3.5000E+07	1.8179E+00	3.6000E+07	1.8170E+00	9237	3	18
3.7000E+07	1.8163E+00	3.8000E+07	1.8140E+00	3.9000E+07	1.8109E+00	9237	3	18
4.0000E+07	1.8074E+00	4.2000E+07	1.8056E+00	4.4000E+07	1.7933E+00	9237	3	18
4.6000E+07	1.7779E+00	4.8000E+07	1.7610E+00	5.0000E+07	1.7451E+00	9237	3	18
5.2000E+07	1.7286E+00	5.4000E+07	1.7107E+00	5.6000E+07	1.6939E+00	9237	3	18
5.8000E+07	1.6774E+00	6.0000E+07	1.6672E+00	6.2000E+07	1.6521E+00	9237	3	18

6.4000E+07	1.6385E+00	6.6000E+07	1.6239E+00	6.8000E+07	1.6091E+00	9237	3	18	175
7.0000E+07	1.5972E+00	7.2000E+07	1.5859E+00	7.4000E+07	1.5745E+00	9237	3	18	176
7.6000E+07	1.5630E+00	7.8000E+07	1.5524E+00	8.0000E+07	1.5426E+00	9237	3	18	177
8.5000E+07	1.5201E+00	9.0000E+07	1.5002E+00	9.5000E+07	1.4808E+00	9237	3	18	178
1.0000E+08	1.4634E+00					9237	3	18	179
						9237	3	0	180
9.2237E+04	2.3700E+02	0	0	0		09237	3	37	181
-1.6969E+07	-1.6969E+07	0	0	1		489237	3	37	182
	48	2				9237	3	37	183
1.7041E+07	0.0000E+00	1.8000E+07	6.2900E-04	1.9000E+07	2.0600E-02	9237	3	37	184
2.0000E+07	8.4100E-02	2.1000E+07	1.7100E-01	2.2000E+07	2.4600E-01	9237	3	37	185
2.3000E+07	3.0100E-01	2.4000E+07	3.3700E-01	2.5000E+07	3.6300E-01	9237	3	37	186
2.6000E+07	3.7500E-01	2.7000E+07	3.6500E-01	2.8000E+07	3.3600E-01	9237	3	37	187
2.9000E+07	2.9700E-01	3.0000E+07	2.5400E-01	3.1000E+07	2.1800E-01	9237	3	37	188
3.2000E+07	1.8500E-01	3.3000E+07	1.5900E-01	3.4000E+07	1.3800E-01	9237	3	37	189
3.5000E+07	1.2100E-01	3.6000E+07	1.0700E-01	3.7000E+07	9.5700E-02	9237	3	37	190
3.8000E+07	8.6800E-02	3.9000E+07	7.9300E-02	4.0000E+07	7.2333E-02	9237	3	37	191
4.2000E+07	5.8400E-02	4.4000E+07	5.1700E-02	4.6000E+07	4.6800E-02	9237	3	37	192
4.8000E+07	4.2700E-02	5.0000E+07	3.9800E-02	5.2000E+07	3.7400E-02	9237	3	37	193
5.4000E+07	3.5400E-02	5.6000E+07	3.3600E-02	5.8000E+07	3.2300E-02	9237	3	37	194
6.0000E+07	3.1100E-02	6.2000E+07	2.9900E-02	6.4000E+07	2.8800E-02	9237	3	37	195
6.6000E+07	2.7900E-02	6.8000E+07	2.7000E-02	7.0000E+07	2.6000E-02	9237	3	37	196
7.2000E+07	2.5300E-02	7.4000E+07	2.4500E-02	7.6000E+07	2.4100E-02	9237	3	37	197
7.8000E+07	2.3500E-02	8.0000E+07	2.3400E-02	8.5000E+07	2.2100E-02	9237	3	37	198
9.0000E+07	2.0900E-02	9.5000E+07	1.9800E-02	1.0000E+08	1.8900E-02	9237	3	0	200
9.2237E+04	2.3700E+02	0	0	0		09237	3	103	201
-1.4688E+06	-1.4688E+06	0	0	1		579237	3	103	202
	57	2				9237	3	103	203
1.4750E+06	0.0000E+00	9.0000E+06	4.3500E-05	1.0000E+07	1.8500E-04	9237	3	103	204
1.1000E+07	5.0900E-04	1.2000E+07	1.2000E-03	1.3000E+07	2.3500E-03	9237	3	103	205
1.4000E+07	3.5600E-03	1.5000E+07	6.0200E-03	1.6000E+07	9.3400E-03	9237	3	103	206
1.7000E+07	1.3400E-02	1.8000E+07	1.5800E-02	1.9000E+07	1.9900E-02	9237	3	103	207
2.0000E+07	2.3500E-02	2.1000E+07	2.3500E-02	2.2000E+07	2.6500E-02	9237	3	103	208
2.3000E+07	2.7500E-02	2.4000E+07	2.9900E-02	2.5000E+07	3.2300E-02	9237	3	103	209
2.6000E+07	3.4400E-02	2.7000E+07	3.5100E-02	2.8000E+07	3.6000E-02	9237	3	103	210
2.9000E+07	3.6300E-02	3.0000E+07	3.6600E-02	3.1000E+07	3.6900E-02	9237	3	103	211
3.2000E+07	3.6600E-02	3.3000E+07	3.7000E-02	3.4000E+07	3.7300E-02	9237	3	103	212
3.5000E+07	3.7300E-02	3.6000E+07	3.7100E-02	3.7000E+07	3.6700E-02	9237	3	103	213
3.8000E+07	3.6100E-02	3.9000E+07	3.5800E-02	4.0000E+07	3.5600E-02	9237	3	103	214
4.2000E+07	3.4800E-02	4.4000E+07	3.3900E-02	4.6000E+07	3.3100E-02	9237	3	103	215
4.8000E+07	3.2300E-02	5.0000E+07	3.1500E-02	5.2000E+07	3.0900E-02	9237	3	103	216
5.4000E+07	3.0100E-02	5.6000E+07	2.9200E-02	5.8000E+07	2.8400E-02	9237	3	103	217
6.0000E+07	2.7600E-02	6.2000E+07	2.6900E-02	6.4000E+07	2.6200E-02	9237	3	103	218
6.6000E+07	2.5500E-02	6.8000E+07	2.7400E-02	7.0000E+07	2.6700E-02	9237	3	103	219
7.2000E+07	2.5900E-02	7.4000E+07	2.5300E-02	7.6000E+07	2.4700E-02	9237	3	103	220
7.8000E+07	2.4100E-02	8.0000E+07	2.3500E-02	8.5000E+07	2.2100E-02	9237	3	103	221
9.0000E+07	2.0900E-02	9.5000E+07	1.9700E-02	1.0000E+08	1.8700E-02	9237	3	0	223
9.2237E+04	2.3700E+02	0	0	0		09237	3	111	224
-7.6064E+06	-7.6064E+06	0	0	1		459237	3	111	225
	45	2				9237	3	111	226
7.6385E+06	0.0000E+00	2.1000E+07	9.6900E-08	2.2000E+07	1.4200E-06	9237	3	111	227
2.3000E+07	6.4500E-06	2.4000E+07	2.0500E-05	2.5000E+07	5.0700E-05	9237	3	111	228
2.6000E+07	9.3300E-05	2.7000E+07	1.6700E-04	2.8000E+07	2.6700E-04	9237	3	111	229
2.9000E+07	3.9400E-04	3.0000E+07	5.4600E-04	3.1000E+07	6.7200E-04	9237	3	111	230
3.2000E+07	8.6900E-04	3.3000E+07	1.0900E-03	3.4000E+07	1.3200E-03	9237	3	111	231
3.5000E+07	1.5500E-03	3.6000E+07	1.8000E-03	3.7000E+07	1.9800E-03	9237	3	111	232
3.8000E+07	2.2600E-03	3.9000E+07	2.5600E-03	4.0000E+07	2.8700E-03	9237	3	111	233
4.2000E+07	3.4900E-03	4.4000E+07	3.9500E-03	4.6000E+07	4.4300E-03	9237	3	111	234
4.8000E+07	4.8000E-03	5.0000E+07	5.0300E-03	5.2000E+07	5.2400E-03	9237	3	111	235
5.4000E+07	5.3700E-03	5.6000E+07	5.5400E-03	5.8000E+07	5.6400E-03	9237	3	111	236
6.0000E+07	5.7400E-03	6.2000E+07	5.8000E-03	6.4000E+07	5.8500E-03	9237	3	111	237
6.6000E+07	5.9300E-03	6.8000E+07	5.9500E-03	7.0000E+07	5.9700E-03	9237	3	111	238
7.2000E+07	5.9700E-03	7.4000E+07	5.9300E-03	7.6000E+07	5.9600E-03	9237	3	111	239
7.8000E+07	5.9700E-03	8.0000E+07	5.9700E-03	8.5000E+07	6.0200E-03	9237	3	111	240
9.0000E+07	6.0600E-03	9.5000E+07	5.8900E-03	1.0000E+08	5.8800E-03	9237	3	111	241

						9237	3	0	242
9.2237E+04	2.3700E+02	0	0	0	0	09237	3121	243	
-2.3813E+07	-2.3813E+07	0	0	1	1	419237	3121	244	
41	2					9237	3121	245	
2.3913E+07	0.0000E+00	2.5000E+07	4.2900E-06	2.6000E+07	4.1100E-04	9237	3121	246	
2.7000E+07	3.6600E-03	2.8000E+07	1.2900E-02	2.9000E+07	2.8400E-02	9237	3121	247	
3.0000E+07	4.8000E-02	3.1000E+07	6.6500E-02	3.2000E+07	8.3200E-02	9237	3121	248	
3.3000E+07	9.6000E-02	3.4000E+07	1.0400E-01	3.5000E+07	1.0600E-01	9237	3121	249	
3.6000E+07	1.0200E-01	3.7000E+07	9.5200E-02	3.8000E+07	8.6300E-02	9237	3121	250	
3.9000E+07	7.7000E-02	4.0000E+07	6.9033E-02	4.2000E+07	5.3100E-02	9237	3121	251	
4.4000E+07	4.1900E-02	4.6000E+07	3.2800E-02	4.8000E+07	2.7300E-02	9237	3121	252	
5.0000E+07	2.3700E-02	5.2000E+07	2.0700E-02	5.4000E+07	1.8400E-02	9237	3121	253	
5.6000E+07	1.6700E-02	5.8000E+07	1.5300E-02	6.0000E+07	1.4400E-02	9237	3121	254	
6.2000E+07	1.3400E-02	6.4000E+07	1.2600E-02	6.6000E+07	1.1900E-02	9237	3121	255	
6.8000E+07	1.1300E-02	7.0000E+07	1.0700E-02	7.2000E+07	1.0300E-02	9237	3121	256	
7.4000E+07	9.8700E-03	7.6000E+07	9.4700E-03	7.8000E+07	9.1500E-03	9237	3121	257	
8.0000E+07	8.8400E-03	8.5000E+07	8.2400E-03	9.0000E+07	7.7100E-03	9237	3121	258	
9.5000E+07	7.2400E-03	1.0000E+08	6.8400E-03			9237	3121	259	
						9237	3	0	260
9.2237E+04	2.3700E+02	0	0	0	0	09237	3122	261	
-2.9567E+07	-2.9567E+07	0	0	1	1	359237	3122	262	
35	2					9237	3122	263	
2.9692E+07	0.0000E+00	3.1000E+07	7.1000E-08	3.2000E+07	1.1500E-05	9237	3122	264	
3.3000E+07	1.7000E-04	3.4000E+07	9.3500E-04	3.5000E+07	2.8800E-03	9237	3122	265	
3.6000E+07	6.1300E-03	3.7000E+07	1.0600E-02	3.8000E+07	1.5100E-02	9237	3122	266	
3.9000E+07	1.9700E-02	4.0000E+07	2.2833E-02	4.2000E+07	2.9100E-02	9237	3122	267	
4.4000E+07	2.9700E-02	4.6000E+07	2.7100E-02	4.8000E+07	2.2900E-02	9237	3122	268	
5.0000E+07	1.9100E-02	5.2000E+07	1.5700E-02	5.4000E+07	1.3000E-02	9237	3122	269	
5.6000E+07	1.1000E-02	5.8000E+07	9.4700E-03	6.0000E+07	8.5400E-03	9237	3122	270	
6.2000E+07	7.6100E-03	6.4000E+07	6.8600E-03	6.6000E+07	6.2900E-03	9237	3122	271	
6.8000E+07	5.8300E-03	7.0000E+07	5.4500E-03	7.2000E+07	5.1100E-03	9237	3122	272	
7.4000E+07	4.8300E-03	7.6000E+07	4.6000E-03	7.8000E+07	4.3600E-03	9237	3122	273	
8.0000E+07	4.1300E-03	8.5000E+07	3.7500E-03	9.0000E+07	3.4600E-03	9237	3122	274	
9.5000E+07	3.2200E-03	1.0000E+08	3.0100E-03			9237	3122	275	
						9237	3	0	276
9.2237E+04	2.3700E+02	0	0	0	0	09237	3123	277	
-3.6821E+07	-3.6821E+07	0	0	1	1	289237	3123	278	
28	2					9237	3123	279	
3.6977E+07	0.0000E+00	3.8000E+07	1.8300E-11	3.9000E+07	1.7500E-08	9237	3123	280	
4.0000E+07	2.6045E-05	4.2000E+07	7.8100E-05	4.4000E+07	5.3300E-04	9237	3123	281	
4.6000E+07	1.7400E-03	4.8000E+07	3.5700E-03	5.0000E+07	5.2200E-03	9237	3123	282	
5.2000E+07	6.3500E-03	5.4000E+07	6.6800E-03	5.6000E+07	6.3500E-03	9237	3123	283	
5.8000E+07	5.7300E-03	6.0000E+07	5.1600E-03	6.2000E+07	4.4500E-03	9237	3123	284	
6.4000E+07	3.7900E-03	6.6000E+07	3.2500E-03	6.8000E+07	2.8400E-03	9237	3123	285	
7.0000E+07	2.4600E-03	7.2000E+07	2.2000E-03	7.4000E+07	1.9600E-03	9237	3123	286	
7.6000E+07	1.7800E-03	7.8000E+07	1.6600E-03	8.0000E+07	1.5500E-03	9237	3123	287	
8.5000E+07	1.3500E-03	9.0000E+07	1.1900E-03	9.5000E+07	1.0800E-03	9237	3123	288	
1.0000E+08	9.7800E-04					9237	3123	289	
						9237	3	0	290
9.2237E+04	2.3700E+02	0	0	0	0	09237	3124	291	
-4.2720E+07	-4.2720E+07	0	0	1	1	239237	3124	292	
23	2					9237	3124	293	
4.2900E+07	0.0000E+00	4.6000E+07	1.6700E-08	4.8000E+07	1.4700E-06	9237	3124	294	
5.0000E+07	1.7200E-05	5.2000E+07	8.5900E-05	5.4000E+07	2.3300E-04	9237	3124	295	
5.6000E+07	4.2500E-04	5.8000E+07	6.1600E-04	6.0000E+07	7.3700E-04	9237	3124	296	
6.2000E+07	8.1700E-04	6.4000E+07	8.3300E-04	6.6000E+07	7.9500E-04	9237	3124	297	
6.8000E+07	7.3500E-04	7.0000E+07	6.2300E-04	7.2000E+07	5.4800E-04	9237	3124	298	
7.4000E+07	4.7900E-04	7.6000E+07	4.2200E-04	7.8000E+07	3.7600E-04	9237	3124	299	
8.0000E+07	3.3600E-04	8.5000E+07	2.6700E-04	9.0000E+07	2.2300E-04	9237	3124	300	
9.5000E+07	1.9500E-04	1.0000E+08	1.7700E-04			9237	3124	301	
						9237	3	0	302
9.2237E+04	2.3700E+02	0	0	0	0	09237	3125	303	
-5.0386E+07	-5.0386E+07	0	0	1	1	199237	3125	304	
19	2					9237	3125	305	
5.0598E+07	0.0000E+00	5.4000E+07	7.3700E-11	5.6000E+07	8.8300E-09	9237	3125	306	
5.8000E+07	1.5400E-07	6.0000E+07	7.3800E-07	6.2000E+07	2.7800E-06	9237	3125	307	
6.4000E+07	7.1900E-06	6.6000E+07	1.3600E-05	6.8000E+07	2.0200E-05	9237	3125	308	

7.0000E+07	2.7500E-05	7.2000E+07	3.1900E-05	7.4000E+07	3.4200E-05	9237	3125	309
7.6000E+07	3.4100E-05	7.8000E+07	3.2600E-05	8.0000E+07	3.0300E-05	9237	3125	310
8.5000E+07	2.3900E-05	9.0000E+07	1.8500E-05	9.5000E+07	1.4800E-05	9237	3125	311
1.0000E+08	1.2300E-05					9237	3125	312
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0		09237	3126	314
-5.6478E+07	-5.6478E+07	0	0	1		169237	3126	315
16	2					9237	3126	316
5.6716E+07	0.0000E+00	6.0000E+07	6.6700E-15	6.2000E+07	4.5700E-12	9237	3126	317
6.4000E+07	2.3700E-10	6.6000E+07	2.9100E-09	6.8000E+07	1.5400E-08	9237	3126	318
7.0000E+07	5.6300E-08	7.2000E+07	1.3600E-07	7.4000E+07	2.6300E-07	9237	3126	319
7.6000E+07	4.1000E-07	7.8000E+07	5.3400E-07	8.0000E+07	6.5100E-07	9237	3126	320
8.5000E+07	7.5900E-07	9.0000E+07	6.8800E-07	9.5000E+07	5.6900E-07	9237	3126	321
1.0000E+08	4.7000E-07					9237	3126	322
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0		09237	3153	324
-5.2159E+06	-5.2159E+06	0	0	1		549237	3153	325
54	2					9237	3153	326
5.2379E+06	0.0000E+00	1.2000E+07	6.5300E-14	1.3000E+07	2.2700E-12	9237	3153	327
1.4000E+07	1.6000E-11	1.5000E+07	1.0200E-03	1.6000E+07	1.9900E-03	9237	3153	328
1.7000E+07	3.2500E-03	1.8000E+07	3.9300E-03	1.9000E+07	5.8000E-03	9237	3153	329
2.0000E+07	8.1500E-03	2.1000E+07	8.1500E-03	2.2000E+07	1.1000E-02	9237	3153	330
2.3000E+07	1.3300E-02	2.4000E+07	1.7500E-02	2.5000E+07	2.2100E-02	9237	3153	331
2.6000E+07	2.7400E-02	2.7000E+07	3.0700E-02	2.8000E+07	3.5000E-02	9237	3153	332
2.9000E+07	3.9600E-02	3.0000E+07	4.3400E-02	3.1000E+07	4.6400E-02	9237	3153	333
3.2000E+07	4.7500E-02	3.3000E+07	5.0200E-02	3.4000E+07	5.1800E-02	9237	3153	334
3.5000E+07	5.2300E-02	3.6000E+07	5.2500E-02	3.7000E+07	5.2400E-02	9237	3153	335
3.8000E+07	5.1600E-02	3.9000E+07	5.2100E-02	4.0000E+07	5.2200E-02	9237	3153	336
4.2000E+07	4.8400E-02	4.4000E+07	4.7700E-02	4.6000E+07	4.7500E-02	9237	3153	337
4.8000E+07	4.7200E-02	5.0000E+07	4.7100E-02	5.2000E+07	4.7000E-02	9237	3153	338
5.4000E+07	4.6400E-02	5.6000E+07	4.5800E-02	5.8000E+07	4.5400E-02	9237	3153	339
6.0000E+07	4.5000E-02	6.2000E+07	4.4400E-02	6.4000E+07	4.3800E-02	9237	3153	340
6.6000E+07	4.3300E-02	6.8000E+07	4.3200E-02	7.0000E+07	4.2800E-02	9237	3153	341
7.2000E+07	4.2300E-02	7.4000E+07	4.1800E-02	7.6000E+07	4.1500E-02	9237	3153	342
7.8000E+07	4.1100E-02	8.0000E+07	4.0600E-02	8.5000E+07	3.9400E-02	9237	3153	343
9.0000E+07	3.8200E-02	9.5000E+07	3.7300E-02	1.0000E+08	3.6200E-02	9237	3	0
						9237	3154	345
9.2237E+04	2.3700E+02	0	0	0		09237	3154	346
-1.0068E+07	-1.0068E+07	0	0	1		499237	3154	347
49	2					9237	3154	348
1.0110E+07	0.0000E+00	1.7000E+07	1.3300E-11	1.8000E+07	2.8900E-10	9237	3154	349
1.9000E+07	1.3300E-09	2.0000E+07	3.6100E-07	2.1000E+07	3.6100E-07	9237	3154	350
2.2000E+07	6.0700E-06	2.3000E+07	4.1200E-05	2.4000E+07	1.6300E-04	9237	3154	351
2.5000E+07	4.8500E-04	2.6000E+07	1.1900E-03	2.7000E+07	2.4300E-03	9237	3154	352
2.8000E+07	4.3700E-03	2.9000E+07	7.2300E-03	3.0000E+07	1.0900E-02	9237	3154	353
3.1000E+07	1.5200E-02	3.2000E+07	1.9800E-02	3.3000E+07	2.5200E-02	9237	3154	354
3.4000E+07	3.1200E-02	3.5000E+07	3.7500E-02	3.6000E+07	4.3200E-02	9237	3154	355
3.7000E+07	4.8200E-02	3.8000E+07	5.2100E-02	3.9000E+07	5.5700E-02	9237	3154	356
4.0000E+07	5.9300E-02	4.2000E+07	6.9200E-02	4.4000E+07	7.1800E-02	9237	3154	357
4.6000E+07	7.3600E-02	4.8000E+07	7.3700E-02	5.0000E+07	7.1900E-02	9237	3154	358
5.2000E+07	6.9500E-02	5.4000E+07	6.7500E-02	5.6000E+07	6.5200E-02	9237	3154	359
5.8000E+07	6.3600E-02	6.0000E+07	6.2400E-02	6.2000E+07	6.1400E-02	9237	3154	360
6.4000E+07	6.0200E-02	6.6000E+07	5.9200E-02	6.8000E+07	5.8400E-02	9237	3154	361
7.0000E+07	5.7400E-02	7.2000E+07	5.6800E-02	7.4000E+07	5.6000E-02	9237	3154	362
7.6000E+07	5.5000E-02	7.8000E+07	5.4200E-02	8.0000E+07	5.3600E-02	9237	3154	363
8.5000E+07	5.2200E-02	9.0000E+07	5.0400E-02	9.5000E+07	4.8800E-02	9237	3154	364
1.0000E+08	4.7600E-02					9237	3154	365
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0		09237	3155	367
-1.6168E+07	-1.6168E+07	0	0	1		439237	3155	368
43	2					9237	3155	369
1.6236E+07	0.0000E+00	2.3000E+07	1.9300E-12	2.4000E+07	4.5800E-10	9237	3155	370
2.5000E+07	3.6600E-09	2.6000E+07	4.7100E-08	2.7000E+07	1.4200E-06	9237	3155	371
2.8000E+07	1.1900E-05	2.9000E+07	5.3700E-05	3.0000E+07	1.8700E-04	9237	3155	372
3.1000E+07	5.1400E-04	3.2000E+07	1.1500E-03	3.3000E+07	2.2900E-03	9237	3155	373
3.4000E+07	4.0000E-03	3.5000E+07	6.3400E-03	3.6000E+07	9.3200E-03	9237	3155	374
3.7000E+07	1.2800E-02	3.8000E+07	1.6500E-02	3.9000E+07	2.0400E-02	9237	3155	375

4.0000E+07	2.3667E-02	4.2000E+07	3.0200E-02	4.4000E+07	3.6100E-02	9237	3155	376
4.6000E+07	4.1100E-02	4.8000E+07	4.5400E-02	5.0000E+07	4.9700E-02	9237	3155	377
5.2000E+07	5.4000E-02	5.4000E+07	5.7000E-02	5.6000E+07	5.9000E-02	9237	3155	378
5.8000E+07	6.0000E-02	6.0000E+07	6.0000E-02	6.2000E+07	5.8900E-02	9237	3155	379
6.4000E+07	5.6500E-02	6.6000E+07	5.4500E-02	6.8000E+07	5.2400E-02	9237	3155	380
7.0000E+07	5.0600E-02	7.2000E+07	4.8800E-02	7.4000E+07	4.7300E-02	9237	3155	381
7.6000E+07	4.5400E-02	7.8000E+07	4.4500E-02	8.0000E+07	4.3900E-02	9237	3155	382
8.5000E+07	4.2200E-02	9.0000E+07	4.0300E-02	9.5000E+07	3.8800E-02	9237	3155	383
1.0000E+08	3.7600E-02					9237	3155	384
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	0	09237	3156	386
-2.1378E+07	-2.1378E+07	0	0	1		379237	3156	387
	37	2				9237	3156	388
2.1468E+07	0.0000E+00	2.9000E+07	2.1500E-11	3.0000E+07	8.9900E-10	9237	3156	389
3.1000E+07	7.2800E-09	3.2000E+07	6.5200E-08	3.3000E+07	9.3400E-07	9237	3156	390
3.4000E+07	6.8700E-06	3.5000E+07	3.3400E-05	3.6000E+07	1.2400E-04	9237	3156	391
3.7000E+07	3.5000E-04	3.8000E+07	8.2800E-04	3.9000E+07	1.6600E-03	9237	3156	392
4.0000E+07	3.4800E-03	4.2000E+07	7.1200E-03	4.4000E+07	1.3100E-02	9237	3156	393
4.6000E+07	1.9800E-02	4.8000E+07	2.6900E-02	5.0000E+07	3.3300E-02	9237	3156	394
5.2000E+07	3.8700E-02	5.4000E+07	4.2400E-02	5.6000E+07	4.5500E-02	9237	3156	395
5.8000E+07	4.8200E-02	6.0000E+07	5.1100E-02	6.2000E+07	5.3600E-02	9237	3156	396
6.4000E+07	5.6200E-02	6.6000E+07	5.7900E-02	6.8000E+07	5.9600E-02	9237	3156	397
7.0000E+07	6.0600E-02	7.2000E+07	6.1500E-02	7.4000E+07	6.1100E-02	9237	3156	398
7.6000E+07	6.0600E-02	7.8000E+07	5.9400E-02	8.0000E+07	5.7800E-02	9237	3156	399
8.5000E+07	5.2000E-02	9.0000E+07	4.8500E-02	9.5000E+07	4.5600E-02	9237	3156	400
1.0000E+08	4.3100E-02					9237	3156	401
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	0	09237	3157	403
-2.7897E+07	-2.7897E+07	0	0	1		319237	3157	404
	31	2				9237	3157	405
2.8014E+07	0.0000E+00	3.5000E+07	1.6800E-14	3.6000E+07	1.7500E-11	9237	3157	406
3.7000E+07	4.6300E-10	3.8000E+07	4.3700E-09	3.9000E+07	3.4400E-08	9237	3157	407
4.0000E+07	3.7896E-06	4.2000E+07	1.1300E-05	4.4000E+07	1.2200E-04	9237	3157	408
4.6000E+07	5.8100E-04	4.8000E+07	1.8800E-03	5.0000E+07	4.1100E-03	9237	3157	409
5.2000E+07	8.0300E-03	5.4000E+07	1.2600E-02	5.6000E+07	1.7000E-02	9237	3157	410
5.8000E+07	2.0800E-02	6.0000E+07	2.3700E-02	6.2000E+07	2.5900E-02	9237	3157	411
6.4000E+07	2.7700E-02	6.6000E+07	2.9000E-02	6.8000E+07	3.0300E-02	9237	3157	412
7.0000E+07	3.1400E-02	7.2000E+07	3.2400E-02	7.4000E+07	3.3300E-02	9237	3157	413
7.6000E+07	3.4200E-02	7.8000E+07	3.5200E-02	8.0000E+07	3.6100E-02	9237	3157	414
8.5000E+07	3.7900E-02	9.0000E+07	3.8000E-02	9.5000E+07	3.6000E-02	9237	3157	415
1.0000E+08	3.3200E-02					9237	3157	416
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	0	09237	3158	418
-3.3457E+07	-3.3457E+07	0	0	1		259237	3158	419
	25	2				9237	3158	420
3.3599E+07	0.0000E+00	4.2000E+07	6.8300E-12	4.4000E+07	1.6600E-09	9237	3158	421
4.6000E+07	7.5600E-08	4.8000E+07	1.8700E-06	5.0000E+07	1.8000E-05	9237	3158	422
5.2000E+07	1.3700E-04	5.4000E+07	5.7000E-04	5.6000E+07	1.5700E-03	9237	3158	423
5.8000E+07	3.2600E-03	6.0000E+07	5.5700E-03	6.2000E+07	8.3200E-03	9237	3158	424
6.4000E+07	1.1000E-02	6.6000E+07	1.3200E-02	6.8000E+07	1.4600E-02	9237	3158	425
7.0000E+07	1.6100E-02	7.2000E+07	1.7300E-02	7.4000E+07	1.8200E-02	9237	3158	426
7.6000E+07	1.8900E-02	7.8000E+07	1.9500E-02	8.0000E+07	1.9900E-02	9237	3158	427
8.5000E+07	2.1100E-02	9.0000E+07	2.1900E-02	9.5000E+07	2.3100E-02	9237	3158	428
1.0000E+08	2.4400E-02					9237	3158	429
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	0	09237	3159	431
-4.0272E+07	-4.0272E+07	0	0	1		229237	3159	432
	22	2				9237	3159	433
4.0441E+07	0.0000E+00	4.8000E+07	1.3500E-14	5.0000E+07	2.7900E-11	9237	3159	434
5.2000E+07	2.1800E-09	5.4000E+07	7.0700E-08	5.6000E+07	1.2300E-06	9237	3159	435
5.8000E+07	1.2100E-05	6.0000E+07	6.9300E-05	6.2000E+07	2.8200E-04	9237	3159	436
6.4000E+07	7.8900E-04	6.6000E+07	1.7600E-03	6.8000E+07	2.6500E-03	9237	3159	437
7.0000E+07	4.2300E-03	7.2000E+07	5.8500E-03	7.4000E+07	7.5500E-03	9237	3159	438
7.6000E+07	8.8800E-03	7.8000E+07	9.9900E-03	8.0000E+07	1.0800E-02	9237	3159	439
8.5000E+07	1.2000E-02	9.0000E+07	1.2700E-02	9.5000E+07	1.3400E-02	9237	3159	440
1.0000E+08	1.4000E-02					9237	3159	441
						9237	3	0
								442

9.2237E+04	2.3700E+02	0	0	0	09237	3160	443		
-4.6065E+07	-4.6065E+07	0	0	1	199237	3160	444		
19	2				9237	3160	445		
4.6259E+07	0.0000E+00	5.4000E+07	1.1200E-15	5.6000E+07	2.7300E-12	9237	3160	446	
5.8000E+07	2.5700E-10	6.0000E+07	6.7400E-09	6.2000E+07	1.4700E-07	9237	3160	447	
6.4000E+07	1.7100E-06	6.6000E+07	1.2700E-05	6.8000E+07	3.7000E-05	9237	3160	448	
7.0000E+07	1.2800E-04	7.2000E+07	3.3100E-04	7.4000E+07	7.3900E-04	9237	3160	449	
7.6000E+07	1.3500E-03	7.8000E+07	2.1500E-03	8.0000E+07	3.1200E-03	9237	3160	450	
8.5000E+07	5.4900E-03	9.0000E+07	6.9500E-03	9.5000E+07	7.6200E-03	9237	3160	451	
1.0000E+08	7.7800E-03				9237	3160	452		
					9237	3	0	453	
9.2237E+04	2.3700E+02	0	0	0	09237	3161	454		
-5.3119E+07	-5.3119E+07	0	0	1	159237	3161	455		
15	2				9237	3161	456		
5.3344E+07	0.0000E+00	6.2000E+07	5.6300E-16	6.4000E+07	7.0800E-13	9237	3161	457	
6.6000E+07	7.6900E-11	6.8000E+07	1.8100E-09	7.0000E+07	2.6500E-08	9237	3161	458	
7.2000E+07	2.4300E-07	7.4000E+07	1.6300E-06	7.6000E+07	8.2800E-06	9237	3161	459	
7.8000E+07	3.1000E-05	8.0000E+07	9.2900E-05	8.5000E+07	6.0700E-04	9237	3161	460	
9.0000E+07	1.6200E-03	9.5000E+07	2.6900E-03	1.0000E+08	3.3900E-03	9237	3	0	462
9.2237E+04	2.3700E+02	0	0	0	09237	3162	463		
-5.9153E+07	-5.9153E+07	0	0	1	129237	3162	464		
12	2				9237	3162	465		
5.9403E+07	0.0000E+00	6.8000E+07	2.8700E-18	7.0000E+07	1.1400E-14	9237	3162	466	
7.2000E+07	1.3000E-12	7.4000E+07	3.8100E-11	7.6000E+07	7.9600E-10	9237	3162	467	
7.8000E+07	9.5000E-09	8.0000E+07	8.2700E-08	8.5000E+07	4.9000E-06	9237	3162	468	
9.0000E+07	5.6300E-05	9.5000E+07	2.4700E-04	1.0000E+08	5.9400E-04	9237	3	0	470
9.2237E+04	2.3700E+02	0	0	0	09237	3174	471		
-1.1617E+07	-1.1617E+07	0	0	1	419237	3174	472		
41	2				9237	3174	473		
1.1666E+07	0.0000E+00	2.5000E+07	2.7500E-20	2.6000E+07	1.5500E-18	9237	3174	474	
2.7000E+07	1.5800E-15	2.8000E+07	9.5800E-14	2.9000E+07	8.5900E-13	9237	3174	475	
3.0000E+07	4.7300E-12	3.1000E+07	1.8800E-11	3.2000E+07	6.2000E-11	9237	3174	476	
3.3000E+07	1.0900E-09	3.4000E+07	2.4400E-08	3.5000E+07	9.5600E-08	9237	3174	477	
3.6000E+07	2.8000E-07	3.7000E+07	6.9900E-07	3.8000E+07	1.5600E-06	9237	3174	478	
3.9000E+07	3.0200E-06	4.0000E+07	1.4747E-05	4.2000E+07	3.8200E-05	9237	3174	479	
4.4000E+07	1.2000E-04	4.6000E+07	3.1400E-04	4.8000E+07	6.4300E-04	9237	3174	480	
5.0000E+07	1.0600E-03	5.2000E+07	1.5500E-03	5.4000E+07	2.0800E-03	9237	3174	481	
5.6000E+07	2.4400E-03	5.8000E+07	2.8600E-03	6.0000E+07	3.1300E-03	9237	3174	482	
6.2000E+07	3.3400E-03	6.4000E+07	3.4700E-03	6.6000E+07	3.5400E-03	9237	3174	483	
6.8000E+07	3.5800E-03	7.0000E+07	3.6100E-03	7.2000E+07	3.6700E-03	9237	3174	484	
7.4000E+07	3.7100E-03	7.6000E+07	3.6800E-03	7.8000E+07	3.6000E-03	9237	3174	485	
8.0000E+07	3.6000E-03	8.5000E+07	3.5800E-03	9.0000E+07	3.5600E-03	9237	3174	486	
9.5000E+07	3.6600E-03	1.0000E+08	3.6300E-03		9237	3174	487		
					9237	3	0	488	
9.2237E+04	2.3700E+02	0	0	0	09237	3175	489		
1.0423E+07	1.0423E+07	0	0	1	619237	3175	490		
61	2				9237	3175	491		
1.0000E-05	0.0000E+00	5.0000E+06	1.2000E-09	6.0000E+06	3.5100E-08	9237	3175	492	
7.0000E+06	2.1600E-07	8.0000E+06	9.3100E-07	9.0000E+06	3.3500E-06	9237	3175	493	
1.0000E+07	1.0700E-05	1.1000E+07	3.1000E-05	1.2000E+07	7.9400E-05	9237	3175	494	
1.3000E+07	1.7700E-04	1.4000E+07	3.4400E-04	1.5000E+07	5.9200E-04	9237	3175	495	
1.6000E+07	9.1800E-04	1.7000E+07	1.3000E-03	1.8000E+07	1.6900E-03	9237	3175	496	
1.9000E+07	2.0300E-03	2.0000E+07	2.2700E-03	2.1000E+07	2.2700E-03	9237	3175	497	
2.2000E+07	2.4100E-03	2.3000E+07	2.4700E-03	2.4000E+07	2.4800E-03	9237	3175	498	
2.5000E+07	2.4600E-03	2.6000E+07	2.4000E-03	2.7000E+07	2.3200E-03	9237	3175	499	
2.8000E+07	2.2300E-03	2.9000E+07	2.1000E-03	3.0000E+07	1.9700E-03	9237	3175	500	
3.1000E+07	1.8400E-03	3.2000E+07	1.8100E-03	3.3000E+07	1.6900E-03	9237	3175	501	
3.4000E+07	1.5700E-03	3.5000E+07	1.4600E-03	3.6000E+07	1.3500E-03	9237	3175	502	
3.7000E+07	1.2600E-03	3.8000E+07	1.1700E-03	3.9000E+07	1.0700E-03	9237	3175	503	
4.0000E+07	9.8900E-04	4.2000E+07	6.9900E-04	4.4000E+07	6.7700E-04	9237	3175	504	
4.6000E+07	5.7400E-04	4.8000E+07	4.9700E-04	5.0000E+07	4.3400E-04	9237	3175	505	
5.2000E+07	3.9300E-04	5.4000E+07	4.0200E-04	5.6000E+07	5.0100E-04	9237	3175	506	
5.8000E+07	7.1000E-04	6.0000E+07	1.0300E-03	6.2000E+07	1.4600E-03	9237	3175	507	
6.4000E+07	1.9100E-03	6.6000E+07	2.3900E-03	6.8000E+07	2.8800E-03	9237	3175	508	
7.0000E+07	3.3200E-03	7.2000E+07	3.7300E-03	7.4000E+07	4.1000E-03	9237	3175	509	

7.6000E+07	4.3600E-03	7.8000E+07	4.5900E-03	8.0000E+07	4.7000E-03	9237	3175	510
8.5000E+07	4.6100E-03	9.0000E+07	4.5900E-03	9.5000E+07	4.5900E-03	9237	3175	511
1.0000E+08	4.5200E-03					9237	3175	512
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	0	09237	3176	514
4.2315E+06	4.2315E+06	0	0	1	1	549237	3176	515
54	2					9237	3176	516
1.0000E-05	0.0000E+00	1.2000E+07	1.0800E-07	1.3000E+07	6.6200E-07	9237	3176	517
1.4000E+07	2.6100E-06	1.5000E+07	8.9800E-06	1.6000E+07	2.8100E-05	9237	3176	518
1.7000E+07	8.2600E-05	1.8000E+07	2.1100E-04	1.9000E+07	4.5900E-04	9237	3176	519
2.0000E+07	8.7200E-04	2.1000E+07	8.7200E-04	2.2000E+07	1.4400E-03	9237	3176	520
2.3000E+07	2.1100E-03	2.4000E+07	2.8200E-03	2.5000E+07	3.5000E-03	9237	3176	521
2.6000E+07	4.0700E-03	2.7000E+07	4.4800E-03	2.8000E+07	4.7300E-03	9237	3176	522
2.9000E+07	4.7900E-03	3.0000E+07	4.7900E-03	3.1000E+07	4.6900E-03	9237	3176	523
3.2000E+07	4.6300E-03	3.3000E+07	4.4400E-03	3.4000E+07	4.2200E-03	9237	3176	524
3.5000E+07	3.9800E-03	3.6000E+07	3.7100E-03	3.7000E+07	3.4600E-03	9237	3176	525
3.8000E+07	3.2300E-03	3.9000E+07	2.9900E-03	4.0000E+07	2.7800E-03	9237	3176	526
4.2000E+07	2.2200E-03	4.4000E+07	2.0300E-03	4.6000E+07	1.7000E-03	9237	3176	527
4.8000E+07	1.4100E-03	5.0000E+07	1.1700E-03	5.2000E+07	9.9200E-04	9237	3176	528
5.4000E+07	8.4600E-04	5.6000E+07	7.1800E-04	5.8000E+07	6.0100E-04	9237	3176	529
6.0000E+07	4.9700E-04	6.2000E+07	4.1000E-04	6.4000E+07	3.5200E-04	9237	3176	530
6.6000E+07	3.4200E-04	6.8000E+07	4.0200E-04	7.0000E+07	5.3600E-04	9237	3176	531
7.2000E+07	7.4200E-04	7.4000E+07	1.0200E-03	7.6000E+07	1.3600E-03	9237	3176	532
7.8000E+07	1.7100E-03	8.0000E+07	2.0900E-03	8.5000E+07	3.0300E-03	9237	3176	533
9.0000E+07	3.4600E-03	9.5000E+07	3.6300E-03	1.0000E+08	3.6800E-03	9237	3176	534
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	0	09237	3177	536
-5.5513E+05	-5.5513E+05	0	0	1	1	509237	3177	537
50	2					9237	3177	538
5.5747E+05	0.0000E+00	1.6000E+07	2.7700E-12	1.7000E+07	9.2600E-08	9237	3177	539
1.8000E+07	7.1400E-07	1.9000E+07	2.7300E-06	2.0000E+07	9.2900E-06	9237	3177	540
2.1000E+07	9.2900E-06	2.2000E+07	2.8500E-05	2.3000E+07	8.0500E-05	9237	3177	541
2.4000E+07	2.0700E-04	2.5000E+07	4.8100E-04	2.6000E+07	9.5200E-04	9237	3177	542
2.7000E+07	1.6300E-03	2.8000E+07	2.5100E-03	2.9000E+07	3.5900E-03	9237	3177	543
3.0000E+07	4.5800E-03	3.1000E+07	5.6900E-03	3.2000E+07	6.6100E-03	9237	3177	544
3.3000E+07	7.5400E-03	3.4000E+07	8.3000E-03	3.5000E+07	8.8000E-03	9237	3177	545
3.6000E+07	9.0700E-03	3.7000E+07	9.1700E-03	3.8000E+07	9.0800E-03	9237	3177	546
3.9000E+07	8.8500E-03	4.0000E+07	8.5300E-03	4.2000E+07	6.8800E-03	9237	3177	547
4.4000E+07	6.3600E-03	4.6000E+07	5.4700E-03	4.8000E+07	4.7000E-03	9237	3177	548
5.0000E+07	4.0200E-03	5.2000E+07	3.4200E-03	5.4000E+07	2.8600E-03	9237	3177	549
5.6000E+07	2.3200E-03	5.8000E+07	1.9400E-03	6.0000E+07	1.6500E-03	9237	3177	550
6.2000E+07	1.4000E-03	6.4000E+07	1.1600E-03	6.6000E+07	9.6200E-04	9237	3177	551
6.8000E+07	7.9100E-04	7.0000E+07	6.4100E-04	7.2000E+07	5.1300E-04	9237	3177	552
7.4000E+07	4.2400E-04	7.6000E+07	4.0100E-04	7.8000E+07	4.6200E-04	9237	3177	553
8.0000E+07	5.9100E-04	8.5000E+07	1.2300E-03	9.0000E+07	2.1400E-03	9237	3177	554
9.5000E+07	3.0300E-03	1.0000E+08	3.8600E-03			9237	3177	555
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	0	09237	3178	557
-6.9918E+06	-6.9918E+06	0	0	1	1	439237	3178	558
43	2					9237	3178	559
7.0213E+06	0.0000E+00	2.3000E+07	6.8900E-10	2.4000E+07	4.3900E-08	9237	3178	560
2.5000E+07	3.5700E-07	2.6000E+07	1.5000E-06	2.7000E+07	5.1300E-06	9237	3178	561
2.8000E+07	1.5700E-05	2.9000E+07	4.2300E-05	3.0000E+07	1.0800E-04	9237	3178	562
3.1000E+07	2.2800E-04	3.2000E+07	4.8900E-04	3.3000E+07	9.2100E-04	9237	3178	563
3.4000E+07	1.5500E-03	3.5000E+07	2.4000E-03	3.6000E+07	3.3300E-03	9237	3178	564
3.7000E+07	4.2700E-03	3.8000E+07	5.2400E-03	3.9000E+07	6.0900E-03	9237	3178	565
4.0000E+07	6.6800E-03	4.2000E+07	7.8600E-03	4.4000E+07	8.0200E-03	9237	3178	566
4.6000E+07	7.6700E-03	4.8000E+07	7.0200E-03	5.0000E+07	6.2200E-03	9237	3178	567
5.2000E+07	5.4000E-03	5.4000E+07	4.6600E-03	5.6000E+07	4.1100E-03	9237	3178	568
5.8000E+07	3.5000E-03	6.0000E+07	2.9600E-03	6.2000E+07	2.4800E-03	9237	3178	569
6.4000E+07	2.0600E-03	6.6000E+07	1.7400E-03	6.8000E+07	1.4900E-03	9237	3178	570
7.0000E+07	1.2400E-03	7.2000E+07	1.0400E-03	7.4000E+07	8.5900E-04	9237	3178	571
7.6000E+07	6.9600E-04	7.8000E+07	5.4700E-04	8.0000E+07	4.1900E-04	9237	3178	572
8.5000E+07	1.9500E-04	9.0000E+07	3.0100E-04	9.5000E+07	6.2700E-04	9237	3178	573
1.0000E+08	1.1300E-03					9237	3178	574
						9237	3	0
9.2237E+04	2.3700E+02	0	0	0	0	09237	3179	576

-1.2113E+07	-1.2113E+07	0	0	1	389237	3179	577
38	2				9237	3179	578
1.2164E+07	0.0000E+00	2.8000E+07	7.3600E-12	2.9000E+07	3.3600E-09	9237	579
3.0000E+07	6.0900E-08	3.1000E+07	3.4200E-07	3.2000E+07	1.3500E-06	9237	580
3.3000E+07	4.3700E-06	3.4000E+07	1.2800E-05	3.5000E+07	3.6700E-05	9237	581
3.6000E+07	9.4300E-05	3.7000E+07	2.1100E-04	3.8000E+07	4.3100E-04	9237	582
3.9000E+07	8.1200E-04	4.0000E+07	1.5580E-03	4.2000E+07	3.0500E-03	9237	583
4.4000E+07	4.6300E-03	4.6000E+07	6.8100E-03	4.8000E+07	8.5500E-03	9237	584
5.0000E+07	9.6100E-03	5.2000E+07	9.8800E-03	5.4000E+07	9.5200E-03	9237	585
5.6000E+07	8.8400E-03	5.8000E+07	7.9700E-03	6.0000E+07	7.0700E-03	9237	586
6.2000E+07	6.1400E-03	6.4000E+07	5.3000E-03	6.6000E+07	4.5100E-03	9237	587
6.8000E+07	3.8300E-03	7.0000E+07	3.2600E-03	7.2000E+07	2.7500E-03	9237	588
7.4000E+07	2.3300E-03	7.6000E+07	1.9800E-03	7.8000E+07	1.6700E-03	9237	589
8.0000E+07	1.4200E-03	8.5000E+07	8.5500E-04	9.0000E+07	4.2900E-04	9237	590
9.5000E+07	1.9900E-04	1.0000E+08	2.5500E-04			9237	591
						9237	592
9.2237E+04	2.3700E+02	0	0	0	09237	3180	593
-1.8904E+07	-1.8904E+07	0	0	1	319237	3180	594
31	2				9237	3180	595
1.8984E+07	0.0000E+00	3.5000E+07	8.4400E-14	3.6000E+07	1.0200E-10	9237	596
3.7000E+07	3.4600E-09	3.8000E+07	3.3100E-08	3.9000E+07	1.7500E-07	9237	597
4.0000E+07	3.6167E-06	4.2000E+07	1.0500E-05	4.4000E+07	4.6100E-05	9237	598
4.6000E+07	2.3000E-04	4.8000E+07	7.7600E-04	5.0000E+07	1.8400E-03	9237	599
5.2000E+07	3.3300E-03	5.4000E+07	4.9100E-03	5.6000E+07	6.1200E-03	9237	600
5.8000E+07	6.9200E-03	6.0000E+07	7.2200E-03	6.2000E+07	7.0700E-03	9237	601
6.4000E+07	6.6100E-03	6.6000E+07	5.9700E-03	6.8000E+07	5.3100E-03	9237	602
7.0000E+07	4.6500E-03	7.2000E+07	4.0100E-03	7.4000E+07	3.4500E-03	9237	603
7.6000E+07	2.9400E-03	7.8000E+07	2.4800E-03	8.0000E+07	2.1100E-03	9237	604
8.5000E+07	1.3900E-03	9.0000E+07	9.1900E-04	9.5000E+07	5.1400E-04	9237	605
1.0000E+08	2.2700E-04					9237	606
						9237	607
9.2237E+04	2.3700E+02	0	0	0	09237	3181	608
-2.4153E+07	-2.4153E+07	0	0	1	259237	3181	609
25	2				9237	3181	610
2.4255E+07	0.0000E+00	4.2000E+07	3.1700E-10	4.4000E+07	2.2000E-08	9237	611
4.6000E+07	4.5400E-07	4.8000E+07	3.8200E-06	5.0000E+07	2.5300E-05	9237	612
5.2000E+07	1.3500E-04	5.4000E+07	4.4700E-04	5.6000E+07	1.0500E-03	9237	613
5.8000E+07	2.0600E-03	6.0000E+07	3.3100E-03	6.2000E+07	4.6800E-03	9237	614
6.4000E+07	5.9000E-03	6.6000E+07	6.7500E-03	6.8000E+07	7.1800E-03	9237	615
7.0000E+07	7.1900E-03	7.2000E+07	6.9100E-03	7.4000E+07	6.4300E-03	9237	616
7.6000E+07	5.7900E-03	7.8000E+07	5.1700E-03	8.0000E+07	4.5700E-03	9237	617
8.5000E+07	3.1600E-03	9.0000E+07	2.1200E-03	9.5000E+07	1.4600E-03	9237	618
1.0000E+08	9.3600E-04					9237	619
						9237	620
9.2237E+04	2.3700E+02	0	0	0	09237	3182	621
-3.1273E+07	-3.1273E+07	0	0	1	229237	3182	622
22	2				9237	3182	623
3.1405E+07	0.0000E+00	4.8000E+07	3.6200E-14	5.0000E+07	9.3400E-11	9237	624
5.2000E+07	7.3200E-09	5.4000E+07	1.0000E-07	5.6000E+07	8.3400E-07	9237	625
5.8000E+07	5.9800E-06	6.0000E+07	2.7500E-05	6.2000E+07	1.0700E-04	9237	626
6.4000E+07	3.0900E-04	6.6000E+07	6.9000E-04	6.8000E+07	1.2200E-03	9237	627
7.0000E+07	1.8400E-03	7.2000E+07	2.4800E-03	7.4000E+07	2.9900E-03	9237	628
7.6000E+07	3.3300E-03	7.8000E+07	3.4500E-03	8.0000E+07	3.4200E-03	9237	629
8.5000E+07	2.8700E-03	9.0000E+07	2.1600E-03	9.5000E+07	1.5100E-03	9237	630
1.0000E+08	1.0100E-03					9237	631
						9237	632
9.2237E+04	2.3700E+02	0	0	0	09237	3183	633
-3.6727E+07	-3.6727E+07	0	0	1	199237	3183	634
19	2				9237	3183	635
3.6882E+07	0.0000E+00	5.4000E+07	1.0600E-14	5.6000E+07	1.8300E-11	9237	636
5.8000E+07	1.4400E-09	6.0000E+07	1.8700E-08	6.2000E+07	2.1400E-07	9237	637
6.4000E+07	1.7500E-06	6.6000E+07	1.0300E-05	6.8000E+07	4.1500E-05	9237	638
7.0000E+07	1.2800E-04	7.2000E+07	3.2000E-04	7.4000E+07	6.4800E-04	9237	639
7.6000E+07	1.1400E-03	7.8000E+07	1.6900E-03	8.0000E+07	2.2600E-03	9237	640
8.5000E+07	3.4900E-03	9.0000E+07	3.7900E-03	9.5000E+07	3.3600E-03	9237	641
1.0000E+08	2.6200E-03					9237	642
						9237	643

						9237 0 0	644
						0 0 0	645
						-1 0 0	0
						0 0 0	0
U-238	WIND						
9.2238E+04	2.3800E+02	-1	0	99		19238 1451	1
0.0000E+00	0.0000E+00	0	0	0		69238 1451	2
1.0000E+00	0.0000E+00	0	0	10		29238 1451	3
0.0000E+00	0.0000E+00	0	0	67		339238 1451	4
92-	U-238 INPE	EVAL-SEP94 YU.A.KOROVIN ET.AL.				9238 1451	5
		DIST-OCT94				9238 1451	6
----	WIND	MATERIAL 9238				9238 1451	7
-----	INCIDENT-NEUTRON DATA					9238 1451	8
-----	ENDF-6 FORMAT					9238 1451	9
AUTHORS OF EVALUATION: A.YU.KONOBREYEV, YU.A.KOROVIN,						9238 1451	10
P.E.PERESLAVTSEV, V.I.PLYASKIN						9238 1451	11
						9238 1451	12
FILE OF ACTINIDE DATA LIBRARY WIND						9238 1451	13
ENERGY OF PROJECTILE: 0-100 MEV						9238 1451	14
REFERENCE: KERNTTECHNIK, 1994, V.59, P.87						9238 1451	15
						9238 1451	16
CONTENT OF FILE:						9238 1451	17
						9238 1451	18
MF = 1	GENERAL INFORMATION					9238 1451	19
						9238 1451	20
MT = 451	COMMENTS AND DICTIONARY					9238 1451	21
						9238 1451	22
MF = 3	NEUTRON CROSS-SECTIONS					9238 1451	23
						9238 1451	24
(N,2N)	REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM BROND-2					9238 1451	25
(N,3N)	REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM BROND-2					9238 1451	26
(N,F)	REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM BROND-2					9238 1451	27
THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR						9238 1451	28
SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA						9238 1451	29
AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION						9238 1451	30
IS AVAILABLE FROM THE AUTHORS AFTER REQUEST						9238 1451	31
						9238 1451	32
MT=16,17,18,37,103,111 ARE STANDARD ENDF-6 SECTIONS,						9238 1451	33
OTHER MT NUMBERS ARE NEW ASSIGNED						9238 1451	34
IN FOLLOWING DESCRIPTION "(N,X)" MEANS SUM CROSS-SECTIONS OF						9238 1451	35
ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT						9238 1451	36
RADIOACTIVE DECAY TAKEN INTO ACCOUNT						9238 1451	37
						9238 1451	38
MT = 16	(N,2N)	CROSS-SECTION	(U237 PRODUCTION)			9238 1451	39
MT = 17	(N,3N)	CROSS-SECTION	(U236 PRODUCTION)			9238 1451	40
MT = 18	(N,F) FISSION	CROSS-SECTION				9238 1451	41
MT = 37	(N,4N)	CROSS-SECTION	(U235 PRODUCTION)			9238 1451	42
MT =103	(N,P)	CROSS-SECTION	(Pa238 PRODUCTION)			9238 1451	43
MT =111	(N,2P)	CROSS-SECTION	(Th237 PRODUCTION)			9238 1451	44
MT =121	(N,5N)	CROSS-SECTION	(U234 PRODUCTION)			9238 1451	45
MT =122	(N,6N)	CROSS-SECTION	(U233 PRODUCTION)			9238 1451	46
MT =123	(N,7N)	CROSS-SECTION	(U232 PRODUCTION)			9238 1451	47
MT =124	(N,8N)	CROSS-SECTION	(U231 PRODUCTION)			9238 1451	48
MT =125	(N,9N)	CROSS-SECTION	(U230 PRODUCTION)			9238 1451	49
MT =126	(N,10N)	CROSS-SECTION	(U229 PRODUCTION)			9238 1451	50
MT =153	(N,NP) + (N,D)	CROSS-SECTION	(Pa237 PRODUCTION)			9238 1451	51
MT =154	(N,2NP) + (N,ND)	CROSS-SECTION	(Pa236 PRODUCTION)			9238 1451	52
MT =155	(N,3NP) + (N,2ND)	CROSS-SECTION	(Pa235 PRODUCTION)			9238 1451	53
MT =156	(N,4NP) + (N,3ND)	CROSS-SECTION	(Pa234 PRODUCTION)			9238 1451	54
MT =157	(N,5NP) + (N,4ND)	CROSS-SECTION	(Pa233 PRODUCTION)			9238 1451	55
MT =158	(N,6NP) + (N,5ND)	CROSS-SECTION	(Pa232 PRODUCTION)			9238 1451	56
MT =159	(N,7NP) + (N,6ND)	CROSS-SECTION	(Pa231 PRODUCTION)			9238 1451	57
MT =160	(N,8NP) + (N,7ND)	CROSS-SECTION	(Pa230 PRODUCTION)			9238 1451	58
MT =161	(N,9NP) + (N,8ND)	CROSS-SECTION	(Pa229 PRODUCTION)			9238 1451	59
MT =162	(N,10NP) + (N,9ND)	CROSS-SECTION	(Pa228 PRODUCTION)			9238 1451	60
MT =174	(N,N2P) + (N,PD)	CROSS-SECTION	(Th236 PRODUCTION)			9238 1451	61
MT =175	(N,2N2P) + (N,X)	CROSS-SECTION	(Th235 PRODUCTION)			9238 1451	62
MT =176	(N,3N2P) + (N,X)	CROSS-SECTION	(Th234 PRODUCTION)			9238 1451	63

MT =177	(N, 4N2P) + (N, X)	CROSS-SECTION	(Th233 PRODUCTION)	9238	1451	64
MT =178	(N, 5N2P) + (N, X)	CROSS-SECTION	(Th232 PRODUCTION)	9238	1451	65
MT =179	(N, 6N2P) + (N, X)	CROSS-SECTION	(Th231 PRODUCTION)	9238	1451	66
MT =180	(N, 7N2P) + (N, X)	CROSS-SECTION	(Th230 PRODUCTION)	9238	1451	67
MT =181	(N, 8N2P) + (N, X)	CROSS-SECTION	(Th229 PRODUCTION)	9238	1451	68
MT =182	(N, 9N2P) + (N, X)	CROSS-SECTION	(Th228 PRODUCTION)	9238	1451	69
MT =183	(N, 10N2P) + (N, X)	CROSS-SECTION	(Th227 PRODUCTION)	9238	1451	70
				9238	1451	71
		1	451	104	19238	1451 72
		3	16	28	19238	1451 73
		3	17	24	19238	1451 74
		3	18	93	19238	1451 75
		3	37	19	19238	1451 76
		3	103	22	19238	1451 77
		3	111	18	19238	1451 78
		3	121	17	19238	1451 79
		3	122	15	19238	1451 80
		3	123	13	19238	1451 81
		3	124	11	19238	1451 82
		3	125	10	19238	1451 83
		3	126	9	19238	1451 84
		3	153	20	19238	1451 85
		3	154	19	19238	1451 86
		3	155	18	19238	1451 87
		3	156	15	19238	1451 88
		3	157	14	19238	1451 89
		3	158	12	19238	1451 90
		3	159	11	19238	1451 91
		3	160	10	19238	1451 92
		3	161	8	19238	1451 93
		3	162	7	19238	1451 94
		3	174	15	19238	1451 95
		3	175	23	19238	1451 96
		3	176	21	19238	1451 97
		3	177	19	19238	1451 98
		3	178	18	19238	1451 99
		3	179	16	19238	1451 100
		3	180	14	19238	1451 101
		3	181	12	19238	1451 102
		3	182	11	19238	1451 103
		3	183	10	19238	1451 104
					9238	1 0 105
					9238	0 0 106
9.2238E+04	2.3800E+02	0	0	0	09238	3 16 107
-6.1180E+06	-6.1180E+06	0	0	1	749238	3 16 108
74	2				9238	3 16 109
6.1440E+06	0.0000E+00	6.3500E+06	4.0000E-02	6.5000E+06	1.0000E-01	9238 3 16 110
7.0000E+06	5.0000E-01	7.5000E+06	8.2600E-01	8.0000E+06	1.0700E+00	9238 3 16 111
8.5000E+06	1.2090E+00	9.0000E+06	1.3100E+00	9.5000E+06	1.3640E+00	9238 3 16 112
1.0000E+07	1.4000E+00	1.0500E+07	1.4310E+00	1.1000E+07	1.4600E+00	9238 3 16 113
1.1500E+07	1.4670E+00	1.2000E+07	1.4320E+00	1.2500E+07	1.3600E+00	9238 3 16 114
1.3000E+07	1.2400E+00	1.3500E+07	1.0790E+00	1.4000E+07	9.2000E-01	9238 3 16 115
1.4500E+07	7.9000E-01	1.5000E+07	6.4800E-01	1.5500E+07	5.3800E-01	9238 3 16 116
1.6000E+07	4.6000E-01	1.6500E+07	4.0600E-01	1.7000E+07	3.6000E-01	9238 3 16 117
1.7500E+07	3.2000E-01	1.8000E+07	2.9000E-01	1.8500E+07	2.7000E-01	9238 3 16 118
1.9000E+07	2.5000E-01	1.9500E+07	2.3000E-01	2.0000E+07	2.1000E-01	9238 3 16 119
2.1000E+07	1.8700E-01	2.2000E+07	1.7199E-01	2.3000E+07	1.6115E-01	9238 3 16 120
2.4000E+07	1.5446E-01	2.5000E+07	1.4691E-01	2.6000E+07	1.3948E-01	9238 3 16 121
2.7000E+07	1.3415E-01	2.8000E+07	1.2892E-01	2.9000E+07	1.2378E-01	9238 3 16 122
3.0000E+07	1.1901E-01	3.1000E+07	1.1491E-01	3.2000E+07	1.1177E-01	9238 3 16 123
3.3000E+07	1.0869E-01	3.4000E+07	1.0586E-01	3.5000E+07	1.0318E-01	9238 3 16 124
3.6000E+07	1.0034E-01	3.7000E+07	9.7542E-02	3.8000E+07	9.5280E-02	9238 3 16 125
3.9000E+07	9.3252E-02	4.0000E+07	9.0617E-02	4.2000E+07	8.5348E-02	9238 3 16 126
4.4000E+07	8.1641E-02	4.6000E+07	7.7922E-02	4.8000E+07	7.5179E-02	9238 3 16 127
5.0000E+07	7.2104E-02	5.2000E+07	6.9488E-02	5.4000E+07	6.5925E-02	9238 3 16 128
5.6000E+07	6.3610E-02	5.8000E+07	6.1537E-02	6.0000E+07	6.0503E-02	9238 3 16 129
6.2000E+07	5.8402E-02	6.4000E+07	5.6533E-02	6.6000E+07	5.4593E-02	9238 3 16 130

6.8000E+07	5.2778E-02	7.0000E+07	5.1087E-02	7.2000E+07	4.9518E-02	9238	3	16	131
7.4000E+07	4.7969E-02	7.6000E+07	4.6738E-02	7.8000E+07	4.5324E-02	9238	3	16	132
8.0000E+07	4.4026E-02	8.5000E+07	3.9842E-02	9.0000E+07	3.7034E-02	9238	3	16	133
9.5000E+07	3.4390E-02	1.0000E+08	3.1800E-02			9238	3	16	134
						9238	3	0	135
9.2238E+04	2.3800E+02	0	0	0	0	09238	3	17	136
-1.1225E+07	-1.1225E+07	0	0	1		639238	3	17	137
	63	2				9238	3	17	138
1.1273E+07	0.0000E+00	1.1500E+07	1.0000E-02	1.2000E+07	6.0000E-02	9238	3	17	139
1.2500E+07	1.4000E-01	1.3000E+07	2.4000E-01	1.3500E+07	3.5700E-01	9238	3	17	140
1.4000E+07	4.7900E-01	1.4500E+07	5.8300E-01	1.5000E+07	6.9000E-01	9238	3	17	141
1.5500E+07	7.9000E-01	1.6000E+07	8.7200E-01	1.6500E+07	9.3800E-01	9238	3	17	142
1.7000E+07	9.9300E-01	1.7500E+07	1.0430E+00	1.8000E+07	1.0760E+00	9238	3	17	143
1.8500E+07	1.0550E+00	1.9000E+07	9.6000E-01	1.9500E+07	8.4000E-01	9238	3	17	144
2.0000E+07	7.0000E-01	2.1000E+07	6.6300E-01	2.2000E+07	5.1900E-01	9238	3	17	145
2.3000E+07	3.9800E-01	2.4000E+07	3.2000E-01	2.5000E+07	2.5900E-01	9238	3	17	146
2.6000E+07	2.1600E-01	2.7000E+07	1.8700E-01	2.8000E+07	1.6400E-01	9238	3	17	147
2.9000E+07	1.4700E-01	3.0000E+07	1.2900E-01	3.1000E+07	1.1800E-01	9238	3	17	148
3.2000E+07	1.1000E-01	3.3000E+07	1.0300E-01	3.4000E+07	9.6700E-02	9238	3	17	149
3.5000E+07	9.1700E-02	3.6000E+07	8.6900E-02	3.7000E+07	8.2600E-02	9238	3	17	150
3.8000E+07	7.9700E-02	3.9000E+07	7.7100E-02	4.0000E+07	7.3900E-02	9238	3	17	151
4.2000E+07	6.7500E-02	4.4000E+07	6.3300E-02	4.6000E+07	6.0600E-02	9238	3	17	152
4.8000E+07	5.8300E-02	5.0000E+07	5.6100E-02	5.2000E+07	5.4200E-02	9238	3	17	153
5.4000E+07	4.9700E-02	5.6000E+07	4.8200E-02	5.8000E+07	4.6800E-02	9238	3	17	154
6.0000E+07	4.5700E-02	6.2000E+07	4.4500E-02	6.4000E+07	4.2900E-02	9238	3	17	155
6.6000E+07	4.1500E-02	6.8000E+07	4.0600E-02	7.0000E+07	3.9800E-02	9238	3	17	156
7.2000E+07	3.8900E-02	7.4000E+07	3.8100E-02	7.6000E+07	3.7000E-02	9238	3	17	157
7.8000E+07	3.6100E-02	8.0000E+07	3.5200E-02	8.5000E+07	3.4100E-02	9238	3	17	158
9.0000E+07	3.2400E-02	9.5000E+07	3.0700E-02	1.0000E+08	2.9400E-02	9238	3	17	159
						9238	3	0	160
9.2238E+04	2.3800E+02	0	0	0	0	09238	3	18	161
1.9400E+08	1.9400E+08	0	0	1		2699238	3	18	162
	269	2				9238	3	18	163
1.0000E+05	2.0000E-05	1.5000E+05	4.1000E-05	1.7500E+05	5.0500E-05	9238	3	18	164
2.0000E+05	6.0000E-05	2.5000E+05	8.0000E-05	2.7500E+05	1.0000E-04	9238	3	18	165
3.0000E+05	1.2000E-04	3.2500E+05	1.4000E-04	3.5000E+05	1.7000E-04	9238	3	18	166
3.6250E+05	1.8000E-04	3.7500E+05	2.0000E-04	3.8750E+05	2.1000E-04	9238	3	18	167
4.0000E+05	2.3000E-04	4.1250E+05	2.5000E-04	4.2500E+05	2.7000E-04	9238	3	18	168
4.3750E+05	2.9000E-04	4.5000E+05	3.1000E-04	4.6250E+05	3.4000E-04	9238	3	18	169
4.7500E+05	3.7000E-04	4.8750E+05	3.9000E-04	5.0000E+05	4.2000E-04	9238	3	18	170
5.1250E+05	4.5000E-04	5.2500E+05	4.9000E-04	5.3750E+05	5.3000E-04	9238	3	18	171
5.5000E+05	5.6000E-04	5.6250E+05	6.1000E-04	5.7500E+05	6.7000E-04	9238	3	18	172
5.8750E+05	7.3000E-04	6.0000E+05	8.0000E-04	6.1250E+05	8.7000E-04	9238	3	18	173
6.2500E+05	9.7000E-04	6.3750E+05	1.0600E-03	6.5000E+05	1.1800E-03	9238	3	18	174
6.6250E+05	1.3000E-03	6.7500E+05	1.4200E-03	6.8750E+05	1.5800E-03	9238	3	18	175
7.0000E+05	1.7500E-03	7.1250E+05	1.9600E-03	7.2500E+05	2.1800E-03	9238	3	18	176
7.3750E+05	2.4000E-03	7.5000E+05	2.6200E-03	7.6250E+05	3.1000E-03	9238	3	18	177
7.7500E+05	3.6200E-03	7.8750E+05	4.1000E-03	8.0000E+05	4.7100E-03	9238	3	18	178
8.1250E+05	5.2000E-03	8.2500E+05	5.8600E-03	8.3750E+05	6.6000E-03	9238	3	18	179
8.5000E+05	7.4800E-03	8.6250E+05	9.0000E-03	8.7500E+05	1.0500E-02	9238	3	18	180
8.8750E+05	1.2400E-02	9.0000E+05	1.3500E-02	9.1250E+05	1.5000E-02	9238	3	18	181
9.2500E+05	1.6400E-02	9.3750E+05	1.7400E-02	9.5000E+05	1.7900E-02	9238	3	18	182
9.6250E+05	1.8000E-02	9.7500E+05	1.7700E-02	9.8750E+05	1.7300E-02	9238	3	18	183
1.0000E+06	1.7100E-02	1.0125E+06	1.7300E-02	1.0250E+06	1.8000E-02	9238	3	18	184
1.0375E+06	1.9200E-02	1.0500E+06	2.0700E-02	1.0625E+06	2.4200E-02	9238	3	18	185
1.0750E+06	2.4400E-02	1.0875E+06	2.7400E-02	1.1000E+06	3.2000E-02	9238	3	18	186
1.1125E+06	3.5000E-02	1.1250E+06	3.7000E-02	1.1375E+06	3.9200E-02	9238	3	18	187
1.1500E+06	4.1000E-02	1.1625E+06	4.2000E-02	1.1750E+06	4.3400E-02	9238	3	18	188
1.1875E+06	4.4400E-02	1.2000E+06	4.5400E-02	1.2125E+06	4.7000E-02	9238	3	18	189
1.2250E+06	4.8500E-02	1.2375E+06	5.0400E-02	1.2500E+06	5.2600E-02	9238	3	18	190
1.2625E+06	5.6800E-02	1.2750E+06	6.2800E-02	1.2875E+06	7.0000E-02	9238	3	18	191
1.3000E+06	7.6500E-02	1.3125E+06	8.5000E-02	1.3250E+06	9.4600E-02	9238	3	18	192
1.3375E+06	1.0400E-01	1.3500E+06	1.1850E-01	1.3625E+06	1.3400E-01	9238	3	18	193
1.3750E+06	1.5500E-01	1.3875E+06	1.8400E-01	1.4000E+06	2.0900E-01	9238	3	18	194
1.4125E+06	2.3200E-01	1.4250E+06	2.5200E-01	1.4375E+06	2.7700E-01	9238	3	18	195
1.4500E+06	2.9700E-01	1.4625E+06	3.1400E-01	1.4750E+06	3.2900E-01	9238	3	18	196
1.4875E+06	3.3800E-01	1.5000E+06	3.5100E-01	1.5125E+06	3.5800E-01	9238	3	18	197

1.5250E+06	3.6600E-01	1.5375E+06	3.7400E-01	1.5500E+06	3.8000E-01	9238	3	18	198
1.5750E+06	3.9300E-01	1.6000E+06	4.0300E-01	1.6250E+06	4.1300E-01	9238	3	18	199
1.6500E+06	4.2500E-01	1.6750E+06	4.3500E-01	1.7000E+06	4.4600E-01	9238	3	18	200
1.7250E+06	4.5600E-01	1.7500E+06	4.6500E-01	1.7750E+06	4.7300E-01	9238	3	18	201
1.8000E+06	4.8200E-01	1.8250E+06	4.8900E-01	1.8500E+06	4.9600E-01	9238	3	18	202
1.8750E+06	5.0300E-01	1.9000E+06	5.1000E-01	1.9250E+06	5.1400E-01	9238	3	18	203
1.9500E+06	5.1700E-01	1.9750E+06	5.2100E-01	2.0000E+06	5.2300E-01	9238	3	18	204
2.0500E+06	5.2700E-01	2.1000E+06	5.3200E-01	2.1500E+06	5.3500E-01	9238	3	18	205
2.2000E+06	5.3800E-01	2.2500E+06	5.3900E-01	2.3000E+06	5.4000E-01	9238	3	18	206
2.3500E+06	5.4100E-01	2.4000E+06	5.4200E-01	2.4500E+06	5.4100E-01	9238	3	18	207
2.5000E+06	5.4000E-01	2.5500E+06	5.3800E-01	2.6000E+06	5.3600E-01	9238	3	18	208
2.6500E+06	5.3400E-01	2.7000E+06	5.3200E-01	2.7500E+06	5.3000E-01	9238	3	18	209
2.8000E+06	5.2900E-01	2.8500E+06	5.2800E-01	2.9000E+06	5.2800E-01	9238	3	18	210
2.9500E+06	5.2700E-01	3.0000E+06	5.2800E-01	3.0500E+06	5.2700E-01	9238	3	18	211
3.1000E+06	5.2800E-01	3.2000E+06	5.3000E-01	3.3000E+06	5.3500E-01	9238	3	18	212
3.4000E+06	5.4000E-01	3.5000E+06	5.4500E-01	3.6000E+06	5.5000E-01	9238	3	18	213
3.7000E+06	5.5500E-01	3.8000E+06	5.5900E-01	3.9000E+06	5.6300E-01	9238	3	18	214
4.0000E+06	5.6400E-01	4.1000E+06	5.6400E-01	4.2000E+06	5.6300E-01	9238	3	18	215
4.3000E+06	5.6100E-01	4.4000E+06	5.5800E-01	4.5000E+06	5.5700E-01	9238	3	18	216
4.6000E+06	5.5500E-01	4.7000E+06	5.5400E-01	4.8000E+06	5.5400E-01	9238	3	18	217
4.9000E+06	5.5300E-01	5.0000E+06	5.5300E-01	5.1000E+06	5.5300E-01	9238	3	18	218
5.2000E+06	5.5500E-01	5.3000E+06	5.5700E-01	5.4000E+06	5.6000E-01	9238	3	18	219
5.5000E+06	5.6300E-01	5.6000E+06	5.6800E-01	5.7000E+06	5.8000E-01	9238	3	18	220
5.8000E+06	5.9500E-01	5.9000E+06	6.1500E-01	6.0000E+06	6.3200E-01	9238	3	18	221
6.1000E+06	6.5000E-01	6.2000E+06	6.7600E-01	6.3000E+06	7.0500E-01	9238	3	18	222
6.4000E+06	7.3500E-01	6.5000E+06	7.7000E-01	6.6000E+06	8.0000E-01	9238	3	18	223
6.7000E+06	8.3000E-01	6.8000E+06	8.5500E-01	6.9000E+06	8.8500E-01	9238	3	18	224
7.0000E+06	9.1200E-01	7.1000E+06	9.3000E-01	7.2000E+06	9.5300E-01	9238	3	18	225
7.3000E+06	9.6500E-01	7.4000E+06	9.8000E-01	7.5000E+06	9.9500E-01	9238	3	18	226
7.6000E+06	1.0050E+00	7.7000E+06	1.0150E+00	7.8000E+06	1.0220E+00	09238	3	18	227
7.9000E+06	1.0270E+00	8.0000E+06	1.0330E+00	8.5000E+06	1.0270E+00	09238	3	18	228
9.0000E+06	1.0100E+00	9.5000E+06	1.0000E+00	1.0000E+07	9.9100E-01	9238	3	18	229
1.0500E+07	9.8500E-01	1.1000E+07	9.8400E-01	1.1500E+07	9.9000E-01	9238	3	18	230
1.1600E+07	9.9100E-01	1.1800E+07	9.9300E-01	1.2000E+07	9.9500E-01	9238	3	18	231
1.2200E+07	9.9700E-01	1.2400E+07	1.0000E+00	1.2500E+07	1.0050E+00	09238	3	18	232
1.2600E+07	1.0250E+00	1.2800E+07	1.0370E+00	1.3000E+07	1.0420E+00	09238	3	18	233
1.3200E+07	1.0680E+00	1.3400E+07	1.0920E+00	1.3600E+07	1.1130E+00	09238	3	18	234
1.3800E+07	1.1350E+00	1.4000E+07	1.1550E+00	1.4100E+07	1.1650E+00	09238	3	18	235
1.4500E+07	1.1950E+00	1.5000E+07	1.2300E+00	1.6000E+07	1.2650E+00	09238	3	18	236
1.7000E+07	1.2550E+00	1.8000E+07	1.2400E+00	1.8500E+07	1.2450E+00	09238	3	18	237
1.9000E+07	1.2950E+00	1.9500E+07	1.3750E+00	2.0000E+07	1.4350E+00	09238	3	18	238
2.1000E+07	1.5831E+00	2.2000E+07	1.6012E+00	2.3000E+07	1.6028E+00	09238	3	18	239
2.4000E+07	1.5953E+00	2.5000E+07	1.5908E+00	2.6000E+07	1.5908E+00	09238	3	18	240
2.7000E+07	1.5938E+00	2.8000E+07	1.6065E+00	2.9000E+07	1.6220E+00	09238	3	18	241
3.0000E+07	1.6441E+00	3.1000E+07	1.6604E+00	3.2000E+07	1.6721E+00	09238	3	18	242
3.3000E+07	1.6812E+00	3.4000E+07	1.6885E+00	3.5000E+07	1.6952E+00	09238	3	18	243
3.6000E+07	1.7033E+00	3.7000E+07	1.7101E+00	3.8000E+07	1.7156E+00	09238	3	18	244
3.9000E+07	1.7194E+00	4.0000E+07	1.7212E+00	4.2000E+07	1.7270E+00	09238	3	18	245
4.4000E+07	1.7224E+00	4.6000E+07	1.7115E+00	4.8000E+07	1.7008E+00	09238	3	18	246
5.0000E+07	1.6886E+00	5.2000E+07	1.6761E+00	5.4000E+07	1.6653E+00	09238	3	18	247
5.6000E+07	1.6489E+00	5.8000E+07	1.6333E+00	6.0000E+07	1.6252E+00	09238	3	18	248
6.2000E+07	1.6101E+00	6.4000E+07	1.5950E+00	6.6000E+07	1.5796E+00	09238	3	18	249
6.8000E+07	1.5636E+00	7.0000E+07	1.5511E+00	7.2000E+07	1.5387E+00	09238	3	18	250
7.4000E+07	1.5267E+00	7.6000E+07	1.5156E+00	7.8000E+07	1.5051E+00	09238	3	18	251
8.0000E+07	1.4949E+00	8.5000E+07	1.4711E+00	9.0000E+07	1.4499E+00	09238	3	18	252
9.5000E+07	1.4297E+00	1.0000E+08	1.4112E+00			9238	3	18	253
						9238	3	0	254
9.2238E+04	2.3800E+02	0	0	0		09238	3	37	255
-1.7824E+07	-1.7824E+07	0	0	1		479238	3	37	256
	47	2				9238	3	37	257
1.7899E+07	0.0000E+00	1.9000E+07	1.5900E-03	2.0000E+07	3.0000E-02	9238	3	37	258
2.1000E+07	1.1400E-01	2.2000E+07	2.2300E-01	2.3000E+07	3.2400E-01	9238	3	37	259
2.4000E+07	3.9800E-01	2.5000E+07	4.5600E-01	2.6000E+07	4.8800E-01	9238	3	37	260
2.7000E+07	4.8400E-01	2.8000E+07	4.4500E-01	2.9000E+07	3.8800E-01	9238	3	37	261
3.0000E+07	3.2800E-01	3.1000E+07	2.7300E-01	3.2000E+07	2.2700E-01	9238	3	37	262
3.3000E+07	1.9100E-01	3.4000E+07	1.6300E-01	3.5000E+07	1.4100E-01	9238	3	37	263
3.6000E+07	1.2300E-01	3.7000E+07	1.0900E-01	3.8000E+07	9.7900E-02	9238	3	37	264

3.9000E+07	8.8900E-02	4.0000E+07	8.2167E-02	4.2000E+07	6.8700E-02	9238	3	37	265
4.4000E+07	5.9200E-02	4.6000E+07	5.3400E-02	4.8000E+07	4.8700E-02	9238	3	37	266
5.0000E+07	4.4800E-02	5.2000E+07	4.1800E-02	5.4000E+07	4.0000E-02	9238	3	37	267
5.6000E+07	3.7800E-02	5.8000E+07	3.6000E-02	6.0000E+07	3.4700E-02	9238	3	37	268
6.2000E+07	3.3200E-02	6.4000E+07	3.1900E-02	6.6000E+07	3.0800E-02	9238	3	37	269
6.8000E+07	2.9800E-02	7.0000E+07	2.8800E-02	7.2000E+07	2.8100E-02	9238	3	37	270
7.4000E+07	2.7300E-02	7.6000E+07	2.6600E-02	7.8000E+07	2.5800E-02	9238	3	37	271
8.0000E+07	2.5100E-02	8.5000E+07	2.3600E-02	9.0000E+07	2.2100E-02	9238	3	37	272
9.5000E+07	2.0800E-02	1.0000E+08	1.9700E-02			9238	3	37	273
						9238	3	0	274
9.2238E+04	2.3800E+02	0	0	0		09238	3103		275
-3.1805E+06	-3.1805E+06	0	0	1		559238	3103		276
	55	2				9238	3103		277
3.1939E+06	0.0000E+00	1.0000E+07	8.3000E-06	1.1000E+07	6.4200E-05	9238	3103		278
1.2000E+07	2.4000E-04	1.3000E+07	6.6400E-04	1.4000E+07	1.3700E-03	9238	3103		279
1.5000E+07	2.7800E-03	1.6000E+07	4.9300E-03	1.7000E+07	7.7800E-03	9238	3103		280
1.8000E+07	1.0000E-02	1.9000E+07	1.3500E-02	2.0000E+07	1.6600E-02	9238	3103		281
2.1000E+07	1.9200E-02	2.2000E+07	2.0500E-02	2.3000E+07	2.2800E-02	9238	3103		282
2.4000E+07	2.4900E-02	2.5000E+07	2.6800E-02	2.6000E+07	2.7400E-02	9238	3103		283
2.7000E+07	2.8100E-02	2.8000E+07	2.8400E-02	2.9000E+07	2.9400E-02	9238	3103		284
3.0000E+07	2.9800E-02	3.1000E+07	3.0000E-02	3.2000E+07	3.0400E-02	9238	3103		285
3.3000E+07	3.0600E-02	3.4000E+07	3.0600E-02	3.5000E+07	3.0400E-02	9238	3103		286
3.6000E+07	3.0100E-02	3.7000E+07	2.9800E-02	3.8000E+07	2.9600E-02	9238	3103		287
3.9000E+07	2.9400E-02	4.0000E+07	2.8600E-02	4.2000E+07	2.7800E-02	9238	3103		288
4.4000E+07	2.7200E-02	4.6000E+07	2.6500E-02	4.8000E+07	2.5700E-02	9238	3103		289
5.0000E+07	2.5100E-02	5.2000E+07	2.4400E-02	5.4000E+07	2.3600E-02	9238	3103		290
5.6000E+07	2.3000E-02	5.8000E+07	2.2400E-02	6.0000E+07	2.1700E-02	9238	3103		291
6.2000E+07	2.1100E-02	6.4000E+07	2.0500E-02	6.6000E+07	1.9900E-02	9238	3103		292
6.8000E+07	1.9400E-02	7.0000E+07	1.8800E-02	7.2000E+07	1.8300E-02	9238	3103		293
7.4000E+07	1.7800E-02	7.6000E+07	1.7300E-02	7.8000E+07	1.6800E-02	9238	3103		294
8.0000E+07	1.5800E-02	8.5000E+07	1.4800E-02	9.0000E+07	1.3900E-02	9238	3103		295
9.5000E+07	1.3100E-02					9238	3103		296
						9238	3	0	297
9.2238E+04	2.3800E+02	0	0	0		09238	3111		298
-9.5234E+06	-9.5234E+06	0	0	1		439238	3111		299
	43	2				9238	3111		300
9.5634E+06	0.0000E+00	2.3000E+07	9.0700E-08	2.4000E+07	1.4400E-06	9238	3111		301
2.5000E+07	6.6400E-06	2.6000E+07	1.9600E-05	2.7000E+07	4.8700E-05	9238	3111		302
2.8000E+07	9.9300E-05	2.9000E+07	1.7200E-04	3.0000E+07	2.7500E-04	9238	3111		303
3.1000E+07	3.7800E-04	3.2000E+07	5.3400E-04	3.3000E+07	7.1300E-04	9238	3111		304
3.4000E+07	9.1000E-04	3.5000E+07	1.1200E-03	3.6000E+07	1.3400E-03	9238	3111		305
3.7000E+07	1.5100E-03	3.8000E+07	1.7700E-03	3.9000E+07	2.0400E-03	9238	3111		306
4.0000E+07	2.3133E-03	4.2000E+07	2.8600E-03	4.4000E+07	3.2800E-03	9238	3111		307
4.6000E+07	3.6800E-03	4.8000E+07	3.9900E-03	5.0000E+07	4.1900E-03	9238	3111		308
5.2000E+07	4.3800E-03	5.4000E+07	4.4900E-03	5.6000E+07	4.5900E-03	9238	3111		309
5.8000E+07	4.6900E-03	6.0000E+07	4.7800E-03	6.2000E+07	4.8500E-03	9238	3111		310
6.4000E+07	4.8600E-03	6.6000E+07	4.9100E-03	6.8000E+07	4.9300E-03	9238	3111		311
7.0000E+07	4.9700E-03	7.2000E+07	5.0100E-03	7.4000E+07	5.0100E-03	9238	3111		312
7.6000E+07	5.0000E-03	7.8000E+07	5.0200E-03	8.0000E+07	5.0300E-03	9238	3111		313
8.5000E+07	5.0700E-03	9.0000E+07	5.0200E-03	9.5000E+07	5.0200E-03	9238	3111		314
1.0000E+08	4.9900E-03					9238	3111		315
						9238	3	0	316
9.2238E+04	2.3800E+02	0	0	0		09238	3121		317
-2.3122E+07	-2.3122E+07	0	0	1		429238	3121		318
	42	2				9238	3121		319
2.3220E+07	0.0000E+00	2.4000E+07	2.7100E-07	2.5000E+07	4.1400E-04	9238	3121		320
2.6000E+07	6.4700E-03	2.7000E+07	2.5500E-02	2.8000E+07	6.0600E-02	9238	3121		321
2.9000E+07	9.7800E-02	3.0000E+07	1.3500E-01	3.1000E+07	1.6700E-01	9238	3121		322
3.2000E+07	1.9300E-01	3.3000E+07	2.0900E-01	3.4000E+07	2.1900E-01	9238	3121		323
3.5000E+07	2.1800E-01	3.6000E+07	2.0800E-01	3.7000E+07	1.9200E-01	9238	3121		324
3.8000E+07	1.7300E-01	3.9000E+07	1.5300E-01	4.0000E+07	1.3567E-01	9238	3121		325
4.2000E+07	1.0100E-01	4.4000E+07	7.8900E-02	4.6000E+07	6.4200E-02	9238	3121		326
4.8000E+07	5.3200E-02	5.0000E+07	4.5400E-02	5.2000E+07	3.9800E-02	9238	3121		327
5.4000E+07	3.5300E-02	5.6000E+07	3.2200E-02	5.8000E+07	2.9300E-02	9238	3121		328
6.0000E+07	2.7600E-02	6.2000E+07	2.5900E-02	6.4000E+07	2.4300E-02	9238	3121		329
6.6000E+07	2.3100E-02	6.8000E+07	2.2100E-02	7.0000E+07	2.1100E-02	9238	3121		330
7.2000E+07	2.0100E-02	7.4000E+07	1.9400E-02	7.6000E+07	1.8700E-02	9238	3121		331

7.8000E+07	1.8100E-02	8.0000E+07	1.7500E-02	8.5000E+07	1.6300E-02	9238	3121	332
9.0000E+07	1.5300E-02	9.5000E+07	1.3700E-02	1.0000E+08	1.2900E-02	9238	3121	333
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0	0	09238	3122	335
-2.9966E+07	-2.9966E+07	0	0	1	0	359238	3122	336
	35	2				9238	3122	337
3.0092E+07	0.0000E+00	3.1000E+07	7.4000E-09	3.2000E+07	4.7100E-06	9238	3122	338
3.3000E+07	1.2700E-04	3.4000E+07	9.8100E-04	3.5000E+07	3.5500E-03	9238	3122	339
3.6000E+07	8.8900E-03	3.7000E+07	1.6700E-02	3.8000E+07	2.5600E-02	9238	3122	340
3.9000E+07	3.5100E-02	4.0000E+07	4.2300E-02	4.2000E+07	5.6700E-02	9238	3122	341
4.4000E+07	5.9100E-02	4.6000E+07	5.3800E-02	4.8000E+07	4.5200E-02	9238	3122	342
5.0000E+07	3.6700E-02	5.2000E+07	2.9700E-02	5.4000E+07	2.4100E-02	9238	3122	343
5.6000E+07	2.0200E-02	5.8000E+07	1.7300E-02	6.0000E+07	1.5500E-02	9238	3122	344
6.2000E+07	1.3700E-02	6.4000E+07	1.2300E-02	6.6000E+07	1.1100E-02	9238	3122	345
6.8000E+07	1.0200E-02	7.0000E+07	9.4200E-03	7.2000E+07	8.8000E-03	9238	3122	346
7.4000E+07	8.2600E-03	7.6000E+07	7.8100E-03	7.8000E+07	7.4200E-03	9238	3122	347
8.0000E+07	7.0700E-03	8.5000E+07	6.3600E-03	9.0000E+07	5.8000E-03	9238	3122	348
9.5000E+07	5.5000E-03	1.0000E+08	5.1400E-03			9238	3122	349
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0	0	09238	3123	351
-3.5720E+07	-3.5720E+07	0	0	1	0	299238	3123	352
	29	2				9238	3123	353
3.5870E+07	0.0000E+00	3.7000E+07	2.1600E-10	3.8000E+07	1.3200E-07	9238	3123	354
3.9000E+07	4.9600E-06	4.0000E+07	2.9131E-04	4.2000E+07	8.6400E-04	9238	3123	355
4.4000E+07	3.5900E-03	4.6000E+07	7.7800E-03	4.8000E+07	1.2400E-02	9238	3123	356
5.0000E+07	1.5800E-02	5.2000E+07	1.7100E-02	5.4000E+07	1.6500E-02	9238	3123	357
5.6000E+07	1.5000E-02	5.8000E+07	1.3000E-02	6.0000E+07	1.1500E-02	9238	3123	358
6.2000E+07	9.8600E-03	6.4000E+07	8.4000E-03	6.6000E+07	7.2100E-03	9238	3123	359
6.8000E+07	6.2800E-03	7.0000E+07	5.1100E-03	7.2000E+07	4.6300E-03	9238	3123	360
7.4000E+07	4.1800E-03	7.6000E+07	3.8100E-03	7.8000E+07	3.5400E-03	9238	3123	361
8.0000E+07	3.2900E-03	8.5000E+07	2.8900E-03	9.0000E+07	2.5800E-03	9238	3123	362
9.5000E+07	2.3300E-03	1.0000E+08	2.1100E-03			9238	3123	363
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0	0	09238	3124	365
-4.2975E+07	-4.2975E+07	0	0	1	0	239238	3124	366
	23	2				9238	3124	367
4.3155E+07	0.0000E+00	4.6000E+07	3.4500E-08	4.8000E+07	4.8100E-06	9238	3124	368
5.0000E+07	6.7000E-05	5.2000E+07	3.3100E-04	5.4000E+07	9.2100E-04	9238	3124	369
5.6000E+07	1.7300E-03	5.8000E+07	2.6600E-03	6.0000E+07	3.2300E-03	9238	3124	370
6.2000E+07	3.6600E-03	6.4000E+07	3.7700E-03	6.6000E+07	3.5900E-03	9238	3124	371
6.8000E+07	3.2600E-03	7.0000E+07	2.9700E-03	7.2000E+07	2.6300E-03	9238	3124	372
7.4000E+07	2.3000E-03	7.6000E+07	2.0200E-03	7.8000E+07	1.7900E-03	9238	3124	373
8.0000E+07	1.5900E-03	8.5000E+07	1.2300E-03	9.0000E+07	1.0100E-03	9238	3124	374
9.5000E+07	8.7900E-04	1.0000E+08	7.8600E-04			9238	3124	375
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0	0	09238	3125	377
-4.8874E+07	-4.8874E+07	0	0	1	0	209238	3125	378
	20	2				9238	3125	379
4.9079E+07	0.0000E+00	5.2000E+07	3.2700E-10	5.4000E+07	7.1700E-08	9238	3125	380
5.6000E+07	1.4600E-06	5.8000E+07	1.1700E-05	6.0000E+07	3.5400E-05	9238	3125	381
6.2000E+07	9.2800E-05	6.4000E+07	1.8200E-04	6.6000E+07	2.8600E-04	9238	3125	382
6.8000E+07	3.7600E-04	7.0000E+07	4.3700E-04	7.2000E+07	4.6000E-04	9238	3125	383
7.4000E+07	4.5800E-04	7.6000E+07	4.3600E-04	7.8000E+07	4.0300E-04	9238	3125	384
8.0000E+07	3.6600E-04	8.5000E+07	2.7700E-04	9.0000E+07	2.1200E-04	9238	3125	385
9.5000E+07	1.7100E-04	1.0000E+08	1.4400E-04			9238	3125	386
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0	0	09238	3126	388
-5.6539E+07	-5.6539E+07	0	0	1	0	169238	3126	389
	16	2				9238	3126	390
5.6777E+07	0.0000E+00	6.0000E+07	2.3600E-13	6.2000E+07	1.3800E-10	9238	3126	391
6.4000E+07	6.0900E-09	6.6000E+07	7.5600E-08	6.8000E+07	4.4400E-07	9238	3126	392
7.0000E+07	1.5400E-06	7.2000E+07	3.4000E-06	7.4000E+07	6.4900E-06	9238	3126	393
7.6000E+07	1.0200E-05	7.8000E+07	1.3800E-05	8.0000E+07	1.6900E-05	9238	3126	394
8.5000E+07	1.9500E-05	9.0000E+07	1.7600E-05	9.5000E+07	1.4300E-05	9238	3126	395
1.0000E+08	1.1500E-05					9238	3126	396
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0	0	09238	3153	398

-5.3976E+06	-5.3976E+06	0	0	1	509238	3153	399
50	2				9238	3153	400
5.4202E+06	0.0000E+00	1.5000E+07	4.6900E-04	1.6000E+07	1.0800E-03	9238	3153
1.7000E+07	1.9500E-03	1.8000E+07	2.6100E-03	1.9000E+07	4.1400E-03	9238	3153
2.0000E+07	6.1000E-03	2.1000E+07	8.7000E-03	2.2000E+07	1.0900E-02	9238	3153
2.3000E+07	1.4700E-02	2.4000E+07	1.9700E-02	2.5000E+07	2.4800E-02	9238	3153
2.6000E+07	2.8500E-02	2.7000E+07	3.4400E-02	2.8000E+07	3.9700E-02	9238	3153
2.9000E+07	4.3600E-02	3.0000E+07	4.7700E-02	3.1000E+07	5.0500E-02	9238	3153
3.2000E+07	5.4200E-02	3.3000E+07	5.7100E-02	3.4000E+07	5.9500E-02	9238	3153
3.5000E+07	6.1400E-02	3.6000E+07	6.2600E-02	3.7000E+07	6.1900E-02	9238	3153
3.8000E+07	6.1800E-02	3.9000E+07	6.1800E-02	4.0000E+07	5.8000E-02	9238	3153
4.2000E+07	5.7200E-02	4.4000E+07	5.7100E-02	4.6000E+07	5.6500E-02	9238	3153
4.8000E+07	5.6100E-02	5.0000E+07	5.5800E-02	5.2000E+07	5.5500E-02	9238	3153
5.4000E+07	5.5200E-02	5.6000E+07	5.4900E-02	5.8000E+07	5.4800E-02	9238	3153
6.0000E+07	5.4100E-02	6.2000E+07	5.3700E-02	6.4000E+07	5.2700E-02	9238	3153
6.6000E+07	5.2500E-02	6.8000E+07	5.1800E-02	7.0000E+07	5.1300E-02	9238	3153
7.2000E+07	5.0600E-02	7.4000E+07	5.0200E-02	7.6000E+07	4.9800E-02	9238	3153
7.8000E+07	4.9300E-02	8.0000E+07	4.8300E-02	8.5000E+07	4.6800E-02	9238	3153
9.0000E+07	4.6200E-02	9.5000E+07	4.5000E-02			9238	3153
						9238	3 0
9.2238E+04	2.3800E+02	0	0	0	09238	3154	419
-1.1369E+07	-1.1369E+07	0	0	1	469238	3154	420
46	2				9238	3154	421
1.1417E+07	0.0000E+00	1.9000E+07	9.2500E-11	2.0000E+07	6.9400E-10	9238	3154
2.1000E+07	5.7200E-08	2.2000E+07	2.9300E-06	2.3000E+07	1.9700E-05	9238	3154
2.4000E+07	8.9500E-05	2.5000E+07	3.0000E-04	2.6000E+07	7.6600E-04	9238	3154
2.7000E+07	1.7100E-03	2.8000E+07	3.2400E-03	2.9000E+07	5.0800E-03	9238	3154
3.0000E+07	7.9600E-03	3.1000E+07	1.1500E-02	3.2000E+07	1.5700E-02	9238	3154
3.3000E+07	2.0200E-02	3.4000E+07	2.4500E-02	3.5000E+07	2.8800E-02	9238	3154
3.6000E+07	3.2800E-02	3.7000E+07	3.6800E-02	3.8000E+07	4.1400E-02	9238	3154
3.9000E+07	4.5300E-02	4.0000E+07	5.4700E-02	4.2000E+07	5.7500E-02	9238	3154
4.4000E+07	5.9300E-02	4.6000E+07	6.0000E-02	4.8000E+07	5.8200E-02	9238	3154
5.0000E+07	5.6300E-02	5.2000E+07	5.3800E-02	5.4000E+07	5.2000E-02	9238	3154
5.6000E+07	5.0400E-02	5.8000E+07	4.9500E-02	6.0000E+07	4.8500E-02	9238	3154
6.2000E+07	4.7400E-02	6.4000E+07	4.6800E-02	6.6000E+07	4.6000E-02	9238	3154
6.8000E+07	4.5300E-02	7.0000E+07	4.4800E-02	7.2000E+07	4.4200E-02	9238	3154
7.4000E+07	4.3400E-02	7.6000E+07	4.2700E-02	7.8000E+07	4.2100E-02	9238	3154
8.0000E+07	4.0800E-02	8.5000E+07	3.9600E-02	9.0000E+07	3.8600E-02	9238	3154
9.5000E+07	3.7400E-02					9238	3154
						9238	3 0
9.2238E+04	2.3800E+02	0	0	0	09238	3155	439
-1.6221E+07	-1.6221E+07	0	0	1	439238	3155	440
43	2				9238	3155	441
1.6289E+07	0.0000E+00	2.3000E+07	1.6700E-14	2.4000E+07	8.6100E-11	9238	3155
2.5000E+07	1.4300E-09	2.6000E+07	1.0200E-08	2.7000E+07	6.4100E-07	9238	3155
2.8000E+07	6.7200E-06	2.9000E+07	2.8500E-05	3.0000E+07	1.1800E-04	9238	3155
3.1000E+07	3.6400E-04	3.2000E+07	8.9800E-04	3.3000E+07	1.9100E-03	9238	3155
3.4000E+07	3.4900E-03	3.5000E+07	5.7300E-03	3.6000E+07	8.5600E-03	9238	3155
3.7000E+07	1.2100E-02	3.8000E+07	1.6000E-02	3.9000E+07	2.0100E-02	9238	3155
4.0000E+07	2.4967E-02	4.2000E+07	3.4700E-02	4.4000E+07	4.3100E-02	9238	3155
4.6000E+07	4.9600E-02	4.8000E+07	5.5800E-02	5.0000E+07	6.1900E-02	9238	3155
5.2000E+07	6.7200E-02	5.4000E+07	7.1000E-02	5.6000E+07	7.3600E-02	9238	3155
5.8000E+07	7.5000E-02	6.0000E+07	7.5300E-02	6.2000E+07	7.5100E-02	9238	3155
6.4000E+07	7.3900E-02	6.6000E+07	7.1600E-02	6.8000E+07	6.9100E-02	9238	3155
7.0000E+07	6.6300E-02	7.2000E+07	6.3800E-02	7.4000E+07	6.1600E-02	9238	3155
7.6000E+07	5.9800E-02	7.8000E+07	5.8300E-02	8.0000E+07	5.7000E-02	9238	3155
8.5000E+07	5.4300E-02	9.0000E+07	5.2100E-02	9.5000E+07	5.0300E-02	9238	3155
1.0000E+08	4.8500E-02					9238	3155
						9238	3 0
9.2238E+04	2.3800E+02	0	0	0	09238	3156	458
-2.2322E+07	-2.2322E+07	0	0	1	369238	3156	459
36	2				9238	3156	460
2.2415E+07	0.0000E+00	3.0000E+07	1.3100E-11	3.1000E+07	6.3200E-10	9238	3156
3.2000E+07	5.3700E-09	3.3000E+07	4.3600E-08	3.4000E+07	6.7800E-07	9238	3156
3.5000E+07	5.0800E-06	3.6000E+07	2.4400E-05	3.7000E+07	9.0700E-05	9238	3156
3.8000E+07	2.6700E-04	3.9000E+07	6.2900E-04	4.0000E+07	1.6060E-03	9238	3156
4.2000E+07	3.5600E-03	4.4000E+07	8.1800E-03	4.6000E+07	1.4300E-02	9238	3156

4.8000E+07	2.1700E-02	5.0000E+07	2.8000E-02	5.2000E+07	3.3100E-02	9238	3156	466
5.4000E+07	3.7300E-02	5.6000E+07	4.0600E-02	5.8000E+07	4.3200E-02	9238	3156	467
6.0000E+07	4.4800E-02	6.2000E+07	4.6800E-02	6.4000E+07	4.9200E-02	9238	3156	468
6.6000E+07	5.1700E-02	6.8000E+07	5.4100E-02	7.0000E+07	5.5800E-02	9238	3156	469
7.2000E+07	5.6900E-02	7.4000E+07	5.7300E-02	7.6000E+07	5.6900E-02	9238	3156	470
7.8000E+07	5.5900E-02	8.0000E+07	5.4100E-02	8.5000E+07	4.8900E-02	9238	3156	471
9.0000E+07	4.4700E-02	9.5000E+07	4.1400E-02	1.0000E+08	3.9600E-02	9238	3156	472
						9238	3157	473
9.2238E+04	2.3800E+02	0	0	0		09238	3157	474
-2.7531E+07	-2.7531E+07	0	0	1		319238	3157	475
	31	2				9238	3157	476
2.7647E+07	0.0000E+00	3.5000E+07	1.4200E-13	3.6000E+07	4.2800E-11	9238	3157	477
3.7000E+07	8.5600E-10	3.8000E+07	6.5000E-09	3.9000E+07	4.0700E-08	9238	3157	478
4.0000E+07	4.4605E-06	4.2000E+07	1.3300E-05	4.4000E+07	1.3800E-04	9238	3157	479
4.6000E+07	6.7900E-04	4.8000E+07	2.4300E-03	5.0000E+07	5.7600E-03	9238	3157	480
5.2000E+07	1.0500E-02	5.4000E+07	1.6500E-02	5.6000E+07	2.2800E-02	9238	3157	481
5.8000E+07	2.8900E-02	6.0000E+07	3.3700E-02	6.2000E+07	3.7100E-02	9238	3157	482
6.4000E+07	3.9800E-02	6.6000E+07	4.2400E-02	6.8000E+07	4.4500E-02	9238	3157	483
7.0000E+07	4.6200E-02	7.2000E+07	4.7600E-02	7.4000E+07	4.8800E-02	9238	3157	484
7.6000E+07	5.0000E-02	7.8000E+07	5.1500E-02	8.0000E+07	5.3300E-02	9238	3157	485
8.5000E+07	5.6000E-02	9.0000E+07	5.6400E-02	9.5000E+07	5.4100E-02	9238	3157	486
1.0000E+08	5.0600E-02					9238	3157	487
						9238	3158	488
9.2238E+04	2.3800E+02	0	0	0		09238	3158	489
-3.4050E+07	-3.4050E+07	0	0	1		259238	3158	490
	25	2				9238	3158	491
3.4193E+07	0.0000E+00	4.2000E+07	1.4300E-12	4.4000E+07	5.3300E-10	9238	3158	492
4.6000E+07	1.7600E-08	4.8000E+07	6.1500E-07	5.0000E+07	1.0900E-05	9238	3158	493
5.2000E+07	8.8700E-05	5.4000E+07	4.1500E-04	5.6000E+07	1.2700E-03	9238	3158	494
5.8000E+07	3.1600E-03	6.0000E+07	6.0400E-03	6.2000E+07	9.8600E-03	9238	3158	495
6.4000E+07	1.3500E-02	6.6000E+07	1.7000E-02	6.8000E+07	1.9700E-02	9238	3158	496
7.0000E+07	2.2000E-02	7.2000E+07	2.3700E-02	7.4000E+07	2.5000E-02	9238	3158	497
7.6000E+07	2.6100E-02	7.8000E+07	2.7000E-02	8.0000E+07	2.7800E-02	9238	3158	498
8.5000E+07	2.9600E-02	9.0000E+07	3.1200E-02	9.5000E+07	3.2500E-02	9238	3158	499
1.0000E+08	3.4100E-02					9238	3158	500
						9238	3159	501
9.2238E+04	2.3800E+02	0	0	0		09238	3159	502
-3.9611E+07	-3.9611E+07	0	0	1		229238	3159	503
	22	2				9238	3159	504
3.9777E+07	0.0000E+00	4.8000E+07	1.7100E-13	5.0000E+07	1.2600E-10	9238	3159	505
5.2000E+07	5.7000E-09	5.4000E+07	1.2300E-07	5.6000E+07	1.5900E-06	9238	3159	506
5.8000E+07	1.6700E-05	6.0000E+07	9.8000E-05	6.2000E+07	3.9900E-04	9238	3159	507
6.4000E+07	1.0400E-03	6.6000E+07	2.1500E-03	6.8000E+07	3.6500E-03	9238	3159	508
7.0000E+07	5.8000E-03	7.2000E+07	8.0300E-03	7.4000E+07	1.0200E-02	9238	3159	509
7.6000E+07	1.2100E-02	7.8000E+07	1.3500E-02	8.0000E+07	1.4600E-02	9238	3159	510
8.5000E+07	1.6100E-02	9.0000E+07	1.7300E-02	9.5000E+07	1.8300E-02	9238	3159	511
1.0000E+08	1.9000E-02					9238	3159	512
						9238	3160	513
9.2238E+04	2.3800E+02	0	0	0		09238	3160	514
-4.6425E+07	-4.6425E+07	0	0	1		199238	3160	515
	19	2				9238	3160	516
4.6620E+07	0.0000E+00	5.4000E+07	7.4500E-16	5.6000E+07	1.5900E-12	9238	3160	517
5.8000E+07	2.0500E-10	6.0000E+07	4.0300E-09	6.2000E+07	8.8700E-08	9238	3160	518
6.4000E+07	1.0500E-06	6.6000E+07	7.6000E-06	6.8000E+07	3.7100E-05	9238	3160	519
7.0000E+07	1.4800E-04	7.2000E+07	4.5100E-04	7.4000E+07	1.0200E-03	9238	3160	520
7.6000E+07	1.9400E-03	7.8000E+07	3.0600E-03	8.0000E+07	4.4200E-03	9238	3160	521
8.5000E+07	7.5800E-03	9.0000E+07	9.5400E-03	9.5000E+07	1.0300E-02	9238	3160	522
1.0000E+08	1.0700E-02					9238	3160	523
						9238	3161	524
9.2238E+04	2.3800E+02	0	0	0		09238	3161	525
-5.2218E+07	-5.2218E+07	0	0	1		159238	3161	526
	15	2				9238	3161	527
5.2437E+07	0.0000E+00	6.2000E+07	7.3000E-14	6.4000E+07	1.4000E-11	9238	3161	528
6.6000E+07	4.2300E-10	6.8000E+07	7.9900E-09	7.0000E+07	1.0400E-07	9238	3161	529
7.2000E+07	1.0500E-06	7.4000E+07	6.4700E-06	7.6000E+07	3.0600E-05	9238	3161	530
7.8000E+07	9.4900E-05	8.0000E+07	2.5000E-04	8.5000E+07	1.2600E-03	9238	3161	531
9.0000E+07	3.0100E-03	9.5000E+07	4.7600E-03	1.0000E+08	5.8900E-03	9238	3161	532

						9238	3	0	533
9.2238E+04	2.3800E+02	0	0	0	0	09238	3162	534	
-5.9273E+07	-5.9273E+07	0	0	1	1	129238	3162	535	
12	2					9238	3162	536	
5.9522E+07	0.0000E+00	6.8000E+07	2.5500E-18	7.0000E+07	2.6200E-14	9238	3162	537	
7.2000E+07	3.8800E-12	7.4000E+07	1.2400E-10	7.6000E+07	2.5900E-09	9238	3162	538	
7.8000E+07	2.9200E-08	8.0000E+07	2.5800E-07	8.5000E+07	1.3300E-05	9238	3162	539	
9.0000E+07	1.4900E-04	9.5000E+07	6.3500E-04	1.0000E+08	1.4800E-03	9238	3162	540	
						9238	3	0	541
9.2238E+04	2.3800E+02	0	0	0	0	09238	3174	542	
-1.1970E+07	-1.1970E+07	0	0	1	1	359238	3174	543	
35	2					9238	3174	544	
1.2021E+07	0.0000E+00	3.1000E+07	4.9700E-12	3.2000E+07	3.1500E-09	9238	3174	545	
3.3000E+07	5.3600E-08	3.4000E+07	2.0700E-07	3.5000E+07	5.6800E-07	9238	3174	546	
3.6000E+07	1.2500E-06	3.7000E+07	2.6500E-06	3.8000E+07	5.2600E-06	9238	3174	547	
3.9000E+07	9.6700E-06	4.0000E+07	2.9947E-05	4.2000E+07	7.0500E-05	9238	3174	548	
4.4000E+07	1.9400E-04	4.6000E+07	4.4700E-04	4.8000E+07	8.3100E-04	9238	3174	549	
5.0000E+07	1.2800E-03	5.2000E+07	1.7700E-03	5.4000E+07	2.3500E-03	9238	3174	550	
5.6000E+07	2.8900E-03	5.8000E+07	3.3700E-03	6.0000E+07	3.7100E-03	9238	3174	551	
6.2000E+07	3.9900E-03	6.4000E+07	4.2200E-03	6.6000E+07	4.3500E-03	9238	3174	552	
6.8000E+07	4.4800E-03	7.0000E+07	4.6000E-03	7.2000E+07	4.6300E-03	9238	3174	553	
7.4000E+07	4.7300E-03	7.6000E+07	4.7600E-03	7.8000E+07	4.7500E-03	9238	3174	554	
8.0000E+07	4.7600E-03	8.5000E+07	4.7100E-03	9.0000E+07	4.7300E-03	9238	3174	555	
9.5000E+07	4.7000E-03	1.0000E+08	4.6500E-03			9238	3174	556	
						9238	3	0	557
9.2238E+04	2.3800E+02	0	0	0	0	09238	3175	558	
8.8037E+06	8.8037E+06	0	0	1	1	589238	3175	559	
58	2					9238	3175	560	
1.0000E-05	0.0000E+00	7.0000E+06	3.9000E-09	8.0000E+06	5.4100E-08	9238	3175	561	
9.0000E+06	2.9300E-07	1.0000E+07	1.2000E-06	1.1000E+07	4.2600E-06	9238	3175	562	
1.2000E+07	1.3300E-05	1.3000E+07	3.7000E-05	1.4000E+07	9.0600E-05	9238	3175	563	
1.5000E+07	1.9300E-04	1.6000E+07	3.6000E-04	1.7000E+07	5.9200E-04	9238	3175	564	
1.8000E+07	8.6300E-04	1.9000E+07	1.1300E-03	2.0000E+07	1.3300E-03	9238	3175	565	
2.1000E+07	1.4700E-03	2.2000E+07	1.5400E-03	2.3000E+07	1.5700E-03	9238	3175	566	
2.4000E+07	1.5800E-03	2.5000E+07	1.5500E-03	2.6000E+07	1.5100E-03	9238	3175	567	
2.7000E+07	1.4500E-03	2.8000E+07	1.3700E-03	2.9000E+07	1.2900E-03	9238	3175	568	
3.0000E+07	1.2100E-03	3.1000E+07	1.1300E-03	3.2000E+07	1.0500E-03	9238	3175	569	
3.3000E+07	9.7500E-04	3.4000E+07	9.0800E-04	3.5000E+07	8.4500E-04	9238	3175	570	
3.6000E+07	7.8500E-04	3.7000E+07	7.2600E-04	3.8000E+07	6.7100E-04	9238	3175	571	
3.9000E+07	6.1800E-04	4.0000E+07	5.2700E-04	4.2000E+07	4.3900E-04	9238	3175	572	
4.4000E+07	3.7400E-04	4.6000E+07	3.1700E-04	4.8000E+07	2.7400E-04	9238	3175	573	
5.0000E+07	2.4100E-04	5.2000E+07	2.3100E-04	5.4000E+07	2.6600E-04	9238	3175	574	
5.6000E+07	3.9400E-04	5.8000E+07	6.5700E-04	6.0000E+07	1.0100E-03	9238	3175	575	
6.2000E+07	1.3800E-03	6.4000E+07	1.8300E-03	6.6000E+07	2.2600E-03	9238	3175	576	
6.8000E+07	2.6200E-03	7.0000E+07	2.9400E-03	7.2000E+07	3.1800E-03	9238	3175	577	
7.4000E+07	3.3700E-03	7.6000E+07	3.4900E-03	7.8000E+07	3.5700E-03	9238	3175	578	
8.0000E+07	3.6600E-03	8.5000E+07	3.6400E-03	9.0000E+07	3.5500E-03	9238	3175	579	
9.5000E+07	3.5100E-03					9238	3175	580	
						9238	3	0	581
9.2238E+04	2.3800E+02	0	0	0	0	09238	3176	582	
4.2701E+06	4.2701E+06	0	0	1	1	539238	3176	583	
53	2					9238	3176	584	
1.0000E-05	0.0000E+00	1.2000E+07	6.3000E-08	1.3000E+07	4.5200E-07	9238	3176	585	
1.4000E+07	1.8900E-06	1.5000E+07	6.9600E-06	1.6000E+07	2.2300E-05	9238	3176	586	
1.7000E+07	6.2600E-05	1.8000E+07	1.6300E-04	1.9000E+07	3.7000E-04	9238	3176	587	
2.0000E+07	7.1500E-04	2.1000E+07	1.2000E-03	2.2000E+07	1.7400E-03	9238	3176	588	
2.3000E+07	2.4200E-03	2.4000E+07	3.1500E-03	2.5000E+07	3.8800E-03	9238	3176	589	
2.6000E+07	4.5300E-03	2.7000E+07	5.0200E-03	2.8000E+07	5.3400E-03	9238	3176	590	
2.9000E+07	5.4900E-03	3.0000E+07	5.5000E-03	3.1000E+07	5.4300E-03	9238	3176	591	
3.2000E+07	5.3200E-03	3.3000E+07	5.1200E-03	3.4000E+07	4.8600E-03	9238	3176	592	
3.5000E+07	4.6000E-03	3.6000E+07	4.3200E-03	3.7000E+07	4.0500E-03	9238	3176	593	
3.8000E+07	3.7800E-03	3.9000E+07	3.5100E-03	4.0000E+07	2.7400E-03	9238	3176	594	
4.2000E+07	2.3500E-03	4.4000E+07	1.9600E-03	4.6000E+07	1.6500E-03	9238	3176	595	
4.8000E+07	1.3800E-03	5.0000E+07	1.1700E-03	5.2000E+07	1.0100E-03	9238	3176	596	
5.4000E+07	8.6000E-04	5.6000E+07	7.1800E-04	5.8000E+07	5.9800E-04	9238	3176	597	
6.0000E+07	5.0100E-04	6.2000E+07	4.3800E-04	6.4000E+07	4.2400E-04	9238	3176	598	
6.6000E+07	4.9300E-04	6.8000E+07	6.5600E-04	7.0000E+07	9.2000E-04	9238	3176	599	

7.2000E+07	1.2400E-03	7.4000E+07	1.6800E-03	7.6000E+07	2.1300E-03	9238	3176	600
7.8000E+07	2.5800E-03	8.0000E+07	3.6800E-03	8.5000E+07	4.4000E-03	9238	3176	601
9.0000E+07	4.7200E-03	9.5000E+07	4.8300E-03			9238	3176	602
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3177	604
-1.9219E+06	-1.9219E+06	0	0	1		479238	3177	605
47	2					9238	3177	606
1.9300E+06	0.0000E+00	1.8000E+07	1.4300E-09	1.9000E+07	1.1000E-07	9238	3177	607
2.0000E+07	6.4300E-07	2.1000E+07	2.4800E-06	2.2000E+07	7.9400E-06	9238	3177	608
2.3000E+07	2.5200E-05	2.4000E+07	7.0700E-05	2.5000E+07	1.8500E-04	9238	3177	609
2.6000E+07	4.2000E-04	2.7000E+07	8.2700E-04	2.8000E+07	1.4200E-03	9238	3177	610
2.9000E+07	2.1800E-03	3.0000E+07	3.0600E-03	3.1000E+07	3.9300E-03	9238	3177	611
3.2000E+07	4.7100E-03	3.3000E+07	5.3700E-03	3.4000E+07	5.8400E-03	9238	3177	612
3.5000E+07	6.1200E-03	3.6000E+07	6.2500E-03	3.7000E+07	6.2400E-03	9238	3177	613
3.8000E+07	6.1100E-03	3.9000E+07	5.9100E-03	4.0000E+07	5.2500E-03	9238	3177	614
4.2000E+07	4.5900E-03	4.4000E+07	3.9400E-03	4.6000E+07	3.4300E-03	9238	3177	615
4.8000E+07	2.9500E-03	5.0000E+07	2.4900E-03	5.2000E+07	2.0900E-03	9238	3177	616
5.4000E+07	1.7400E-03	5.6000E+07	1.4500E-03	5.8000E+07	1.2300E-03	9238	3177	617
6.0000E+07	1.0500E-03	6.2000E+07	8.8400E-04	6.4000E+07	7.3500E-04	9238	3177	618
6.6000E+07	6.0100E-04	6.8000E+07	4.7400E-04	7.0000E+07	3.7000E-04	9238	3177	619
7.2000E+07	2.8500E-04	7.4000E+07	2.2900E-04	7.6000E+07	2.3100E-04	9238	3177	620
7.8000E+07	3.0500E-04	8.0000E+07	7.9100E-04	8.5000E+07	1.4400E-03	9238	3177	621
9.0000E+07	2.2100E-03	9.5000E+07	2.9100E-03			9238	3	0
						9238	3178	623
9.2238E+04	2.3800E+02	0	0	0		09238	3178	624
-6.7085E+06	-6.7085E+06	0	0	1		439238	3178	625
43	2					9238	3178	626
6.7367E+06	0.0000E+00	2.3000E+07	6.1000E-10	2.4000E+07	4.6600E-08	9238	3178	627
2.5000E+07	4.2200E-07	2.6000E+07	1.8200E-06	2.7000E+07	5.8700E-06	9238	3178	628
2.8000E+07	1.7800E-05	2.9000E+07	5.0600E-05	3.0000E+07	1.3900E-04	9238	3178	629
3.1000E+07	3.3500E-04	3.2000E+07	6.7700E-04	3.3000E+07	1.2500E-03	9238	3178	630
3.4000E+07	2.0200E-03	3.5000E+07	2.9200E-03	3.6000E+07	3.9500E-03	9238	3178	631
3.7000E+07	5.0900E-03	3.8000E+07	6.2400E-03	3.9000E+07	7.3400E-03	9238	3178	632
4.0000E+07	8.0133E-03	4.2000E+07	9.3600E-03	4.4000E+07	9.8500E-03	9238	3178	633
4.6000E+07	9.5900E-03	4.8000E+07	8.9400E-03	5.0000E+07	7.9900E-03	9238	3178	634
5.2000E+07	7.0200E-03	5.4000E+07	6.1400E-03	5.6000E+07	5.3000E-03	9238	3178	635
5.8000E+07	4.5100E-03	6.0000E+07	3.8000E-03	6.2000E+07	3.2000E-03	9238	3178	636
6.4000E+07	2.7000E-03	6.6000E+07	2.2800E-03	6.8000E+07	1.9400E-03	9238	3178	637
7.0000E+07	1.6400E-03	7.2000E+07	1.3900E-03	7.4000E+07	1.1100E-03	9238	3178	638
7.6000E+07	9.0300E-04	7.8000E+07	7.0200E-04	8.0000E+07	5.3600E-04	9238	3178	639
8.5000E+07	2.4000E-04	9.0000E+07	3.5900E-04	9.5000E+07	8.2400E-04	9238	3178	640
1.0000E+08	1.5100E-03					9238	3178	641
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3179	643
-1.3145E+07	-1.3145E+07	0	0	1		379238	3179	644
37	2					9238	3179	645
1.3200E+07	0.0000E+00	2.9000E+07	6.5600E-13	3.0000E+07	7.8000E-10	9238	3179	646
3.1000E+07	2.0800E-08	3.2000E+07	1.5100E-07	3.3000E+07	6.9200E-07	9238	3179	647
3.4000E+07	2.4200E-06	3.5000E+07	7.1500E-06	3.6000E+07	2.0200E-05	9238	3179	648
3.7000E+07	5.3000E-05	3.8000E+07	1.2900E-04	3.9000E+07	2.8200E-04	9238	3179	649
4.0000E+07	7.0133E-04	4.2000E+07	1.5400E-03	4.4000E+07	3.1600E-03	9238	3179	650
4.6000E+07	5.0900E-03	4.8000E+07	6.6300E-03	5.0000E+07	7.6500E-03	9238	3179	651
5.2000E+07	7.9400E-03	5.4000E+07	7.7200E-03	5.6000E+07	7.1900E-03	9238	3179	652
5.8000E+07	6.4400E-03	6.0000E+07	5.7100E-03	6.2000E+07	4.9700E-03	9238	3179	653
6.4000E+07	4.2900E-03	6.6000E+07	3.6700E-03	6.8000E+07	3.1000E-03	9238	3179	654
7.0000E+07	2.5900E-03	7.2000E+07	2.1800E-03	7.4000E+07	1.9000E-03	9238	3179	655
7.6000E+07	1.6300E-03	7.8000E+07	1.3700E-03	8.0000E+07	1.1600E-03	9238	3179	656
8.5000E+07	6.7800E-04	9.0000E+07	3.1600E-04	9.5000E+07	1.2100E-04	9238	3179	657
1.0000E+08	1.6300E-04					9238	3179	658
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3180	660
-1.8266E+07	-1.8266E+07	0	0	1		319238	3180	661
31	2					9238	3180	662
1.8343E+07	0.0000E+00	3.5000E+07	1.6500E-11	3.6000E+07	1.3300E-09	9238	3180	663
3.7000E+07	2.0600E-08	3.8000E+07	1.3300E-07	3.9000E+07	5.6100E-07	9238	3180	664
4.0000E+07	4.6073E-06	4.2000E+07	1.2700E-05	4.4000E+07	7.8200E-05	9238	3180	665
4.6000E+07	3.7200E-04	4.8000E+07	1.0900E-03	5.0000E+07	2.4500E-03	9238	3180	666

5.2000E+07	4.2400E-03	5.4000E+07	6.0900E-03	5.6000E+07	7.7600E-03	9238	3180	667
5.8000E+07	8.9400E-03	6.0000E+07	9.2600E-03	6.2000E+07	9.1800E-03	9238	3180	668
6.4000E+07	8.7000E-03	6.6000E+07	7.8900E-03	6.8000E+07	7.0600E-03	9238	3180	669
7.0000E+07	6.1900E-03	7.2000E+07	5.3900E-03	7.4000E+07	4.6700E-03	9238	3180	670
7.6000E+07	4.0100E-03	7.8000E+07	3.3900E-03	8.0000E+07	2.8900E-03	9238	3180	671
8.5000E+07	1.9000E-03	9.0000E+07	1.2400E-03	9.5000E+07	7.1600E-04	9238	3180	672
1.0000E+08	3.2700E-04					9238	3180	673
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3181	675
-2.5057E+07	-2.5057E+07	0	0	1		259238	3181	676
	25	2				9238	3181	677
2.5163E+07	0.0000E+00	4.2000E+07	2.0800E-11	4.4000E+07	3.0900E-09	9238	3181	678
4.6000E+07	9.8700E-08	4.8000E+07	1.0400E-06	5.0000E+07	8.2600E-06	9238	3181	679
5.2000E+07	5.0600E-05	5.4000E+07	2.1100E-04	5.6000E+07	6.2200E-04	9238	3181	680
5.8000E+07	1.3900E-03	6.0000E+07	2.6200E-03	6.2000E+07	3.9300E-03	9238	3181	681
6.4000E+07	5.1200E-03	6.6000E+07	5.9900E-03	6.8000E+07	6.4100E-03	9238	3181	682
7.0000E+07	6.4400E-03	7.2000E+07	6.1900E-03	7.4000E+07	5.7500E-03	9238	3181	683
7.6000E+07	5.2300E-03	7.8000E+07	4.6300E-03	8.0000E+07	4.1000E-03	9238	3181	684
8.5000E+07	2.7800E-03	9.0000E+07	1.8600E-03	9.5000E+07	1.2500E-03	9238	3181	685
1.0000E+08	7.9900E-04					9238	3181	686
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3182	688
-3.0306E+07	-3.0306E+07	0	0	1		229238	3182	689
	22	2				9238	3182	690
3.0433E+07	0.0000E+00	4.8000E+07	6.6000E-12	5.0000E+07	2.3800E-09	9238	3182	691
5.2000E+07	5.5000E-08	5.4000E+07	6.0300E-07	5.6000E+07	4.1300E-06	9238	3182	692
5.8000E+07	2.2800E-05	6.0000E+07	9.7800E-05	6.2000E+07	3.2100E-04	9238	3182	693
6.4000E+07	8.0400E-04	6.6000E+07	1.5900E-03	6.8000E+07	2.6200E-03	9238	3182	694
7.0000E+07	3.8100E-03	7.2000E+07	4.8100E-03	7.4000E+07	5.5900E-03	9238	3182	695
7.6000E+07	6.1100E-03	7.8000E+07	6.2900E-03	8.0000E+07	6.2300E-03	9238	3182	696
8.5000E+07	5.2500E-03	9.0000E+07	3.9500E-03	9.5000E+07	2.7700E-03	9238	3182	697
1.0000E+08	1.9100E-03					9238	3182	698
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3183	700
-3.7426E+07	-3.7426E+07	0	0	1		199238	3183	701
	19	2				9238	3183	702
3.7583E+07	0.0000E+00	5.4000E+07	1.1100E-15	5.6000E+07	4.5800E-12	9238	3183	703
5.8000E+07	3.9700E-10	6.0000E+07	7.2500E-09	6.2000E+07	9.3200E-08	9238	3183	704
6.4000E+07	7.9400E-07	6.6000E+07	4.8700E-06	6.8000E+07	2.3400E-05	9238	3183	705
7.0000E+07	9.0300E-05	7.2000E+07	2.2800E-04	7.4000E+07	4.7300E-04	9238	3183	706
7.6000E+07	8.4900E-04	7.8000E+07	1.3700E-03	8.0000E+07	1.8500E-03	9238	3183	707
8.5000E+07	2.8300E-03	9.0000E+07	2.9300E-03	9.5000E+07	2.4500E-03	9238	3183	708
1.0000E+08	1.8600E-03					9238	3183	709
						9238	3	0
						9238	0	0
						0	0	0
						-1	0	0
						0	0	0
Np-237	WIND							
9.3237E+04	2.3700E+02	-1	0	99		19337	1451	1
0.0000E+00	0.0000E+00	0	0	0		69337	1451	2
1.0000E+00	0.0000E+00	0	0	10		29337	1451	3
0.0000E+00	0.0000E+00	0	0	67		339337	1451	4
93-Np-237	INPE	EVAL-SEP94	YU.A.KOROVIN	ET.AL.		9337	1451	5
		DIST-OCT94				9337	1451	6
----	WIND	MATERIAL	9337			9337	1451	7
-----	INCIDENT-NEUTRON	DATA				9337	1451	8
-----	ENDF-6	FORMAT				9337	1451	9
AUTHORS OF EVALUATION:	A.YU.KONOBAYEV,	YU.A.KOROVIN,				9337	1451	10
	P.E.PERESLAVTSEV,	V.I.PLYASKIN				9337	1451	11
						9337	1451	12
FILE OF ACTINIDE DATA	LIBRARY	WIND				9337	1451	13
ENERGY OF PROJECTILE:	0-100	MEV				9337	1451	14
REFERENCE:	KERNTECHNIK,	1994,	V.59,	P.87		9337	1451	15
						9337	1451	16
CONTENT OF FILE:						9337	1451	17
						9337	1451	18
MF = 1	GENERAL	INFORMATION				9337	1451	19

MT = 451	COMMENTS AND DICTIONARY			9337	1451	20	
				9337	1451	21	
				9337	1451	22	
MF = 3	NEUTRON CROSS-SECTIONS			9337	1451	23	
				9337	1451	24	
(N,2N)	REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM ENDF/B-VI			9337	1451	25	
(N,3N)	REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM ENDF/B-VI			9337	1451	26	
(N,F)	REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM ENDF/B-VI			9337	1451	27	
	THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR			9337	1451	28	
	SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA			9337	1451	29	
	AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION			9337	1451	30	
	IS AVAILABLE FROM THE AUTHORS AFTER REQUEST			9337	1451	31	
				9337	1451	32	
	MT=16,17,18,37,103,111 ARE STANDARD ENDF-6 SECTIONS,			9337	1451	33	
	OTHER MT NUMBERS ARE NEW ASSIGNED			9337	1451	34	
	IN FOLLOWING DESCRIPTION "(N,X)" MEANS SUM CROSS-SECTIONS OF			9337	1451	35	
	ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT			9337	1451	36	
	RADIOACTIVE DECAY TAKEN INTO ACCOUNT			9337	1451	37	
				9337	1451	38	
MT = 16	(N,2N)	CROSS-SECTION	(Np236 PRODUCTION)	9337	1451	39	
MT = 17	(N,3N)	CROSS-SECTION	(Np235 PRODUCTION)	9337	1451	40	
MT = 18	(N,F) FISSION	CROSS-SECTION		9337	1451	41	
MT = 37	(N,4N)	CROSS-SECTION	(Np234 PRODUCTION)	9337	1451	42	
MT =103	(N,P)	CROSS-SECTION	(U237 PRODUCTION)	9337	1451	43	
MT =111	(N,2P)	CROSS-SECTION	(Pa236 PRODUCTION)	9337	1451	44	
MT =121	(N,5N)	CROSS-SECTION	(Np233 PRODUCTION)	9337	1451	45	
MT =122	(N,6N)	CROSS-SECTION	(Np232 PRODUCTION)	9337	1451	46	
MT =123	(N,7N)	CROSS-SECTION	(Np231 PRODUCTION)	9337	1451	47	
MT =124	(N,8N)	CROSS-SECTION	(Np230 PRODUCTION)	9337	1451	48	
MT =125	(N,9N)	CROSS-SECTION	(Np229 PRODUCTION)	9337	1451	49	
MT =126	(N,10N)	CROSS-SECTION	(Np228 PRODUCTION)	9337	1451	50	
MT =153	(N,NP) + (N,D)	CROSS-SECTION	(U236 PRODUCTION)	9337	1451	51	
MT =154	(N,2NP) + (N,ND)	CROSS-SECTION	(U235 PRODUCTION)	9337	1451	52	
MT =155	(N,3NP) + (N,2ND)	CROSS-SECTION	(U234 PRODUCTION)	9337	1451	53	
MT =156	(N,4NP) + (N,3ND)	CROSS-SECTION	(U233 PRODUCTION)	9337	1451	54	
MT =157	(N,5NP) + (N,4ND)	CROSS-SECTION	(U232 PRODUCTION)	9337	1451	55	
MT =158	(N,6NP) + (N,5ND)	CROSS-SECTION	(U231 PRODUCTION)	9337	1451	56	
MT =159	(N,7NP) + (N,6ND)	CROSS-SECTION	(U230 PRODUCTION)	9337	1451	57	
MT =160	(N,8NP) + (N,7ND)	CROSS-SECTION	(U229 PRODUCTION)	9337	1451	58	
MT =161	(N,9NP) + (N,8ND)	CROSS-SECTION	(U228 PRODUCTION)	9337	1451	59	
MT =162	(N,10NP) + (N,9ND)	CROSS-SECTION	(U227 PRODUCTION)	9337	1451	60	
MT =174	(N,N2P) + (N,PD)	CROSS-SECTION	(Pa235 PRODUCTION)	9337	1451	61	
MT =175	(N,2N2P) + (N,X)	CROSS-SECTION	(Pa234 PRODUCTION)	9337	1451	62	
MT =176	(N,3N2P) + (N,X)	CROSS-SECTION	(Pa233 PRODUCTION)	9337	1451	63	
MT =177	(N,4N2P) + (N,X)	CROSS-SECTION	(Pa232 PRODUCTION)	9337	1451	64	
MT =178	(N,5N2P) + (N,X)	CROSS-SECTION	(Pa231 PRODUCTION)	9337	1451	65	
MT =179	(N,6N2P) + (N,X)	CROSS-SECTION	(Pa230 PRODUCTION)	9337	1451	66	
MT =180	(N,7N2P) + (N,X)	CROSS-SECTION	(Pa229 PRODUCTION)	9337	1451	67	
MT =181	(N,8N2P) + (N,X)	CROSS-SECTION	(Pa228 PRODUCTION)	9337	1451	68	
MT =182	(N,9N2P) + (N,X)	CROSS-SECTION	(Pa227 PRODUCTION)	9337	1451	69	
MT =183	(N,10N2P) + (N,X)	CROSS-SECTION	(Pa226 PRODUCTION)	9337	1451	70	
				9337	1451	71	
		1	451	104	19337	1451	72
		3	16	38	19337	1451	73
		3	17	29	19337	1451	74
		3	18	86	19337	1451	75
		3	37	19	19337	1451	76
		3	103	23	19337	1451	77
		3	111	18	19337	1451	78
		3	121	17	19337	1451	79
		3	122	14	19337	1451	80
		3	123	12	19337	1451	81
		3	124	10	19337	1451	82
		3	125	9	19337	1451	83
		3	126	8	19337	1451	84
		3	153	21	19337	1451	85
		3	154	19	19337	1451	86

			3	155	17	19337	1451	87
			3	156	15	19337	1451	88
			3	157	13	19337	1451	89
			3	158	11	19337	1451	90
			3	159	10	19337	1451	91
			3	160	9	19337	1451	92
			3	161	7	19337	1451	93
			3	162	6	19337	1451	94
			3	174	16	19337	1451	95
			3	175	23	19337	1451	96
			3	176	22	19337	1451	97
			3	177	20	19337	1451	98
			3	178	18	19337	1451	99
			3	179	15	19337	1451	100
			3	180	13	19337	1451	101
			3	181	11	19337	1451	102
			3	182	10	19337	1451	103
			3	183	9	19337	1451	104
						9337	1	0
						9337	0	0
9.3237E+04	2.3700E+02		0	0	0	09337	3	16
-6.5731E+06	-6.5731E+06		0	0	1	1059337	3	16
			105	2		9337	3	16
6.6010E+06	0.0000E+00	6.6784E+06	5.9377E-03	6.7000E+06	8.9944E-03	9337	3	16
6.7500E+06	2.0000E-02	6.8000E+06	3.4516E-02	6.8500E+06	5.2971E-02	9337	3	16
6.9000E+06	7.2167E-02	6.9500E+06	8.8909E-02	7.0000E+06	1.0000E-01	9337	3	16
7.2500E+06	1.3600E-01	7.5000E+06	1.7200E-01	7.7500E+06	1.7800E-01	9337	3	16
8.0000E+06	1.8400E-01	8.2500E+06	2.2500E-01	8.5000E+06	2.6700E-01	9337	3	16
8.7500E+06	2.9600E-01	9.0000E+06	3.2500E-01	9.2500E+06	3.4299E-01	9337	3	16
9.5000E+06	3.7609E-01	9.7500E+06	4.0260E-01	1.0000E+07	4.2421E-01	9337	3	16
1.0250E+07	4.3960E-01	1.0500E+07	4.5019E-01	1.0750E+07	4.5877E-01	9337	3	16
1.1000E+07	4.6789E-01	1.1250E+07	4.7835E-01	1.1500E+07	4.8862E-01	9337	3	16
1.1750E+07	4.9778E-01	1.2000E+07	5.0516E-01	1.2250E+07	5.1001E-01	9337	3	16
1.2500E+07	5.1296E-01	1.2750E+07	5.1482E-01	1.3000E+07	5.1439E-01	9337	3	16
1.3250E+07	5.0921E-01	1.3500E+07	5.0268E-01	1.3750E+07	4.9417E-01	9337	3	16
1.4000E+07	4.8170E-01	1.4250E+07	4.5642E-01	1.4500E+07	4.2456E-01	9337	3	16
1.4750E+07	3.9107E-01	1.5000E+07	3.5612E-01	1.5250E+07	3.3482E-01	9337	3	16
1.5500E+07	3.1365E-01	1.5750E+07	2.9586E-01	1.6000E+07	2.8349E-01	9337	3	16
1.6250E+07	2.6759E-01	1.6500E+07	2.5318E-01	1.6750E+07	2.4057E-01	9337	3	16
1.7000E+07	2.2930E-01	1.7250E+07	2.1820E-01	1.7500E+07	2.0677E-01	9337	3	16
1.7750E+07	1.9579E-01	1.8000E+07	1.8577E-01	1.8250E+07	1.7650E-01	9337	3	16
1.8500E+07	1.6740E-01	1.8750E+07	1.5829E-01	1.9000E+07	1.4906E-01	9337	3	16
1.9250E+07	1.4138E-01	1.9500E+07	1.3632E-01	1.9750E+07	1.3267E-01	9337	3	16
2.0000E+07	1.2949E-01	2.1000E+07	1.1000E-01	2.2000E+07	9.9800E-02	9337	3	16
2.3000E+07	9.3000E-02	2.4000E+07	8.9100E-02	2.5000E+07	8.4500E-02	9337	3	16
2.6000E+07	7.9600E-02	2.7000E+07	7.6400E-02	2.8000E+07	7.3300E-02	9337	3	16
2.9000E+07	7.0700E-02	3.0000E+07	6.8700E-02	3.1000E+07	6.6200E-02	9337	3	16
3.2000E+07	6.4700E-02	3.3000E+07	6.3200E-02	3.4000E+07	6.1800E-02	9337	3	16
3.5000E+07	6.0700E-02	3.6000E+07	5.9500E-02	3.7000E+07	5.8100E-02	9337	3	16
3.8000E+07	5.7200E-02	3.9000E+07	5.6200E-02	4.0000E+07	5.5033E-02	9337	3	16
4.2000E+07	5.2700E-02	4.4000E+07	5.0800E-02	4.6000E+07	4.9300E-02	9337	3	16
4.8000E+07	4.7800E-02	5.0000E+07	4.6500E-02	5.2000E+07	4.5300E-02	9337	3	16
5.4000E+07	4.4300E-02	5.6000E+07	4.3200E-02	5.8000E+07	4.2400E-02	9337	3	16
6.0000E+07	4.1700E-02	6.2000E+07	4.0700E-02	6.4000E+07	3.9700E-02	9337	3	16
6.6000E+07	3.8700E-02	6.8000E+07	3.7800E-02	7.0000E+07	3.6800E-02	9337	3	16
7.2000E+07	3.6000E-02	7.4000E+07	3.5400E-02	7.6000E+07	3.4600E-02	9337	3	16
7.8000E+07	3.3800E-02	8.0000E+07	3.3300E-02	8.5000E+07	3.1600E-02	9337	3	16
9.0000E+07	3.0000E-02	9.5000E+07	2.8600E-02	1.0000E+08	2.7400E-02	9337	3	0
						9337	3	0
9.3237E+04	2.3700E+02		0	0	0	09337	3	17
-1.2314E+07	-1.2314E+07		0	0	1	769337	3	17
			76	2		9337	3	17
1.2366E+07	0.0000E+00	1.2500E+07	8.1836E-06	1.2750E+07	1.1118E-04	9337	3	17
1.3000E+07	8.7737E-04	1.3250E+07	2.6091E-03	1.3500E+07	5.0177E-03	9337	3	17
1.3750E+07	8.0353E-03	1.4000E+07	1.1549E-02	1.4250E+07	1.5441E-02	9337	3	17
1.4500E+07	2.0044E-02	1.4750E+07	2.5526E-02	1.5000E+07	3.1755E-02	9337	3	17
1.5250E+07	4.0471E-02	1.5500E+07	5.1125E-02	1.5750E+07	6.4341E-02	9337	3	17

1.6000E+07	8.1089E-02	1.6250E+07	9.8424E-02	1.6500E+07	1.1662E-019337	3	17	154
1.6750E+07	1.3518E-01	1.7000E+07	1.5264E-01	1.7250E+07	1.6863E-019337	3	17	155
1.7500E+07	1.8404E-01	1.7750E+07	1.9932E-01	1.8000E+07	2.1503E-019337	3	17	156
1.8250E+07	2.3101E-01	1.8500E+07	2.4651E-01	1.8750E+07	2.6134E-019337	3	17	157
1.9000E+07	2.7522E-01	1.9250E+07	2.8756E-01	1.9500E+07	2.9805E-019337	3	17	158
1.9750E+07	3.0613E-01	2.0000E+07	3.1186E-01	2.1000E+07	2.1400E-019337	3	17	159
2.2000E+07	1.9400E-01	2.3000E+07	1.6500E-01	2.4000E+07	1.3800E-019337	3	17	160
2.5000E+07	1.1400E-01	2.6000E+07	9.5400E-02	2.7000E+07	8.2000E-029337	3	17	161
2.8000E+07	7.1700E-02	2.9000E+07	6.3800E-02	3.0000E+07	5.7500E-029337	3	17	162
3.1000E+07	5.2600E-02	3.2000E+07	4.8700E-02	3.3000E+07	4.5200E-029337	3	17	163
3.4000E+07	4.2400E-02	3.5000E+07	4.0100E-02	3.6000E+07	3.8000E-029337	3	17	164
3.7000E+07	3.6100E-02	3.8000E+07	3.4500E-02	3.9000E+07	3.3100E-029337	3	17	165
4.0000E+07	3.1900E-02	4.2000E+07	2.9500E-02	4.4000E+07	2.8100E-029337	3	17	166
4.6000E+07	2.5600E-02	4.8000E+07	2.4000E-02	5.0000E+07	2.3400E-029337	3	17	167
5.2000E+07	2.2900E-02	5.4000E+07	2.2000E-02	5.6000E+07	2.1300E-029337	3	17	168
5.8000E+07	2.0600E-02	6.0000E+07	2.0200E-02	6.2000E+07	1.9900E-029337	3	17	169
6.4000E+07	1.9400E-02	6.6000E+07	1.9000E-02	6.8000E+07	1.8600E-029337	3	17	170
7.0000E+07	1.8600E-02	7.2000E+07	1.8000E-02	7.4000E+07	1.7600E-029337	3	17	171
7.6000E+07	1.7300E-02	7.8000E+07	1.7000E-02	8.0000E+07	1.6400E-029337	3	17	172
8.5000E+07	1.5400E-02	9.0000E+07	1.4900E-02	9.5000E+07	1.4400E-029337	3	17	173
1.0000E+08	1.4000E-02				9337	3	17	174
					9337	3	0	175
9.3237E+04	2.3700E+02	0	0	0	09337	3	18	176
1.9637E+08	1.9637E+08	0	0	1	2479337	3	18	177
	247	2			9337	3	18	178
1.0000E+05	1.6100E-02	1.0150E+05	1.6314E-02	1.0340E+05	1.6584E-029337	3	18	179
1.2500E+05	1.9698E-02	1.3060E+05	2.0541E-02	1.3800E+05	2.1697E-029337	3	18	180
1.4000E+05	2.2018E-02	1.5000E+05	2.3700E-02	1.5870E+05	2.5275E-029337	3	18	181
1.7000E+05	2.7467E-02	1.9080E+05	3.1850E-02	2.0000E+05	3.3900E-029337	3	18	182
2.2000E+05	3.8630E-02	2.2700E+05	4.0454E-02	2.3500E+05	4.2698E-029337	3	18	183
2.5000E+05	4.7500E-02	2.6920E+05	5.5011E-02	2.8000E+05	5.9882E-029337	3	18	184
2.8220E+05	6.0928E-02	2.9400E+05	6.6824E-02	3.0000E+05	7.0000E-029337	3	18	185
3.0630E+05	7.3469E-02	3.2540E+05	8.5500E-02	3.3000E+05	8.8899E-029337	3	18	186
3.3340E+05	9.1572E-02	3.3500E+05	9.2882E-02	3.4000E+05	9.7202E-029337	3	18	187
3.5000E+05	1.0700E-01	3.6150E+05	1.2043E-01	3.6350E+05	1.2301E-019337	3	18	188
3.7060E+05	1.3275E-01	3.7260E+05	1.3566E-01	3.7400E+05	1.3775E-019337	3	18	189
3.7500E+05	1.3925E-01	3.9770E+05	1.7849E-01	4.0000E+05	1.8300E-019337	3	18	190
4.3580E+05	2.6479E-01	4.5390E+05	3.1283E-01	4.6200E+05	3.3541E-019337	3	18	191
4.7000E+05	3.5824E-01	4.8710E+05	4.0838E-01	4.9500E+05	4.3198E-019337	3	18	192
4.9910E+05	4.4429E-01	5.0000E+05	4.4700E-01	5.1620E+05	4.9592E-019337	3	18	193
5.3000E+05	5.3776E-01	5.4500E+05	5.8324E-01	5.4730E+05	5.9020E-019337	3	18	194
5.5000E+05	5.9836E-01	5.5500E+05	6.1346E-01	5.6000E+05	6.2853E-019337	3	18	195
5.9050E+05	7.1929E-01	6.0000E+05	7.4700E-01	6.4670E+05	8.7817E-019337	3	18	196
6.6500E+05	9.2718E-01	6.7500E+05	9.5337E-01	7.0000E+05	1.0170E+009337	3	18	197
7.0800E+05	1.0368E+00	7.2510E+05	1.0780E+00	7.5000E+05	1.1346E+009337	3	18	198
7.5920E+05	1.1543E+00	7.7500E+05	1.1864E+00	8.0000E+05	1.2320E+009337	3	18	199
9.0000E+05	1.3217E+00	9.5000E+05	1.3759E+00	9.9000E+05	1.4592E+009337	3	18	200
1.0000E+06	1.4564E+00	1.0200E+06	1.4179E+00	1.0400E+06	1.4243E+009337	3	18	201
1.0700E+06	1.4349E+00	1.1000E+06	1.4453E+00	1.1500E+06	1.4619E+009337	3	18	202
1.2000E+06	1.4781E+00	1.2500E+06	1.5025E+00	1.3000E+06	1.5279E+009337	3	18	203
1.3500E+06	1.5471E+00	1.4000E+06	1.5626E+00	1.4500E+06	1.5740E+009337	3	18	204
1.5000E+06	1.5852E+00	1.6000E+06	1.6121E+00	1.7000E+06	1.6344E+009337	3	18	205
1.8000E+06	1.6518E+00	1.9000E+06	1.6648E+00	2.0000E+06	1.6763E+009337	3	18	206
2.1000E+06	1.6866E+00	2.2000E+06	1.6915E+00	2.3000E+06	1.6828E+009337	3	18	207
2.3500E+06	1.6709E+00	2.4000E+06	1.6606E+00	2.4500E+06	1.6569E+009337	3	18	208
2.5000E+06	1.6575E+00	2.5500E+06	1.6621E+00	2.6000E+06	1.6683E+009337	3	18	209
2.6500E+06	1.6671E+00	2.7000E+06	1.6639E+00	2.7500E+06	1.6599E+009337	3	18	210
2.8000E+06	1.6560E+00	2.9000E+06	1.6479E+00	3.0000E+06	1.6390E+009337	3	18	211
3.2500E+06	1.6145E+00	3.5000E+06	1.5914E+00	3.7500E+06	1.5728E+009337	3	18	212
4.0000E+06	1.5551E+00	4.2500E+06	1.5360E+00	4.5000E+06	1.5152E+009337	3	18	213
4.7500E+06	1.4956E+00	5.0000E+06	1.4773E+00	5.1000E+06	1.4643E+009337	3	18	214
5.1500E+06	1.4557E+00	5.2000E+06	1.4479E+00	5.2500E+06	1.4422E+009337	3	18	215
5.3000E+06	1.4395E+00	5.3500E+06	1.4393E+00	5.4000E+06	1.4411E+009337	3	18	216
5.4500E+06	1.4444E+00	5.5000E+06	1.4486E+00	5.5500E+06	1.4539E+009337	3	18	217
5.6000E+06	1.4615E+00	5.7000E+06	1.4864E+00	5.7500E+06	1.5051E+009337	3	18	218
5.8000E+06	1.5288E+00	5.9000E+06	1.5913E+00	6.0000E+06	1.6607E+009337	3	18	219
6.1000E+06	1.7210E+00	6.2000E+06	1.7764E+00	6.2500E+06	1.8032E+009337	3	18	220

6.3000E+06	1.8291E+00	6.4000E+06	1.8778E+00	6.5000E+06	1.9243E+00	9337	3	18	221
6.6000E+06	1.9682E+00	6.7000E+06	2.0090E+00	6.7500E+06	2.0280E+00	9337	3	18	222
6.8000E+06	2.0460E+00	6.9000E+06	2.0788E+00	7.0000E+06	2.1077E+00	9337	3	18	223
7.1000E+06	2.1332E+00	7.2000E+06	2.1556E+00	7.2500E+06	2.1658E+00	9337	3	18	224
7.3000E+06	2.1752E+00	7.4000E+06	2.1924E+00	7.5000E+06	2.2077E+00	9337	3	18	225
7.6000E+06	2.2213E+00	7.7000E+06	2.2330E+00	7.7500E+06	2.2380E+00	9337	3	18	226
7.8000E+06	2.2426E+00	7.9000E+06	2.2498E+00	8.0000E+06	2.2555E+00	9337	3	18	227
8.1000E+06	2.2593E+00	8.2000E+06	2.2604E+00	8.2500E+06	2.2596E+00	9337	3	18	228
8.3000E+06	2.2577E+00	8.4000E+06	2.2505E+00	8.5000E+06	2.2402E+00	9337	3	18	229
8.6000E+06	2.2289E+00	8.7000E+06	2.2175E+00	8.7500E+06	2.2120E+00	9337	3	18	230
8.8000E+06	2.2068E+00	8.9000E+06	2.1974E+00	9.0000E+06	2.1887E+00	9337	3	18	231
9.2500E+06	2.1682E+00	9.5000E+06	2.1512E+00	9.7500E+06	2.1377E+00	9337	3	18	232
1.0000E+07	2.1292E+00	1.0250E+07	2.1217E+00	1.0500E+07	2.1143E+00	9337	3	18	233
1.0750E+07	2.1070E+00	1.1000E+07	2.0999E+00	1.1250E+07	2.0931E+00	9337	3	18	234
1.1500E+07	2.0866E+00	1.1750E+07	2.0817E+00	1.2000E+07	2.0784E+00	9337	3	18	235
1.2250E+07	2.0761E+00	1.2500E+07	2.0744E+00	1.2750E+07	2.0730E+00	9337	3	18	236
1.3000E+07	2.0745E+00	1.3250E+07	2.0792E+00	1.3500E+07	2.0868E+00	9337	3	18	237
1.3750E+07	2.0970E+00	1.4000E+07	2.1111E+00	1.4250E+07	2.1378E+00	9337	3	18	238
1.4500E+07	2.1684E+00	1.4750E+07	2.1909E+00	1.5000E+07	2.2062E+00	9337	3	18	239
1.5250E+07	2.2197E+00	1.5500E+07	2.2300E+00	1.5750E+07	2.2359E+00	9337	3	18	240
1.6000E+07	2.2362E+00	1.6250E+07	2.2334E+00	1.6500E+07	2.2304E+00	9337	3	18	241
1.6750E+07	2.2272E+00	1.7000E+07	2.2238E+00	1.7250E+07	2.2203E+00	9337	3	18	242
1.7500E+07	2.2166E+00	1.7750E+07	2.2128E+00	1.8000E+07	2.2092E+00	9337	3	18	243
1.8250E+07	2.2056E+00	1.8500E+07	2.2021E+00	1.8750E+07	2.1986E+00	9337	3	18	244
1.9000E+07	2.1951E+00	1.9250E+07	2.1916E+00	1.9500E+07	2.1881E+00	9337	3	18	245
1.9750E+07	2.1846E+00	2.0000E+07	2.1810E+00	2.1000E+07	2.1804E+00	9337	3	18	246
2.2000E+07	2.1847E+00	2.3000E+07	2.1886E+00	2.4000E+07	2.1952E+00	9337	3	18	247
2.5000E+07	2.2019E+00	2.6000E+07	2.2103E+00	2.7000E+07	2.2093E+00	9337	3	18	248
2.8000E+07	2.2034E+00	2.9000E+07	2.1955E+00	3.0000E+07	2.1877E+00	9337	3	18	249
3.1000E+07	2.1834E+00	3.2000E+07	2.1783E+00	3.3000E+07	2.1737E+00	9337	3	18	250
3.4000E+07	2.1687E+00	3.5000E+07	2.1610E+00	3.6000E+07	2.1519E+00	9337	3	18	251
3.7000E+07	2.1434E+00	3.8000E+07	2.1339E+00	3.9000E+07	2.1247E+00	9337	3	18	252
4.0000E+07	2.1174E+00	4.2000E+07	2.1080E+00	4.4000E+07	2.0927E+00	9337	3	18	253
4.6000E+07	2.0765E+00	4.8000E+07	2.0590E+00	5.0000E+07	2.0456E+00	9337	3	18	254
5.2000E+07	2.0317E+00	5.4000E+07	2.0171E+00	5.6000E+07	2.0040E+00	9337	3	18	255
5.8000E+07	1.9906E+00	6.0000E+07	1.9858E+00	6.2000E+07	1.9725E+00	9337	3	18	256
6.4000E+07	1.9605E+00	6.6000E+07	1.9473E+00	6.8000E+07	1.9349E+00	9337	3	18	257
7.0000E+07	1.9232E+00	7.2000E+07	1.9133E+00	7.4000E+07	1.9008E+00	9337	3	18	258
7.6000E+07	1.8899E+00	7.8000E+07	1.8789E+00	8.0000E+07	1.8680E+00	9337	3	18	259
8.5000E+07	1.8415E+00	9.0000E+07	1.8154E+00	9.5000E+07	1.7907E+00	9337	3	18	260
1.0000E+08	1.7664E+00					9337	3	18	261
						9337	3	0	262
9.3237E+04	2.3700E+02	0	0	0	0	9337	3	37	263
-1.9297E+07	-1.9297E+07	0	0	1		469337	3	37	264
46	2					9337	3	37	265
1.9378E+07	0.0000E+00	2.0000E+07	1.0200E-05	2.1000E+07	7.6300E-04	9337	3	37	266
2.2000E+07	4.5800E-03	2.3000E+07	1.2000E-02	2.4000E+07	2.0000E-02	9337	3	37	267
2.5000E+07	2.8300E-02	2.6000E+07	3.5000E-02	2.7000E+07	3.9900E-02	9337	3	37	268
2.8000E+07	4.3100E-02	2.9000E+07	4.3800E-02	3.0000E+07	4.1900E-02	9337	3	37	269
3.1000E+07	3.8200E-02	3.2000E+07	3.3900E-02	3.3000E+07	2.9800E-02	9337	3	37	270
3.4000E+07	2.6000E-02	3.5000E+07	2.3000E-02	3.6000E+07	2.0400E-02	9337	3	37	271
3.7000E+07	1.8100E-02	3.8000E+07	1.6200E-02	3.9000E+07	1.4700E-02	9337	3	37	272
4.0000E+07	1.3467E-02	4.2000E+07	1.1000E-02	4.4000E+07	9.5800E-03	9337	3	37	273
4.6000E+07	8.5100E-03	4.8000E+07	7.7800E-03	5.0000E+07	6.8900E-03	9337	3	37	274
5.2000E+07	6.4500E-03	5.4000E+07	6.0500E-03	5.6000E+07	5.7000E-03	9337	3	37	275
5.8000E+07	5.4100E-03	6.0000E+07	5.1700E-03	6.2000E+07	4.9900E-03	9337	3	37	276
6.4000E+07	4.8500E-03	6.6000E+07	4.6900E-03	6.8000E+07	4.5600E-03	9337	3	37	277
7.0000E+07	4.4200E-03	7.2000E+07	4.3100E-03	7.4000E+07	4.2100E-03	9337	3	37	278
7.6000E+07	4.1200E-03	7.8000E+07	4.0200E-03	8.0000E+07	3.9300E-03	9337	3	37	279
8.5000E+07	3.7000E-03	9.0000E+07	3.5600E-03	9.5000E+07	3.3900E-03	9337	3	37	280
1.0000E+08	3.2500E-03					9337	3	37	281
						9337	3	0	282
9.3237E+04	2.3700E+02	0	0	0	0	9337	3103		283
2.6307E+05	2.6307E+05	0	0	1		599337	3103		284
59	2					9337	3103		285
1.0000E-05	0.0000E+00	7.0000E+06	3.5800E-05	8.0000E+06	1.5900E-04	9337	3103		286
9.0000E+06	4.7900E-04	1.0000E+07	1.1600E-03	1.1000E+07	2.1400E-03	9337	3103		287

1.2000E+07	3.8700E-03	1.3000E+07	6.2000E-03	1.4000E+07	7.9000E-039337	3103	288
1.5000E+07	1.1400E-02	1.6000E+07	1.5300E-02	1.7000E+07	1.9100E-029337	3103	289
1.8000E+07	2.0500E-02	1.9000E+07	2.3500E-02	2.0000E+07	2.6000E-029337	3103	290
2.1000E+07	2.7600E-02	2.2000E+07	2.7600E-02	2.3000E+07	2.8900E-029337	3103	291
2.4000E+07	3.0200E-02	2.5000E+07	3.1300E-02	2.6000E+07	3.1400E-029337	3103	292
2.7000E+07	3.1700E-02	2.8000E+07	3.1700E-02	2.9000E+07	3.1700E-029337	3103	293
3.0000E+07	3.1700E-02	3.1000E+07	3.1500E-02	3.2000E+07	3.1600E-029337	3103	294
3.3000E+07	3.1600E-02	3.4000E+07	3.1400E-02	3.5000E+07	3.1200E-029337	3103	295
3.6000E+07	3.0800E-02	3.7000E+07	3.0300E-02	3.8000E+07	3.0000E-029337	3103	296
3.9000E+07	3.0900E-02	4.0000E+07	3.0600E-02	4.2000E+07	3.0000E-029337	3103	297
4.4000E+07	2.9200E-02	4.6000E+07	2.8300E-02	4.8000E+07	2.7600E-029337	3103	298
5.0000E+07	2.6800E-02	5.2000E+07	2.6000E-02	5.4000E+07	2.5300E-029337	3103	299
5.6000E+07	2.4500E-02	5.8000E+07	2.3800E-02	6.0000E+07	2.3200E-029337	3103	300
6.2000E+07	2.2600E-02	6.4000E+07	2.1700E-02	6.6000E+07	2.1100E-029337	3103	301
6.8000E+07	2.0500E-02	7.0000E+07	1.9900E-02	7.2000E+07	1.9300E-029337	3103	302
7.4000E+07	1.8800E-02	7.6000E+07	1.8300E-02	7.8000E+07	1.7800E-029337	3103	303
8.0000E+07	1.7300E-02	8.5000E+07	1.6200E-02	9.0000E+07	1.5200E-029337	3103	304
9.5000E+07	1.4300E-02	1.0000E+08	1.3500E-02		9337	3103	305
					9337	3	0
					9337	3	0
9.3237E+04	2.3700E+02	0	0	0	09337	3111	307
-7.1775E+06	-7.1775E+06	0	0	1	459337	3111	308
	45	2			9337	3111	309
7.2077E+06	0.0000E+00	2.1000E+07	5.1400E-07	2.2000E+07	3.3700E-069337	3111	310
2.3000E+07	1.3100E-05	2.4000E+07	3.7600E-05	2.5000E+07	8.6500E-059337	3111	311
2.6000E+07	1.5200E-04	2.7000E+07	2.6000E-04	2.8000E+07	4.0000E-049337	3111	312
2.9000E+07	5.7100E-04	3.0000E+07	7.7000E-04	3.1000E+07	9.3100E-049337	3111	313
3.2000E+07	1.1800E-03	3.3000E+07	1.4400E-03	3.4000E+07	1.7300E-039337	3111	314
3.5000E+07	2.0200E-03	3.6000E+07	2.3100E-03	3.7000E+07	2.5300E-039337	3111	315
3.8000E+07	2.8500E-03	3.9000E+07	3.1600E-03	4.0000E+07	3.3800E-039337	3111	316
4.2000E+07	3.8200E-03	4.4000E+07	4.1100E-03	4.6000E+07	4.3800E-039337	3111	317
4.8000E+07	4.5800E-03	5.0000E+07	4.6500E-03	5.2000E+07	4.7800E-039337	3111	318
5.4000E+07	4.8800E-03	5.6000E+07	4.9300E-03	5.8000E+07	4.9800E-039337	3111	319
6.0000E+07	5.0400E-03	6.2000E+07	5.0900E-03	6.4000E+07	5.1200E-039337	3111	320
6.6000E+07	5.1300E-03	6.8000E+07	5.1300E-03	7.0000E+07	5.1900E-039337	3111	321
7.2000E+07	5.2200E-03	7.4000E+07	5.2300E-03	7.6000E+07	5.2400E-039337	3111	322
7.8000E+07	5.2300E-03	8.0000E+07	5.2400E-03	8.5000E+07	5.2400E-039337	3111	323
9.0000E+07	5.2100E-03	9.5000E+07	5.1700E-03	1.0000E+08	5.1600E-039337	3111	324
					9337	3	0
					9337	3	0
9.3237E+04	2.3700E+02	0	0	0	09337	3121	326
-2.5427E+07	-2.5427E+07	0	0	1	409337	3121	327
	40	2			9337	3121	328
2.5535E+07	0.0000E+00	2.6000E+07	5.7000E-10	2.7000E+07	2.3600E-069337	3121	329
2.8000E+07	6.1900E-05	2.9000E+07	3.6400E-04	3.0000E+07	1.0700E-039337	3121	330
3.1000E+07	2.1200E-03	3.2000E+07	3.3000E-03	3.3000E+07	4.4100E-039337	3121	331
3.4000E+07	5.4700E-03	3.5000E+07	6.3100E-03	3.6000E+07	6.9100E-039337	3121	332
3.7000E+07	7.2900E-03	3.8000E+07	7.3500E-03	3.9000E+07	7.1500E-039337	3121	333
4.0000E+07	6.6000E-03	4.2000E+07	5.5000E-03	4.4000E+07	4.4800E-039337	3121	334
4.6000E+07	3.6300E-03	4.8000E+07	3.0500E-03	5.0000E+07	2.6000E-039337	3121	335
5.2000E+07	2.2800E-03	5.4000E+07	2.0200E-03	5.6000E+07	1.8200E-039337	3121	336
5.8000E+07	1.6600E-03	6.0000E+07	1.5400E-03	6.2000E+07	1.4300E-039337	3121	337
6.4000E+07	1.3300E-03	6.6000E+07	1.2500E-03	6.8000E+07	1.1900E-039337	3121	338
7.0000E+07	1.1400E-03	7.2000E+07	1.0900E-03	7.4000E+07	1.0500E-039337	3121	339
7.6000E+07	1.0200E-03	7.8000E+07	9.8400E-04	8.0000E+07	9.5300E-049337	3121	340
8.5000E+07	8.8200E-04	9.0000E+07	8.3500E-04	9.5000E+07	7.9400E-049337	3121	341
1.0000E+08	7.5800E-04				9337	3121	342
					9337	3	0
					9337	3	0
9.3237E+04	2.3700E+02	0	0	0	09337	3122	344
-3.2779E+07	-3.2779E+07	0	0	1	329337	3122	345
	32	2			9337	3122	346
3.2917E+07	0.0000E+00	3.4000E+07	9.3500E-10	3.5000E+07	1.3600E-079337	3122	347
3.6000E+07	2.2400E-06	3.7000E+07	1.5000E-05	3.8000E+07	5.0900E-059337	3122	348
3.9000E+07	1.2700E-04	4.0000E+07	2.7033E-04	4.2000E+07	5.5700E-049337	3122	349
4.4000E+07	8.4800E-04	4.6000E+07	1.0500E-03	4.8000E+07	1.1000E-039337	3122	350
5.0000E+07	1.0500E-03	5.2000E+07	9.3700E-04	5.4000E+07	8.1000E-049337	3122	351
5.6000E+07	6.7000E-04	5.8000E+07	5.7800E-04	6.0000E+07	5.1100E-049337	3122	352
6.2000E+07	4.5100E-04	6.4000E+07	4.0000E-04	6.6000E+07	3.5900E-049337	3122	353
6.8000E+07	3.2800E-04	7.0000E+07	3.0200E-04	7.2000E+07	2.8000E-049337	3122	354

7.4000E+07	2.6300E-04	7.6000E+07	2.4900E-04	7.8000E+07	2.3600E-04	9337	3122	355
8.0000E+07	2.2500E-04	8.5000E+07	2.0000E-04	9.0000E+07	1.8000E-04	9337	3122	356
9.5000E+07	1.6600E-04	1.0000E+08	1.5500E-04			9337	3122	357
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0	0	09337	3123	359
-3.9187E+07	-3.9187E+07	0	0	1	1	259337	3123	360
	25	2				9337	3123	361
3.9352E+07	0.0000E+00	4.2000E+07	4.0400E-09	4.4000E+07	1.9500E-07	9337	3123	362
4.6000E+07	1.5600E-06	4.8000E+07	4.9900E-06	5.0000E+07	1.0600E-05	9337	3123	363
5.2000E+07	1.6300E-05	5.4000E+07	2.1000E-05	5.6000E+07	2.3300E-05	9337	3123	364
5.8000E+07	2.3500E-05	6.0000E+07	2.2600E-05	6.2000E+07	2.0700E-05	9337	3123	365
6.4000E+07	1.8200E-05	6.6000E+07	1.6100E-05	6.8000E+07	1.4200E-05	9337	3123	366
7.0000E+07	1.2700E-05	7.2000E+07	1.1400E-05	7.4000E+07	1.0400E-05	9337	3123	367
7.6000E+07	9.4400E-06	7.8000E+07	8.2300E-06	8.0000E+07	7.5500E-06	9337	3123	368
8.5000E+07	6.5400E-06	9.0000E+07	5.9800E-06	9.5000E+07	5.5000E-06	9337	3123	369
1.0000E+08	5.0500E-06					9337	3123	370
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0	0	09337	3124	372
-4.6865E+07	-4.6865E+07	0	0	1	1	219337	3124	373
	21	2				9337	3124	374
4.7062E+07	0.0000E+00	5.0000E+07	3.3100E-12	5.2000E+07	2.1600E-10	9337	3124	375
5.4000E+07	2.6900E-09	5.6000E+07	1.2600E-08	5.8000E+07	3.3900E-08	9337	3124	376
6.0000E+07	6.1600E-08	6.2000E+07	9.7500E-08	6.4000E+07	1.3500E-07	9337	3124	377
6.6000E+07	1.5900E-07	6.8000E+07	1.7000E-07	7.0000E+07	1.7000E-07	9337	3124	378
7.2000E+07	1.6300E-07	7.4000E+07	1.5200E-07	7.6000E+07	1.3900E-07	9337	3124	379
7.8000E+07	1.2700E-07	8.0000E+07	1.1500E-07	8.5000E+07	9.1300E-08	9337	3124	380
9.0000E+07	7.3600E-08	9.5000E+07	6.2400E-08	1.0000E+08	5.7000E-08	9337	3124	381
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0	0	09337	3125	383
-5.3462E+07	-5.3462E+07	0	0	1	1	189337	3125	384
	18	2				9337	3125	385
5.3688E+07	0.0000E+00	5.6000E+07	1.9400E-16	5.8000E+07	3.6000E-14	9337	3125	386
6.0000E+07	5.0300E-13	6.2000E+07	5.3600E-12	6.4000E+07	3.0900E-11	9337	3125	387
6.6000E+07	9.2400E-11	6.8000E+07	2.0000E-10	7.0000E+07	3.3600E-10	9337	3125	388
7.2000E+07	4.7700E-10	7.4000E+07	5.8900E-10	7.6000E+07	6.6500E-10	9337	3125	389
7.8000E+07	7.0300E-10	8.0000E+07	7.0700E-10	8.5000E+07	6.2900E-10	9337	3125	390
9.0000E+07	5.2400E-10	9.5000E+07	4.2400E-10	1.0000E+08	3.5700E-10	9337	3125	391
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0	0	09337	3126	393
-6.1547E+07	-6.1547E+07	0	0	1	1	149337	3126	394
	14	2				9337	3126	395
6.1807E+07	0.0000E+00	6.4000E+07	2.0200E-22	6.6000E+07	5.6200E-19	9337	3126	396
6.8000E+07	4.9100E-17	7.0000E+07	8.5300E-16	7.2000E+07	6.8700E-15	9337	3126	397
7.4000E+07	2.8800E-14	7.6000E+07	8.4800E-14	7.8000E+07	1.8900E-13	9337	3126	398
8.0000E+07	3.4600E-13	8.5000E+07	7.7900E-13	9.0000E+07	9.9200E-13	9337	3126	399
9.5000E+07	9.7900E-13	1.0000E+08	8.6100E-13			9337	3126	400
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0	0	09337	3153	402
-2.6373E+06	-2.6373E+06	0	0	1	1	549337	3153	403
	54	2				9337	3153	404
2.6484E+06	0.0000E+00	1.2000E+07	7.0200E-04	1.3000E+07	1.3800E-03	9337	3153	405
1.4000E+07	1.8800E-03	1.5000E+07	3.1200E-03	1.6000E+07	4.8200E-03	9337	3153	406
1.7000E+07	7.0600E-03	1.8000E+07	8.4200E-03	1.9000E+07	1.1800E-02	9337	3153	407
2.0000E+07	1.5300E-02	2.1000E+07	1.9400E-02	2.2000E+07	2.2400E-02	9337	3153	408
2.3000E+07	2.7400E-02	2.4000E+07	3.2200E-02	2.5000E+07	3.7000E-02	9337	3153	409
2.6000E+07	4.0200E-02	2.7000E+07	4.4400E-02	2.8000E+07	4.7900E-02	9337	3153	410
2.9000E+07	5.0900E-02	3.0000E+07	5.3600E-02	3.1000E+07	5.4400E-02	9337	3153	411
3.2000E+07	5.6300E-02	3.3000E+07	5.7000E-02	3.4000E+07	5.7800E-02	9337	3153	412
3.5000E+07	5.8200E-02	3.6000E+07	5.8100E-02	3.7000E+07	5.6800E-02	9337	3153	413
3.8000E+07	5.6700E-02	3.9000E+07	5.6700E-02	4.0000E+07	5.4600E-02	9337	3153	414
4.2000E+07	5.0400E-02	4.4000E+07	4.9400E-02	4.6000E+07	4.9100E-02	9337	3153	415
4.8000E+07	4.9500E-02	5.0000E+07	4.9800E-02	5.2000E+07	4.9700E-02	9337	3153	416
5.4000E+07	4.9600E-02	5.6000E+07	4.9200E-02	5.8000E+07	4.9200E-02	9337	3153	417
6.0000E+07	4.9000E-02	6.2000E+07	4.8800E-02	6.4000E+07	4.8600E-02	9337	3153	418
6.6000E+07	4.8400E-02	6.8000E+07	4.8400E-02	7.0000E+07	4.8200E-02	9337	3153	419
7.2000E+07	4.7600E-02	7.4000E+07	4.7600E-02	7.6000E+07	4.7200E-02	9337	3153	420
7.8000E+07	4.6900E-02	8.0000E+07	4.6800E-02	8.5000E+07	4.6400E-02	9337	3153	421

9.0000E+07	4.5900E-02	9.5000E+07	4.5400E-02	1.0000E+08	4.4900E-02	9337	3153	422
						9337	3	0
9.3237E+04	2.3700E+02		0	0	0	09337	3154	424
-9.1834E+06	-9.1834E+06		0	0	1	479337	3154	425
	47					9337	3154	426
9.2221E+06	0.0000E+00	1.9000E+07	6.8400E-07	2.0000E+07	7.1000E-06	9337	3154	427
2.1000E+07	3.5300E-05	2.2000E+07	1.2400E-04	2.3000E+07	3.4500E-04	9337	3154	428
2.4000E+07	7.9700E-04	2.5000E+07	1.5300E-03	2.6000E+07	2.6700E-03	9337	3154	429
2.7000E+07	4.1500E-03	2.8000E+07	6.0100E-03	2.9000E+07	8.1500E-03	9337	3154	430
3.0000E+07	1.0600E-02	3.1000E+07	1.3200E-02	3.2000E+07	1.5600E-02	9337	3154	431
3.3000E+07	1.8000E-02	3.4000E+07	2.0400E-02	3.5000E+07	2.2900E-02	9337	3154	432
3.6000E+07	2.5500E-02	3.7000E+07	2.7500E-02	3.8000E+07	2.9600E-02	9337	3154	433
3.9000E+07	3.1200E-02	4.0000E+07	3.2867E-02	4.2000E+07	3.6200E-02	9337	3154	434
4.4000E+07	3.7200E-02	4.6000E+07	3.7200E-02	4.8000E+07	3.6500E-02	9337	3154	435
5.0000E+07	3.5200E-02	5.2000E+07	3.4500E-02	5.4000E+07	3.3100E-02	9337	3154	436
5.6000E+07	3.2000E-02	5.8000E+07	3.1200E-02	6.0000E+07	3.0500E-02	9337	3154	437
6.2000E+07	2.9700E-02	6.4000E+07	2.9200E-02	6.6000E+07	2.8800E-02	9337	3154	438
6.8000E+07	2.8400E-02	7.0000E+07	2.8100E-02	7.2000E+07	2.7800E-02	9337	3154	439
7.4000E+07	2.7500E-02	7.6000E+07	2.7300E-02	7.8000E+07	2.7000E-02	9337	3154	440
8.0000E+07	2.6600E-02	8.5000E+07	2.6000E-02	9.0000E+07	2.5500E-02	9337	3154	441
9.5000E+07	2.5000E-02	1.0000E+08	2.4300E-02			9337	3154	442
						9337	3	0
9.3237E+04	2.3700E+02		0	0	0	09337	3155	444
-1.4481E+07	-1.4481E+07		0	0	1	429337	3155	445
	42					9337	3155	446
1.4542E+07	0.0000E+00	2.4000E+07	1.2700E-08	2.5000E+07	5.8200E-07	9337	3155	447
2.6000E+07	4.8700E-06	2.7000E+07	2.1900E-05	2.8000E+07	7.6100E-05	9337	3155	448
2.9000E+07	2.0000E-04	3.0000E+07	4.5400E-04	3.1000E+07	8.8100E-04	9337	3155	449
3.2000E+07	1.4900E-03	3.3000E+07	2.3100E-03	3.4000E+07	3.2600E-03	9337	3155	450
3.5000E+07	4.4100E-03	3.6000E+07	5.6900E-03	3.7000E+07	6.9600E-03	9337	3155	451
3.8000E+07	8.3600E-03	3.9000E+07	9.5600E-03	4.0000E+07	1.0873E-02	9337	3155	452
4.2000E+07	1.3500E-02	4.4000E+07	1.5500E-02	4.6000E+07	1.7600E-02	9337	3155	453
4.8000E+07	1.9400E-02	5.0000E+07	2.1100E-02	5.2000E+07	2.2100E-02	9337	3155	454
5.4000E+07	2.3200E-02	5.6000E+07	2.3900E-02	5.8000E+07	2.4400E-02	9337	3155	455
6.0000E+07	2.4600E-02	6.2000E+07	2.4400E-02	6.4000E+07	2.3800E-02	9337	3155	456
6.6000E+07	2.3200E-02	6.8000E+07	2.2500E-02	7.0000E+07	2.1700E-02	9337	3155	457
7.2000E+07	1.9700E-02	7.4000E+07	1.9200E-02	7.6000E+07	1.8800E-02	9337	3155	458
7.8000E+07	1.8300E-02	8.0000E+07	1.8000E-02	8.5000E+07	1.7300E-02	9337	3155	459
9.0000E+07	1.6800E-02	9.5000E+07	1.6300E-02	1.0000E+08	1.6000E-02	9337	3155	460
						9337	3	0
9.3237E+04	2.3700E+02		0	0	0	09337	3156	462
-2.1325E+07	-2.1325E+07		0	0	1	359337	3156	463
	35					9337	3156	464
2.1415E+07	0.0000E+00	3.1000E+07	3.2000E-10	3.2000E+07	2.7400E-08	9337	3156	465
3.3000E+07	3.2400E-07	3.4000E+07	1.8900E-06	3.5000E+07	7.7300E-06	9337	3156	466
3.6000E+07	2.5100E-05	3.7000E+07	6.5800E-05	3.8000E+07	1.4700E-04	9337	3156	467
3.9000E+07	2.5200E-04	4.0000E+07	5.1800E-04	4.2000E+07	1.0500E-03	9337	3156	468
4.4000E+07	1.9100E-03	4.6000E+07	2.8700E-03	4.8000E+07	3.7800E-03	9337	3156	469
5.0000E+07	4.5300E-03	5.2000E+07	5.1500E-03	5.4000E+07	5.6800E-03	9337	3156	470
5.6000E+07	6.1300E-03	5.8000E+07	6.5100E-03	6.0000E+07	6.8900E-03	9337	3156	471
6.2000E+07	7.1800E-03	6.4000E+07	7.4500E-03	6.6000E+07	7.7400E-03	9337	3156	472
6.8000E+07	8.0400E-03	7.0000E+07	8.3100E-03	7.2000E+07	8.7400E-03	9337	3156	473
7.4000E+07	8.8300E-03	7.6000E+07	8.7900E-03	7.8000E+07	8.6300E-03	9337	3156	474
8.0000E+07	8.4200E-03	8.5000E+07	7.7600E-03	9.0000E+07	7.2100E-03	9337	3156	475
9.5000E+07	6.8300E-03	1.0000E+08	6.5100E-03			9337	3156	476
						9337	3	0
9.3237E+04	2.3700E+02		0	0	0	09337	3157	478
-2.7079E+07	-2.7079E+07		0	0	1	299337	3157	479
	29					9337	3157	480
2.7193E+07	0.0000E+00	3.7000E+07	1.1500E-11	3.8000E+07	1.5200E-09	9337	3157	481
3.9000E+07	1.5000E-08	4.0000E+07	8.2000E-07	4.2000E+07	2.4300E-06	9337	3157	482
4.4000E+07	1.8500E-05	4.6000E+07	8.0400E-05	4.8000E+07	2.2300E-04	9337	3157	483
5.0000E+07	4.6200E-04	5.2000E+07	7.5700E-04	5.4000E+07	1.0700E-03	9337	3157	484
5.6000E+07	1.3800E-03	5.8000E+07	1.5900E-03	6.0000E+07	1.8000E-03	9337	3157	485
6.2000E+07	1.9600E-03	6.4000E+07	2.1200E-03	6.6000E+07	2.2500E-03	9337	3157	486
6.8000E+07	2.3600E-03	7.0000E+07	2.4500E-03	7.2000E+07	2.5300E-03	9337	3157	487
7.4000E+07	2.5900E-03	7.6000E+07	2.6500E-03	7.8000E+07	2.7400E-03	9337	3157	488

8.0000E+07	2.8100E-03	8.5000E+07	2.9900E-03	9.0000E+07	3.0700E-03	93337	3157	489
9.5000E+07	2.9800E-03	1.0000E+08	2.8300E-03			9337	3157	490
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3158	492
-3.4334E+07	-3.4334E+07	0	0	1		239337	3158	493
	23	2				9337	3158	494
3.4479E+07	0.0000E+00	4.6000E+07	1.9400E-10	4.8000E+07	1.7800E-08	93337	3158	495
5.0000E+07	3.4400E-07	5.2000E+07	2.4600E-06	5.4000E+07	1.1400E-05	93337	3158	496
5.6000E+07	3.6200E-05	5.8000E+07	8.1300E-05	6.0000E+07	1.5300E-04	93337	3158	497
6.2000E+07	2.3700E-04	6.4000E+07	3.2500E-04	6.6000E+07	4.0400E-04	93337	3158	498
6.8000E+07	4.7100E-04	7.0000E+07	5.2100E-04	7.2000E+07	5.6400E-04	93337	3158	499
7.4000E+07	5.9400E-04	7.6000E+07	6.2500E-04	7.8000E+07	6.5500E-04	93337	3158	500
8.0000E+07	6.8400E-04	8.5000E+07	7.4000E-04	9.0000E+07	7.7800E-04	93337	3158	501
9.5000E+07	8.0600E-04	1.0000E+08	8.4900E-04			9337	3158	502
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3159	504
-4.0232E+07	-4.0232E+07	0	0	1		209337	3159	505
	20	2				9337	3159	506
4.0402E+07	0.0000E+00	5.2000E+07	1.2400E-12	5.4000E+07	2.5800E-10	93337	3159	507
5.6000E+07	7.6900E-09	5.8000E+07	7.9500E-08	6.0000E+07	5.0000E-07	93337	3159	508
6.2000E+07	2.0000E-06	6.4000E+07	5.6500E-06	6.6000E+07	1.2000E-05	93337	3159	509
6.8000E+07	2.1300E-05	7.0000E+07	3.3200E-05	7.2000E+07	4.5100E-05	93337	3159	510
7.4000E+07	5.5400E-05	7.6000E+07	6.4700E-05	7.8000E+07	7.2100E-05	93337	3159	511
8.0000E+07	7.7700E-05	8.5000E+07	8.8100E-05	9.0000E+07	9.6900E-05	93337	3159	512
9.5000E+07	1.0400E-04	1.0000E+08	1.1000E-04			9337	3159	513
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3160	515
-4.7898E+07	-4.7898E+07	0	0	1		169337	3160	516
	16	2				9337	3160	517
4.8100E+07	0.0000E+00	6.0000E+07	6.1500E-15	6.2000E+07	1.6100E-12	93337	3160	518
6.4000E+07	6.5000E-11	6.6000E+07	8.4000E-10	6.8000E+07	6.3700E-09	93337	3160	519
7.0000E+07	3.3800E-08	7.2000E+07	1.1300E-07	7.4000E+07	2.7400E-07	93337	3160	520
7.6000E+07	5.6400E-07	7.8000E+07	9.8500E-07	8.0000E+07	1.4600E-06	93337	3160	521
8.5000E+07	2.8400E-06	9.0000E+07	3.7600E-06	9.5000E+07	4.1200E-06	93337	3160	522
1.0000E+08	4.4500E-06					9337	3160	523
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3161	525
-5.3990E+07	-5.3990E+07	0	0	1		129337	3161	526
	12	2				9337	3161	527
5.4218E+07	0.0000E+00	6.8000E+07	1.5600E-15	7.0000E+07	1.3900E-13	93337	3161	528
7.2000E+07	3.0400E-12	7.4000E+07	2.9600E-11	7.6000E+07	1.8200E-10	93337	3161	529
7.8000E+07	7.7700E-10	8.0000E+07	2.3900E-09	8.5000E+07	1.6900E-08	93337	3161	530
9.0000E+07	4.6000E-08	9.5000E+07	7.5400E-08	1.0000E+08	9.3100E-08	93337	3161	531
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3162	533
-6.2340E+07	-6.2340E+07	0	0	1		99337	3162	534
	9	2				9337	3162	535
6.2603E+07	0.0000E+00	7.4000E+07	3.7100E-21	7.6000E+07	2.1200E-18	93337	3162	536
7.8000E+07	2.0600E-16	8.0000E+07	4.7900E-15	8.5000E+07	1.2200E-12	93337	3162	537
9.0000E+07	2.8100E-11	9.5000E+07	1.8100E-10	1.0000E+08	5.2900E-10	93337	3162	538
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3174	540
-9.8045E+06	-9.8045E+06	0	0	1		389337	3174	541
	38	2				9337	3174	542
9.8459E+06	0.0000E+00	2.8000E+07	4.9100E-12	2.9000E+07	2.0300E-11	93337	3174	543
3.0000E+07	3.3200E-09	3.1000E+07	3.7000E-08	3.2000E+07	1.4800E-07	93337	3174	544
3.3000E+07	4.5100E-07	3.4000E+07	1.0800E-06	3.5000E+07	2.3200E-06	93337	3174	545
3.6000E+07	4.2400E-06	3.7000E+07	8.4000E-06	3.8000E+07	1.6300E-05	93337	3174	546
3.9000E+07	3.2100E-05	4.0000E+07	1.1940E-04	4.2000E+07	2.9400E-04	93337	3174	547
4.4000E+07	5.8800E-04	4.6000E+07	1.1300E-03	4.8000E+07	1.7100E-03	93337	3174	548
5.0000E+07	2.3600E-03	5.2000E+07	2.9800E-03	5.4000E+07	3.5600E-03	93337	3174	549
5.6000E+07	4.0600E-03	5.8000E+07	4.5200E-03	6.0000E+07	4.8000E-03	93337	3174	550
6.2000E+07	4.9500E-03	6.4000E+07	5.0200E-03	6.6000E+07	5.0800E-03	93337	3174	551
6.8000E+07	5.1400E-03	7.0000E+07	5.1500E-03	7.2000E+07	5.1900E-03	93337	3174	552
7.4000E+07	5.1900E-03	7.6000E+07	5.1900E-03	7.8000E+07	5.2900E-03	93337	3174	553
8.0000E+07	5.2500E-03	8.5000E+07	5.2400E-03	9.0000E+07	5.1800E-03	93337	3174	554
9.5000E+07	5.1500E-03	1.0000E+08	5.1200E-03			9337	3174	555

						9337 3 0	556
9.3237E+04	2.3700E+02	0	0	0	0	09337 3175	557
1.0167E+07	1.0167E+07	0	0	1	0	609337 3175	558
60	2					9337 3175	559
1.0000E-05	0.0000E+00	6.0000E+06	2.1700E-08	7.0000E+06	1.4000E-07	9337 3175	560
8.0000E+06	5.9400E-07	9.0000E+06	2.1300E-06	1.0000E+07	6.8200E-06	9337 3175	561
1.1000E+07	2.0000E-05	1.2000E+07	5.3300E-05	1.3000E+07	1.2600E-04	9337 3175	562
1.4000E+07	2.6000E-04	1.5000E+07	4.7000E-04	1.6000E+07	7.5500E-04	9337 3175	563
1.7000E+07	1.0900E-03	1.8000E+07	1.4300E-03	1.9000E+07	1.7000E-03	9337 3175	564
2.0000E+07	1.9700E-03	2.1000E+07	2.0800E-03	2.2000E+07	2.1300E-03	9337 3175	565
2.3000E+07	2.1300E-03	2.4000E+07	2.1000E-03	2.5000E+07	2.0400E-03	9337 3175	566
2.6000E+07	1.9600E-03	2.7000E+07	1.8700E-03	2.8000E+07	1.7600E-03	9337 3175	567
2.9000E+07	1.6500E-03	3.0000E+07	1.5300E-03	3.1000E+07	1.4300E-03	9337 3175	568
3.2000E+07	1.3200E-03	3.3000E+07	1.2300E-03	3.4000E+07	1.1400E-03	9337 3175	569
3.5000E+07	1.0600E-03	3.6000E+07	9.8100E-04	3.7000E+07	9.0600E-04	9337 3175	570
3.8000E+07	8.3400E-04	3.9000E+07	7.6600E-04	4.0000E+07	7.1067E-04	9337 3175	571
4.2000E+07	6.0000E-04	4.4000E+07	4.9900E-04	4.6000E+07	4.2800E-04	9337 3175	572
4.8000E+07	3.7000E-04	5.0000E+07	3.2800E-04	5.2000E+07	3.2000E-04	9337 3175	573
5.4000E+07	3.8200E-04	5.6000E+07	5.4900E-04	5.8000E+07	8.4500E-04	9337 3175	574
6.0000E+07	1.2500E-03	6.2000E+07	1.7400E-03	6.4000E+07	2.1700E-03	9337 3175	575
6.6000E+07	2.6200E-03	6.8000E+07	3.0300E-03	7.0000E+07	3.3500E-03	9337 3175	576
7.2000E+07	3.6400E-03	7.4000E+07	3.8000E-03	7.6000E+07	3.9100E-03	9337 3175	577
7.8000E+07	4.0000E-03	8.0000E+07	4.0300E-03	8.5000E+07	3.9900E-03	9337 3175	578
9.0000E+07	3.9300E-03	9.5000E+07	3.8600E-03	1.0000E+08	3.8200E-03	9337 3175	579
						9337 3 0	580
9.3237E+04	2.3700E+02	0	0	0	0	09337 3176	581
4.9573E+06	4.9573E+06	0	0	1	0	559337 3176	582
55	2					9337 3176	583
1.0000E-05	0.0000E+00	1.1000E+07	1.1700E-07	1.2000E+07	6.5600E-07	9337 3176	584
1.3000E+07	2.1500E-06	1.4000E+07	6.6300E-06	1.5000E+07	1.9700E-05	9337 3176	585
1.6000E+07	5.5500E-05	1.7000E+07	1.4300E-04	1.8000E+07	3.2800E-04	9337 3176	586
1.9000E+07	6.5200E-04	2.0000E+07	1.0300E-03	2.1000E+07	1.6100E-03	9337 3176	587
2.2000E+07	2.2800E-03	2.3000E+07	3.0100E-03	2.4000E+07	3.7700E-03	9337 3176	588
2.5000E+07	4.4900E-03	2.6000E+07	5.1100E-03	2.7000E+07	5.5500E-03	9337 3176	589
2.8000E+07	5.7400E-03	2.9000E+07	5.8700E-03	3.0000E+07	5.8300E-03	9337 3176	590
3.1000E+07	5.7000E-03	3.2000E+07	5.5100E-03	3.3000E+07	5.2700E-03	9337 3176	591
3.4000E+07	4.9700E-03	3.5000E+07	4.6700E-03	3.6000E+07	4.3600E-03	9337 3176	592
3.7000E+07	4.0900E-03	3.8000E+07	3.8000E-03	3.9000E+07	3.5200E-03	9337 3176	593
4.0000E+07	3.2967E-03	4.2000E+07	2.8500E-03	4.4000E+07	2.4400E-03	9337 3176	594
4.6000E+07	2.0500E-03	4.8000E+07	1.7200E-03	5.0000E+07	1.4400E-03	9337 3176	595
5.2000E+07	1.1900E-03	5.4000E+07	1.0000E-03	5.6000E+07	8.4800E-04	9337 3176	596
5.8000E+07	7.2400E-04	6.0000E+07	6.1600E-04	6.2000E+07	5.5200E-04	9337 3176	597
6.4000E+07	5.4700E-04	6.6000E+07	6.2300E-04	6.8000E+07	7.9200E-04	9337 3176	598
7.0000E+07	1.0400E-03	7.2000E+07	1.3700E-03	7.4000E+07	1.7800E-03	9337 3176	599
7.6000E+07	2.2000E-03	7.8000E+07	2.5400E-03	8.0000E+07	2.9400E-03	9337 3176	600
8.5000E+07	3.8200E-03	9.0000E+07	4.2500E-03	9.5000E+07	4.3800E-03	9337 3176	601
1.0000E+08	4.3700E-03					9337 3176	602
						9337 3 0	603
9.3237E+04	2.3700E+02	0	0	0	0	09337 3177	604
-1.5613E+06	-1.5613E+06	0	0	1	0	499337 3177	605
49	2					9337 3177	606
1.5679E+06	0.0000E+00	1.7000E+07	2.9100E-11	1.8000E+07	8.6200E-08	9337 3177	607
1.9000E+07	5.8900E-07	2.0000E+07	1.7700E-06	2.1000E+07	5.3900E-06	9337 3177	608
2.2000E+07	1.4800E-05	2.3000E+07	3.9900E-05	2.4000E+07	1.0400E-04	9337 3177	609
2.5000E+07	2.4300E-04	2.6000E+07	4.9300E-04	2.7000E+07	8.9600E-04	9337 3177	610
2.8000E+07	1.4600E-03	2.9000E+07	2.1200E-03	3.0000E+07	2.8500E-03	9337 3177	611
3.1000E+07	3.6000E-03	3.2000E+07	4.2800E-03	3.3000E+07	4.8500E-03	9337 3177	612
3.4000E+07	5.2700E-03	3.5000E+07	5.5200E-03	3.6000E+07	5.6200E-03	9337 3177	613
3.7000E+07	5.6100E-03	3.8000E+07	5.5000E-03	3.9000E+07	5.3400E-03	9337 3177	614
4.0000E+07	5.1733E-03	4.2000E+07	4.8400E-03	4.4000E+07	4.2500E-03	9337 3177	615
4.6000E+07	3.6900E-03	4.8000E+07	3.1800E-03	5.0000E+07	2.7300E-03	9337 3177	616
5.2000E+07	2.2900E-03	5.4000E+07	1.9100E-03	5.6000E+07	1.5900E-03	9337 3177	617
5.8000E+07	1.3400E-03	6.0000E+07	1.1400E-03	6.2000E+07	9.7300E-04	9337 3177	618
6.4000E+07	8.2200E-04	6.6000E+07	6.8300E-04	6.8000E+07	5.6000E-04	9337 3177	619
7.0000E+07	4.5200E-04	7.2000E+07	3.6600E-04	7.4000E+07	3.1000E-04	9337 3177	620
7.6000E+07	3.0100E-04	7.8000E+07	3.1300E-04	8.0000E+07	4.2500E-04	9337 3177	621
8.5000E+07	8.6000E-04	9.0000E+07	1.4500E-03	9.5000E+07	2.0700E-03	9337 3177	622

1.0000E+08	2.5200E-03					9337	3177	623
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3178	625
-7.1221E+06	-7.1221E+06	0	0	1		439337	3178	626
	43	2				9337	3178	627
7.1522E+06	0.0000E+00	2.3000E+07	4.6400E-12	2.4000E+07	2.1600E-08	9337	3178	628
2.5000E+07	2.3200E-07	2.6000E+07	9.4900E-07	2.7000E+07	2.9700E-06	9337	3178	629
2.8000E+07	8.6100E-06	2.9000E+07	2.2800E-05	3.0000E+07	5.7500E-05	9337	3178	630
3.1000E+07	1.3700E-04	3.2000E+07	2.8800E-04	3.3000E+07	5.2800E-04	9337	3178	631
3.4000E+07	9.0600E-04	3.5000E+07	1.3700E-03	3.6000E+07	1.8900E-03	9337	3178	632
3.7000E+07	2.4500E-03	3.8000E+07	3.0500E-03	3.9000E+07	3.6100E-03	9337	3178	633
4.0000E+07	3.9067E-03	4.2000E+07	4.5000E-03	4.4000E+07	4.8000E-03	9337	3178	634
4.6000E+07	4.7200E-03	4.8000E+07	4.3800E-03	5.0000E+07	3.9400E-03	9337	3178	635
5.2000E+07	3.4700E-03	5.4000E+07	3.0100E-03	5.6000E+07	2.5700E-03	9337	3178	636
5.8000E+07	2.2100E-03	6.0000E+07	1.8800E-03	6.2000E+07	1.6000E-03	9337	3178	637
6.4000E+07	1.3500E-03	6.6000E+07	1.1400E-03	6.8000E+07	9.6800E-04	9337	3178	638
7.0000E+07	8.2200E-04	7.2000E+07	6.9500E-04	7.4000E+07	5.7300E-04	9337	3178	639
7.6000E+07	4.6600E-04	7.8000E+07	3.7200E-04	8.0000E+07	2.8800E-04	9337	3178	640
8.5000E+07	1.4800E-04	9.0000E+07	2.1900E-04	9.5000E+07	4.3900E-04	9337	3178	641
1.0000E+08	7.5000E-04					9337	3178	642
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3179	644
-1.3936E+07	-1.3936E+07	0	0	1		369337	3179	645
	36	2				9337	3179	646
1.3995E+07	0.0000E+00	3.0000E+07	7.0700E-13	3.1000E+07	1.1600E-09	9337	3179	647
3.2000E+07	2.3800E-08	3.3000E+07	1.4600E-07	3.4000E+07	6.2900E-07	9337	3179	648
3.5000E+07	2.0500E-06	3.6000E+07	5.7900E-06	3.7000E+07	1.5100E-05	9337	3179	649
3.8000E+07	3.7900E-05	3.9000E+07	8.7200E-05	4.0000E+07	2.3413E-04	9337	3179	650
4.2000E+07	5.2800E-04	4.4000E+07	1.1700E-03	4.6000E+07	2.0400E-03	9337	3179	651
4.8000E+07	2.8900E-03	5.0000E+07	3.5200E-03	5.2000E+07	3.8200E-03	9337	3179	652
5.4000E+07	3.8100E-03	5.6000E+07	3.5900E-03	5.8000E+07	3.2700E-03	9337	3179	653
6.0000E+07	2.9200E-03	6.2000E+07	2.5700E-03	6.4000E+07	2.2400E-03	9337	3179	654
6.6000E+07	1.9300E-03	6.8000E+07	1.6400E-03	7.0000E+07	1.3900E-03	9337	3179	655
7.2000E+07	1.1700E-03	7.4000E+07	9.7300E-04	7.6000E+07	8.2200E-04	9337	3179	656
7.8000E+07	6.9700E-04	8.0000E+07	5.9200E-04	8.5000E+07	3.6900E-04	9337	3179	657
9.0000E+07	1.8700E-04	9.5000E+07	7.8600E-05	1.0000E+08	9.4000E-05	9337	3179	658
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3180	660
-1.9729E+07	-1.9729E+07	0	0	1		309337	3180	661
	30	2				9337	3180	662
1.9813E+07	0.0000E+00	3.6000E+07	1.3400E-13	3.7000E+07	7.3100E-11	9337	3180	663
3.8000E+07	2.1000E-09	3.9000E+07	1.8300E-08	4.0000E+07	3.2453E-07	9337	3180	664
4.2000E+07	9.3700E-07	4.4000E+07	7.3400E-06	4.6000E+07	3.9400E-05	9337	3180	665
4.8000E+07	1.5100E-04	5.0000E+07	4.1200E-04	5.2000E+07	8.5500E-04	9337	3180	666
5.4000E+07	1.3900E-03	5.6000E+07	1.9600E-03	5.8000E+07	2.4100E-03	9337	3180	667
6.0000E+07	2.6900E-03	6.2000E+07	2.8000E-03	6.4000E+07	2.7600E-03	9337	3180	668
6.6000E+07	2.6000E-03	6.8000E+07	2.3600E-03	7.0000E+07	2.0500E-03	9337	3180	669
7.2000E+07	1.8000E-03	7.4000E+07	1.5400E-03	7.6000E+07	1.3100E-03	9337	3180	670
7.8000E+07	1.1200E-03	8.0000E+07	9.5500E-04	8.5000E+07	6.4400E-04	9337	3180	671
9.0000E+07	4.2200E-04	9.5000E+07	2.5600E-04	1.0000E+08	1.2400E-04	9337	3180	672
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3181	674
-2.6784E+07	-2.6784E+07	0	0	1		249337	3181	675
	24	2				9337	3181	676
2.6897E+07	0.0000E+00	4.4000E+07	6.8700E-13	4.6000E+07	7.0100E-10	9337	3181	677
4.8000E+07	2.5400E-08	5.0000E+07	3.1600E-07	5.2000E+07	2.7300E-06	9337	3181	678
5.4000E+07	1.4500E-05	5.6000E+07	5.8400E-05	5.8000E+07	1.5800E-04	9337	3181	679
6.0000E+07	3.4000E-04	6.2000E+07	5.9700E-04	6.4000E+07	8.8500E-04	9337	3181	680
6.6000E+07	1.1600E-03	6.8000E+07	1.3900E-03	7.0000E+07	1.5300E-03	9337	3181	681
7.2000E+07	1.5700E-03	7.4000E+07	1.5200E-03	7.6000E+07	1.4200E-03	9337	3181	682
7.8000E+07	1.2900E-03	8.0000E+07	1.1600E-03	8.5000E+07	8.3100E-04	9337	3181	683
9.0000E+07	5.6200E-04	9.5000E+07	3.7700E-04	1.0000E+08	2.4400E-04	9337	3181	684
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3182	686
-3.2818E+07	-3.2818E+07	0	0	1		209337	3182	687
	20	2				9337	3182	688
3.2956E+07	0.0000E+00	5.2000E+07	1.6400E-11	5.4000E+07	8.5100E-10	9337	3182	689

5.6000E+07	1.5700E-08	5.8000E+07	1.3800E-07	6.0000E+07	8.9100E-07	9337	3182	690
6.2000E+07	4.5800E-06	6.4000E+07	1.6400E-05	6.6000E+07	4.4900E-05	9337	3182	691
6.8000E+07	9.8900E-05	7.0000E+07	1.7600E-04	7.2000E+07	2.7000E-04	9337	3182	692
7.4000E+07	3.7600E-04	7.6000E+07	4.6600E-04	7.8000E+07	5.2700E-04	9337	3182	693
8.0000E+07	5.5800E-04	8.5000E+07	5.2900E-04	9.0000E+07	4.2600E-04	9337	3182	694
9.5000E+07	3.1200E-04	1.0000E+08	2.1000E-04			9337	3182	695
						9337	3	0
9.3237E+04	2.3700E+02	0	0	0		09337	3183	697
-4.0086E+07	-4.0086E+07	0	0	1		179337	3183	698
	17	2				9337	3183	699
4.0256E+07	0.0000E+00	5.8000E+07	1.2600E-15	6.0000E+07	1.1700E-12	9337	3183	700
6.2000E+07	9.1000E-11	6.4000E+07	1.7600E-09	6.6000E+07	1.7800E-08	9337	3183	701
6.8000E+07	1.3500E-07	7.0000E+07	7.0500E-07	7.2000E+07	2.8200E-06	9337	3183	702
7.4000E+07	9.2400E-06	7.6000E+07	2.2900E-05	7.8000E+07	4.3800E-05	9337	3183	703
8.0000E+07	7.2100E-05	8.5000E+07	1.5400E-04	9.0000E+07	2.0300E-04	9337	3183	704
9.5000E+07	2.0100E-04	1.0000E+08	1.6300E-04			9337	3183	705
						9337	3	0
						9337	0	0
						0	0	0
						-1	0	0
						0	0	0
Np-239	WIND					0	0	0
9.3239E+04	2.3900E+02	-1	0	99		19339	1451	1
0.0000E+00	0.0000E+00	0	0	0		69339	1451	2
1.0000E+00	0.0000E+00	0	0	10		29339	1451	3
0.0000E+00	0.0000E+00	0	0	67		339339	1451	4
93-Np-239	INPE					9339	1451	5
	EVAL-SEP94	YU.A.KOROVIN	ET.AL.			9339	1451	6
	DIST-OCT94					9339	1451	7
----	WIND					9339	1451	7
-----	INCIDENT-NEUTRON DATA					9339	1451	8
-----	ENDF-6 FORMAT					9339	1451	9
AUTHORS OF EVALUATION:	A.YU.KONOBAYEV,	YU.A.KOROVIN,				9339	1451	10
	P.E.PERESLAVTSEV,	V.I.PLYASKIN				9339	1451	11
						9339	1451	12
FILE OF ACTINIDE DATA	LIBRARY WIND					9339	1451	13
ENERGY OF PROJECTILE:	0-100 MEV					9339	1451	14
REFERENCE:	KERNTECHNIK, 1994,	V.59,	P.87			9339	1451	15
						9339	1451	16
CONTENT OF FILE:						9339	1451	17
						9339	1451	18
MF = 1	GENERAL INFORMATION					9339	1451	19
						9339	1451	20
MT = 451	COMMENTS AND DICTIONARY					9339	1451	21
						9339	1451	22
MF = 3	NEUTRON CROSS-SECTIONS					9339	1451	23
						9339	1451	24
(N,2N)	REACTION CROSS-SECTIONS ARE ORIGINAL					9339	1451	25
(N,3N)	REACTION CROSS-SECTIONS ARE ORIGINAL					9339	1451	26
(N,F)	REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM ENDF/B-VI					9339	1451	27
	THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR					9339	1451	28
	SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA					9339	1451	29
	AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION					9339	1451	30
	IS AVAILABLE FROM THE AUTHORS AFTER REQUEST					9339	1451	31
						9339	1451	32
MT=16,17,18,37,103,111	ARE STANDARD ENDF-6 SECTIONS,					9339	1451	33
OTHER MT NUMBERS	ARE NEW ASSIGNED					9339	1451	34
	IN FOLLOWING DESCRIPTION " (N,X) " MEANS SUM CROSS-SECTIONS OF					9339	1451	35
	ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT					9339	1451	36
	RADIOACTIVE DECAY TAKEN INTO ACCOUNT					9339	1451	37
						9339	1451	38
MT = 16	(N,2N)	CROSS-SECTION	(Np238 PRODUCTION)			9339	1451	39
MT = 17	(N,3N)	CROSS-SECTION	(Np237 PRODUCTION)			9339	1451	40
MT = 18	(N,F) FISSION	CROSS-SECTION				9339	1451	41
MT = 37	(N,4N)	CROSS-SECTION	(Np236 PRODUCTION)			9339	1451	42
MT =103	(N,P)	CROSS-SECTION	(U239 PRODUCTION)			9339	1451	43
MT =111	(N,2P)	CROSS-SECTION	(Pa238 PRODUCTION)			9339	1451	44
MT =121	(N,5N)	CROSS-SECTION	(Np235 PRODUCTION)			9339	1451	45
MT =122	(N,6N)	CROSS-SECTION	(Np234 PRODUCTION)			9339	1451	46

MT =123 (N,7N)	CROSS-SECTION (Np233 PRODUCTION)	9339 1451	47		
MT =124 (N,8N)	CROSS-SECTION (Np232 PRODUCTION)	9339 1451	48		
MT =125 (N,9N)	CROSS-SECTION (Np231 PRODUCTION)	9339 1451	49		
MT =126 (N,10N)	CROSS-SECTION (Np230 PRODUCTION)	9339 1451	50		
MT =153 (N,NP) + (N,D)	CROSS-SECTION (U238 PRODUCTION)	9339 1451	51		
MT =154 (N,2NP) + (N,ND)	CROSS-SECTION (U237 PRODUCTION)	9339 1451	52		
MT =155 (N,3NP) + (N,2ND)	CROSS-SECTION (U236 PRODUCTION)	9339 1451	53		
MT =156 (N,4NP) + (N,3ND)	CROSS-SECTION (U235 PRODUCTION)	9339 1451	54		
MT =157 (N,5NP) + (N,4ND)	CROSS-SECTION (U234 PRODUCTION)	9339 1451	55		
MT =158 (N,6NP) + (N,5ND)	CROSS-SECTION (U233 PRODUCTION)	9339 1451	56		
MT =159 (N,7NP) + (N,6ND)	CROSS-SECTION (U232 PRODUCTION)	9339 1451	57		
MT =160 (N,8NP) + (N,7ND)	CROSS-SECTION (U231 PRODUCTION)	9339 1451	58		
MT =161 (N,9NP) + (N,8ND)	CROSS-SECTION (U230 PRODUCTION)	9339 1451	59		
MT =162 (N,10NP) + (N,9ND)	CROSS-SECTION (U229 PRODUCTION)	9339 1451	60		
MT =174 (N,N2P) + (N,PD)	CROSS-SECTION (Pa237 PRODUCTION)	9339 1451	61		
MT =175 (N,2N2P) + (N,X)	CROSS-SECTION (Pa236 PRODUCTION)	9339 1451	62		
MT =176 (N,3N2P) + (N,X)	CROSS-SECTION (Pa235 PRODUCTION)	9339 1451	63		
MT =177 (N,4N2P) + (N,X)	CROSS-SECTION (Pa234 PRODUCTION)	9339 1451	64		
MT =178 (N,5N2P) + (N,X)	CROSS-SECTION (Pa233 PRODUCTION)	9339 1451	65		
MT =179 (N,6N2P) + (N,X)	CROSS-SECTION (Pa232 PRODUCTION)	9339 1451	66		
MT =180 (N,7N2P) + (N,X)	CROSS-SECTION (Pa231 PRODUCTION)	9339 1451	67		
MT =181 (N,8N2P) + (N,X)	CROSS-SECTION (Pa230 PRODUCTION)	9339 1451	68		
MT =182 (N,9N2P) + (N,X)	CROSS-SECTION (Pa229 PRODUCTION)	9339 1451	69		
MT =183 (N,10N2P) + (N,X)	CROSS-SECTION (Pa228 PRODUCTION)	9339 1451	70		
		9339 1451	71		
	1	451	104	19339 1451	72
	3	16	23	19339 1451	73
	3	17	21	19339 1451	74
	3	18	29	19339 1451	75
	3	37	19	19339 1451	76
	3	103	22	19339 1451	77
	3	111	18	19339 1451	78
	3	121	17	19339 1451	79
	3	122	15	19339 1451	80
	3	123	13	19339 1451	81
	3	124	11	19339 1451	82
	3	125	10	19339 1451	83
	3	126	8	19339 1451	84
	3	153	21	19339 1451	85
	3	154	19	19339 1451	86
	3	155	17	19339 1451	87
	3	156	15	19339 1451	88
	3	157	13	19339 1451	89
	3	158	11	19339 1451	90
	3	159	10	19339 1451	91
	3	160	9	19339 1451	92
	3	161	8	19339 1451	93
	3	162	7	19339 1451	94
	3	174	15	19339 1451	95
	3	175	23	19339 1451	96
	3	176	21	19339 1451	97
	3	177	19	19339 1451	98
	3	178	18	19339 1451	99
	3	179	15	19339 1451	100
	3	180	14	19339 1451	101
	3	181	12	19339 1451	102
	3	182	11	19339 1451	103
	3	183	9	19339 1451	104
				9339 1 0	105
				9339 0 0	106
9.3239E+04 2.3900E+02	0	0	0	09339 3 16	107
-6.2270E+06-6.2270E+06	0	0	1	589339 3 16	108
58 2				9339 3 16	109
6.2531E+06 0.0000E+00 7.0000E+06 1.6700E-01 8.0000E+06 3.7300E-01	9339 3 16	110			
9.0000E+06 4.4400E-01 1.0000E+07 4.6800E-01 1.1000E+07 4.8100E-01	9339 3 16	111			
1.2000E+07 4.8900E-01 1.3000E+07 4.4800E-01 1.4000E+07 3.3000E-01	9339 3 16	112			
1.5000E+07 2.2600E-01 1.6000E+07 1.6000E-01 1.7000E+07 1.2500E-01	9339 3 16	113			

1.8000E+07	1.0300E-01	1.9000E+07	9.0900E-02	2.0000E+07	8.1800E-029339	3	16	114
2.1000E+07	7.4700E-02	2.2000E+07	6.7500E-02	2.3000E+07	6.3500E-029339	3	16	115
2.4000E+07	6.1200E-02	2.5000E+07	5.8600E-02	2.6000E+07	5.5100E-029339	3	16	116
2.7000E+07	5.3100E-02	2.8000E+07	5.1300E-02	2.9000E+07	4.9800E-029339	3	16	117
3.0000E+07	4.8500E-02	3.1000E+07	4.6800E-02	3.2000E+07	4.5900E-029339	3	16	118
3.3000E+07	4.5100E-02	3.4000E+07	4.4300E-02	3.5000E+07	4.3600E-029339	3	16	119
3.6000E+07	4.2800E-02	3.7000E+07	4.1800E-02	3.8000E+07	4.1200E-029339	3	16	120
3.9000E+07	4.0700E-02	4.2000E+07	3.4200E-02	4.4000E+07	3.3300E-029339	3	16	121
4.6000E+07	3.2600E-02	4.8000E+07	3.1800E-02	5.0000E+07	3.1000E-029339	3	16	122
5.2000E+07	3.0700E-02	5.4000E+07	3.0200E-02	5.6000E+07	2.9800E-029339	3	16	123
5.8000E+07	2.9200E-02	6.0000E+07	2.8700E-02	6.2000E+07	2.8100E-029339	3	16	124
6.4000E+07	2.7500E-02	6.6000E+07	2.7100E-02	6.8000E+07	2.6700E-029339	3	16	125
7.0000E+07	2.5500E-02	7.2000E+07	2.5000E-02	7.4000E+07	2.4600E-029339	3	16	126
7.6000E+07	2.4200E-02	7.8000E+07	2.3700E-02	8.0000E+07	2.3700E-029339	3	16	127
8.5000E+07	2.2500E-02	9.0000E+07	2.1700E-02	9.5000E+07	2.0800E-029339	3	16	128
1.0000E+08	2.0100E-02				9339	3	16	129
					9339	3	0	130
9.3239E+04	2.3900E+02	0	0	0	09339	3	17	131
-1.1706E+07	-1.1706E+07	0	0	1	539339	3	17	132
	53	2			9339	3	17	133
1.1755E+07	0.0000E+00	1.2000E+07	9.4300E-05	1.3000E+07	4.3300E-029339	3	17	134
1.4000E+07	1.2900E-01	1.5000E+07	1.8100E-01	1.6000E+07	2.0400E-019339	3	17	135
1.7000E+07	2.1700E-01	1.8000E+07	2.2800E-01	1.9000E+07	2.3400E-019339	3	17	136
2.0000E+07	2.3000E-01	2.1000E+07	2.0800E-01	2.2000E+07	1.7500E-019339	3	17	137
2.3000E+07	1.4200E-01	2.4000E+07	1.1700E-01	2.5000E+07	9.8200E-029339	3	17	138
2.6000E+07	8.4200E-02	2.7000E+07	7.3800E-02	2.8000E+07	6.5400E-029339	3	17	139
2.9000E+07	5.9400E-02	3.0000E+07	5.4500E-02	3.1000E+07	4.9600E-029339	3	17	140
3.2000E+07	4.6400E-02	3.3000E+07	4.3600E-02	3.4000E+07	4.0800E-029339	3	17	141
3.5000E+07	3.8700E-02	3.6000E+07	3.6800E-02	3.7000E+07	3.5200E-029339	3	17	142
3.8000E+07	3.3800E-02	3.9000E+07	3.2600E-02	4.2000E+07	2.7300E-029339	3	17	143
4.4000E+07	2.6300E-02	4.6000E+07	2.5300E-02	4.8000E+07	2.4500E-029339	3	17	144
5.0000E+07	2.3600E-02	5.2000E+07	2.3200E-02	5.4000E+07	2.2600E-029339	3	17	145
5.6000E+07	2.2000E-02	5.8000E+07	2.1600E-02	6.0000E+07	2.1300E-029339	3	17	146
6.2000E+07	2.0800E-02	6.4000E+07	2.0300E-02	6.6000E+07	2.0000E-029339	3	17	147
6.8000E+07	1.9600E-02	7.0000E+07	1.9400E-02	7.2000E+07	1.8600E-029339	3	17	148
7.4000E+07	1.8300E-02	7.6000E+07	1.8000E-02	7.8000E+07	1.7800E-029339	3	17	149
8.0000E+07	1.7400E-02	8.5000E+07	1.6700E-02	9.0000E+07	1.6200E-029339	3	17	150
9.5000E+07	1.5600E-02	1.0000E+08	1.5100E-02		9339	3	17	151
					9339	3	0	152
9.3239E+04	2.3900E+02	0	0	0	09339	3	18	153
1.9000E+08	1.9000E+08	0	0	1	769339	3	18	154
	76	2			9339	3	18	155
1.0000E+05	5.0000E-02	1.5000E+05	7.0000E-02	2.0000E+05	1.2000E-019339	3	18	156
2.5000E+05	2.3000E-01	3.0000E+05	3.8000E-01	4.0000E+05	7.2000E-019339	3	18	157
5.0000E+05	1.1000E+00	6.0000E+05	1.2400E+00	7.0000E+05	1.3800E+009339	3	18	158
8.0000E+05	1.5500E+00	9.0000E+05	1.6000E+00	1.0000E+06	1.6200E+009339	3	18	159
1.5000E+06	1.7200E+00	2.0000E+06	1.7500E+00	2.5000E+06	1.7000E+009339	3	18	160
3.0000E+06	1.6000E+00	4.0000E+06	1.4800E+00	5.0000E+06	1.4500E+009339	3	18	161
6.0000E+06	1.5500E+00	6.5000E+06	1.6500E+00	7.0000E+06	1.9000E+009339	3	18	162
8.0000E+06	2.1000E+00	8.5000E+06	2.1500E+00	9.0000E+06	2.1600E+009339	3	18	163
1.0000E+07	2.2200E+00	1.1000E+07	2.2500E+00	1.2000E+07	2.3100E+009339	3	18	164
1.3000E+07	2.3700E+00	1.4000E+07	2.4200E+00	1.4500E+07	2.4200E+009339	3	18	165
1.5000E+07	2.4200E+00	2.0000E+07	2.4200E+00	2.1000E+07	2.3766E+009339	3	18	166
2.2000E+07	2.3722E+00	2.3000E+07	2.3630E+00	2.4000E+07	2.3577E+009339	3	18	167
2.5000E+07	2.3491E+00	2.6000E+07	2.3424E+00	2.7000E+07	2.3285E+009339	3	18	168
2.8000E+07	2.3121E+00	2.9000E+07	2.2946E+00	3.0000E+07	2.2795E+009339	3	18	169
3.1000E+07	2.2702E+00	3.2000E+07	2.2586E+00	3.3000E+07	2.2472E+009339	3	18	170
3.4000E+07	2.2362E+00	3.5000E+07	2.2231E+00	3.6000E+07	2.2096E+009339	3	18	171
3.7000E+07	2.1976E+00	3.8000E+07	2.1830E+00	3.9000E+07	2.1715E+009339	3	18	172
4.0000E+07	2.1604E+00	4.2000E+07	2.1496E+00	4.4000E+07	2.1258E+009339	3	18	173
4.6000E+07	2.1026E+00	4.8000E+07	2.0816E+00	5.0000E+07	2.0616E+009339	3	18	174
5.2000E+07	2.0427E+00	5.4000E+07	2.0241E+00	5.6000E+07	2.0065E+009339	3	18	175
5.8000E+07	1.9894E+00	6.0000E+07	1.9730E+00	6.2000E+07	1.9671E+009339	3	18	176
6.4000E+07	1.9524E+00	6.6000E+07	1.9359E+00	6.8000E+07	1.9213E+009339	3	18	177
7.0000E+07	1.9075E+00	7.2000E+07	1.8944E+00	7.4000E+07	1.8816E+009339	3	18	178
7.6000E+07	1.8689E+00	7.8000E+07	1.8569E+00	8.0000E+07	1.8448E+009339	3	18	179
8.5000E+07	1.8160E+00	9.0000E+07	1.7890E+00	9.5000E+07	1.7634E+009339	3	18	180

1.0000E+08	1.7382E+00					9339	3	18	181
						9339	3	0	182
9.3239E+04	2.3900E+02	0	0	0		09339	3	37	183
-1.8335E+07	-1.8335E+07	0	0	1		469339	3	37	184
	46	2				9339	3	37	185
1.8411E+07	0.0000E+00	1.9000E+07	1.4900E-05	2.0000E+07	1.5000E-03	9339	3	37	186
2.1000E+07	9.3500E-03	2.2000E+07	2.2700E-02	2.3000E+07	3.8000E-02	9339	3	37	187
2.4000E+07	4.9500E-02	2.5000E+07	5.9700E-02	2.6000E+07	6.7600E-02	9339	3	37	188
2.7000E+07	7.2600E-02	2.8000E+07	7.3000E-02	2.9000E+07	6.9200E-02	9339	3	37	189
3.0000E+07	6.2900E-02	3.1000E+07	5.5400E-02	3.2000E+07	4.8600E-02	9339	3	37	190
3.3000E+07	4.2600E-02	3.4000E+07	3.7200E-02	3.5000E+07	3.2800E-02	9339	3	37	191
3.6000E+07	2.9100E-02	3.7000E+07	2.6400E-02	3.8000E+07	2.3900E-02	9339	3	37	192
3.9000E+07	2.1900E-02	4.0000E+07	1.7300E-02	4.2000E+07	1.5300E-02	9339	3	37	193
4.4000E+07	1.3800E-02	4.6000E+07	1.2600E-02	4.8000E+07	1.1600E-02	9339	3	37	194
5.0000E+07	1.0800E-02	5.2000E+07	1.0200E-02	5.4000E+07	9.6900E-03	9339	3	37	195
5.6000E+07	9.2900E-03	5.8000E+07	8.9700E-03	6.0000E+07	8.6500E-03	9339	3	37	196
6.2000E+07	8.3600E-03	6.4000E+07	8.1300E-03	6.6000E+07	7.9100E-03	9339	3	37	197
6.8000E+07	7.7300E-03	7.0000E+07	7.5700E-03	7.2000E+07	7.4000E-03	9339	3	37	198
7.4000E+07	7.2700E-03	7.6000E+07	7.1000E-03	7.8000E+07	6.9600E-03	9339	3	37	199
8.0000E+07	6.6800E-03	8.5000E+07	6.3900E-03	9.0000E+07	6.1200E-03	9339	3	37	200
9.5000E+07	5.8900E-03					9339	3	37	201
						9339	3	0	202
9.3239E+04	2.3900E+02	0	0	0		09339	3103		203
-4.8333E+05	-4.8333E+05	0	0	1		579339	3103		204
	57	2				9339	3103		205
4.8535E+05	0.0000E+00	8.0000E+06	5.4500E-05	9.0000E+06	2.1700E-04	9339	3103		206
1.0000E+07	6.1500E-04	1.1000E+07	1.2900E-03	1.2000E+07	2.5400E-03	9339	3103		207
1.3000E+07	4.3600E-03	1.4000E+07	5.8900E-03	1.5000E+07	8.9500E-03	9339	3103		208
1.6000E+07	1.2500E-02	1.7000E+07	1.6000E-02	1.8000E+07	1.7500E-02	9339	3103		209
1.9000E+07	2.0400E-02	2.0000E+07	2.2800E-02	2.1000E+07	2.4500E-02	9339	3103		210
2.2000E+07	2.4700E-02	2.3000E+07	2.6200E-02	2.4000E+07	2.7600E-02	9339	3103		211
2.5000E+07	2.8700E-02	2.6000E+07	2.8800E-02	2.7000E+07	2.9100E-02	9339	3103		212
2.8000E+07	2.9200E-02	2.9000E+07	2.9200E-02	3.0000E+07	2.9300E-02	9339	3103		213
3.1000E+07	2.9100E-02	3.2000E+07	2.9200E-02	3.3000E+07	2.9200E-02	9339	3103		214
3.4000E+07	2.9100E-02	3.5000E+07	2.8800E-02	3.6000E+07	2.8500E-02	9339	3103		215
3.7000E+07	2.8000E-02	3.8000E+07	2.7700E-02	3.9000E+07	2.7500E-02	9339	3103		216
4.0000E+07	2.6600E-02	4.2000E+07	2.5900E-02	4.4000E+07	2.5200E-02	9339	3103		217
4.6000E+07	2.4500E-02	4.8000E+07	2.3800E-02	5.0000E+07	2.3200E-02	9339	3103		218
5.2000E+07	2.2500E-02	5.4000E+07	2.1700E-02	5.6000E+07	2.1200E-02	9339	3103		219
5.8000E+07	2.0600E-02	6.0000E+07	2.0000E-02	6.2000E+07	1.9400E-02	9339	3103		220
6.4000E+07	2.1200E-02	6.6000E+07	2.0700E-02	6.8000E+07	2.0100E-02	9339	3103		221
7.0000E+07	1.9600E-02	7.2000E+07	1.9100E-02	7.4000E+07	1.8600E-02	9339	3103		222
7.6000E+07	1.8100E-02	7.8000E+07	1.7700E-02	8.0000E+07	1.6600E-02	9339	3103		223
8.5000E+07	1.5600E-02	9.0000E+07	1.4700E-02	9.5000E+07	1.3900E-02	9339	3	0	225
						09339	3111		226
9.3239E+04	2.3900E+02	0	0	0		449339	3111		227
-8.4704E+06	-8.4704E+06	0	0	1		9339	3111		228
	44	2				9339	3111		229
8.5058E+06	0.0000E+00	2.2000E+07	2.7500E-07	2.3000E+07	2.5500E-06	9339	3111		230
2.4000E+07	1.0800E-05	2.5000E+07	3.2600E-05	2.6000E+07	7.1200E-05	9339	3111		231
2.7000E+07	1.4200E-04	2.8000E+07	2.4600E-04	2.9000E+07	3.8400E-04	9339	3111		232
3.0000E+07	5.5400E-04	3.1000E+07	7.0400E-04	3.2000E+07	9.0200E-04	9339	3111		233
3.3000E+07	1.1500E-03	3.4000E+07	1.4100E-03	3.5000E+07	1.6800E-03	9339	3111		234
3.6000E+07	1.9600E-03	3.7000E+07	2.1800E-03	3.8000E+07	2.4900E-03	9339	3111		235
3.9000E+07	2.8200E-03	4.0000E+07	3.0467E-03	4.2000E+07	3.5000E-03	9339	3111		236
4.4000E+07	3.9900E-03	4.6000E+07	4.3300E-03	4.8000E+07	4.6100E-03	9339	3111		237
5.0000E+07	4.7300E-03	5.2000E+07	4.8200E-03	5.4000E+07	4.9500E-03	9339	3111		238
5.6000E+07	5.0200E-03	5.8000E+07	5.0800E-03	6.0000E+07	5.1000E-03	9339	3111		239
6.2000E+07	5.1500E-03	6.4000E+07	5.1900E-03	6.6000E+07	5.2100E-03	9339	3111		240
6.8000E+07	5.2200E-03	7.0000E+07	5.2500E-03	7.2000E+07	5.2500E-03	9339	3111		241
7.4000E+07	5.2600E-03	7.6000E+07	5.2700E-03	7.8000E+07	5.2700E-03	9339	3111		242
8.0000E+07	5.2400E-03	8.5000E+07	5.2500E-03	9.0000E+07	5.2400E-03	9339	3111		243
9.5000E+07	5.2300E-03	1.0000E+08	5.1700E-03			9339	3	0	244
						09339	3121		245
9.3239E+04	2.3900E+02	0	0	0		419339	3121		246
-2.4020E+07	-2.4020E+07	0	0	1		9339	3121		247
	41	2							

2.4120E+07	0.0000E+00	2.5000E+07	3.9200E-07	2.6000E+07	1.0900E-04	9339	3121	248
2.7000E+07	1.0200E-03	2.8000E+07	3.4700E-03	2.9000E+07	7.1400E-03	9339	3121	249
3.0000E+07	1.1100E-02	3.1000E+07	1.5000E-02	3.2000E+07	1.8100E-02	9339	3121	250
3.3000E+07	2.0700E-02	3.4000E+07	2.2800E-02	3.5000E+07	2.4000E-02	9339	3121	251
3.6000E+07	2.4400E-02	3.7000E+07	2.4100E-02	3.8000E+07	2.3100E-02	9339	3121	252
3.9000E+07	2.1700E-02	4.0000E+07	1.9700E-02	4.2000E+07	1.5700E-02	9339	3121	253
4.4000E+07	1.3000E-02	4.6000E+07	1.0600E-02	4.8000E+07	9.2300E-03	9339	3121	254
5.0000E+07	7.9600E-03	5.2000E+07	7.0700E-03	5.4000E+07	6.4200E-03	9339	3121	255
5.6000E+07	5.8700E-03	5.8000E+07	5.4700E-03	6.0000E+07	5.0800E-03	9339	3121	256
6.2000E+07	4.7600E-03	6.4000E+07	4.4600E-03	6.6000E+07	4.1000E-03	9339	3121	257
6.8000E+07	3.9700E-03	7.0000E+07	3.8500E-03	7.2000E+07	3.7300E-03	9339	3121	258
7.4000E+07	3.6000E-03	7.6000E+07	3.4800E-03	7.8000E+07	3.3800E-03	9339	3121	259
8.0000E+07	3.3000E-03	8.5000E+07	3.1200E-03	9.0000E+07	2.9700E-03	9339	3121	260
9.5000E+07	2.8100E-03	1.0000E+08	2.6700E-03			9339	3121	261
						9339	3	0
9.3239E+04	2.3900E+02	0	0	0		09339	3122	263
-3.1003E+07	-3.1003E+07	0	0	1		349339	3122	264
	34	2				9339	3122	265
3.1133E+07	0.0000E+00	3.2000E+07	6.8700E-10	3.3000E+07	2.7900E-07	9339	3122	266
3.4000E+07	8.4700E-06	3.5000E+07	5.9000E-05	3.6000E+07	2.1900E-04	9339	3122	267
3.7000E+07	5.0900E-04	3.8000E+07	9.4900E-04	3.9000E+07	1.4700E-03	9339	3122	268
4.0000E+07	2.0400E-03	4.2000E+07	3.1800E-03	4.4000E+07	3.9300E-03	9339	3122	269
4.6000E+07	4.1500E-03	4.8000E+07	3.8900E-03	5.0000E+07	3.4800E-03	9339	3122	270
5.2000E+07	3.0300E-03	5.4000E+07	2.6200E-03	5.6000E+07	2.2500E-03	9339	3122	271
5.8000E+07	1.9700E-03	6.0000E+07	1.7500E-03	6.2000E+07	1.5900E-03	9339	3122	272
6.4000E+07	1.4200E-03	6.6000E+07	1.3100E-03	6.8000E+07	1.2300E-03	9339	3122	273
7.0000E+07	1.1600E-03	7.2000E+07	1.1000E-03	7.4000E+07	1.0400E-03	9339	3122	274
7.6000E+07	9.8100E-04	7.8000E+07	9.3200E-04	8.0000E+07	8.9000E-04	9339	3122	275
8.5000E+07	8.0000E-04	9.0000E+07	7.3100E-04	9.5000E+07	6.8500E-04	9339	3122	276
1.0000E+08	6.4300E-04					9339	3122	277
						9339	3	0
9.3239E+04	2.3900E+02	0	0	0		09339	3123	279
-3.7134E+07	-3.7134E+07	0	0	1		289339	3123	280
	28	2				9339	3123	281
3.7289E+07	0.0000E+00	3.8000E+07	4.7800E-13	3.9000E+07	8.2000E-10	9339	3123	282
4.0000E+07	1.4505E-06	4.2000E+07	4.3500E-06	4.4000E+07	3.7800E-05	9339	3123	283
4.6000E+07	1.3700E-04	4.8000E+07	2.8700E-04	5.0000E+07	4.5400E-04	9339	3123	284
5.2000E+07	5.7800E-04	5.4000E+07	6.5300E-04	5.6000E+07	6.7500E-04	9339	3123	285
5.8000E+07	6.4800E-04	6.0000E+07	6.0100E-04	6.2000E+07	5.5600E-04	9339	3123	286
6.4000E+07	4.9400E-04	6.6000E+07	4.3600E-04	6.8000E+07	3.8700E-04	9339	3123	287
7.0000E+07	3.4800E-04	7.2000E+07	3.1800E-04	7.4000E+07	2.9500E-04	9339	3123	288
7.6000E+07	2.7600E-04	7.8000E+07	2.6000E-04	8.0000E+07	2.4600E-04	9339	3123	289
8.5000E+07	2.1600E-04	9.0000E+07	1.9700E-04	9.5000E+07	1.7300E-04	9339	3123	290
1.0000E+08	1.6000E-04					9339	3123	291
						9339	3	0
9.3239E+04	2.3900E+02	0	0	0		09339	3124	293
-4.4485E+07	-4.4485E+07	0	0	1		229339	3124	294
	22	2				9339	3124	295
4.4672E+07	0.0000E+00	4.8000E+07	4.4600E-09	5.0000E+07	2.3700E-07	9339	3124	296
5.2000E+07	2.0500E-06	5.4000E+07	8.4700E-06	5.6000E+07	2.1200E-05	9339	3124	297
5.8000E+07	4.0000E-05	6.0000E+07	6.0100E-05	6.2000E+07	7.6200E-05	9339	3124	298
6.4000E+07	9.0200E-05	6.6000E+07	9.7100E-05	6.8000E+07	9.6700E-05	9339	3124	299
7.0000E+07	9.2400E-05	7.2000E+07	8.7100E-05	7.4000E+07	8.1000E-05	9339	3124	300
7.6000E+07	7.4500E-05	7.8000E+07	6.8000E-05	8.0000E+07	6.2000E-05	9339	3124	301
8.5000E+07	5.0400E-05	9.0000E+07	4.2800E-05	9.5000E+07	3.8000E-05	9339	3124	302
1.0000E+08	3.4500E-05					9339	3124	303
						9339	3	0
9.3239E+04	2.3900E+02	0	0	0		09339	3125	305
-5.0893E+07	-5.0893E+07	0	0	1		199339	3125	306
	19	2				9339	3125	307
5.1106E+07	0.0000E+00	5.4000E+07	3.2400E-12	5.6000E+07	2.6700E-10	9339	3125	308
5.8000E+07	4.2200E-09	6.0000E+07	3.1800E-08	6.2000E+07	1.1100E-07	9339	3125	309
6.4000E+07	3.3000E-07	6.6000E+07	6.6500E-07	6.8000E+07	1.0600E-06	9339	3125	310
7.0000E+07	1.4300E-06	7.2000E+07	1.7300E-06	7.4000E+07	1.9100E-06	9339	3125	311
7.6000E+07	1.9900E-06	7.8000E+07	2.0100E-06	8.0000E+07	1.9700E-06	9339	3125	312
8.5000E+07	1.7400E-06	9.0000E+07	1.4600E-06	9.5000E+07	1.2400E-06	9339	3125	313
1.0000E+08	1.0700E-06					9339	3125	314

							9339	3	0	315
9.3239E+04	2.3900E+02	0	0	0	0	09339	3126	316		
-5.8571E+07	-5.8571E+07	0	0	1	159339	3126	317			
	15	2				9339	3126	318		
5.8816E+07	0.0000E+00	6.2000E+07	9.4300E-17	6.4000E+07	9.3900E-149339	3126	319			
6.6000E+07	4.0000E-12	6.8000E+07	4.8800E-11	7.0000E+07	2.7000E-109339	3126	320			
7.2000E+07	8.9900E-10	7.4000E+07	2.1500E-09	7.6000E+07	3.9400E-099339	3126	321			
7.8000E+07	6.2900E-09	8.0000E+07	8.7700E-09	8.5000E+07	1.3900E-089339	3126	322			
9.0000E+07	1.5100E-08	9.5000E+07	1.4200E-08	1.0000E+08	1.2800E-089339	3126	323			
						9339	3	0	324	
9.3239E+04	2.3900E+02	0	0	0	09339	3153	325			
-3.0652E+06	-3.0652E+06	0	0	1	539339	3153	326			
	53	2				9339	3153	327		
3.0780E+06	0.0000E+00	1.2000E+07	4.7300E-10	1.3000E+07	9.8800E-049339	3153	328			
1.4000E+07	1.4800E-03	1.5000E+07	2.5400E-03	1.6000E+07	4.0900E-039339	3153	329			
1.7000E+07	5.9700E-03	1.8000E+07	7.3800E-03	1.9000E+07	1.0600E-029339	3153	330			
2.0000E+07	1.4300E-02	2.1000E+07	1.8700E-02	2.2000E+07	2.2100E-029339	3153	331			
2.3000E+07	2.7500E-02	2.4000E+07	3.2800E-02	2.5000E+07	3.8500E-029339	3153	332			
2.6000E+07	4.2200E-02	2.7000E+07	4.6900E-02	2.8000E+07	5.0600E-029339	3153	333			
2.9000E+07	5.4400E-02	3.0000E+07	5.7400E-02	3.1000E+07	5.8600E-029339	3153	334			
3.2000E+07	6.0900E-02	3.3000E+07	6.2900E-02	3.4000E+07	6.4100E-029339	3153	335			
3.5000E+07	6.4000E-02	3.6000E+07	6.3800E-02	3.7000E+07	6.2600E-029339	3153	336			
3.8000E+07	6.2600E-02	3.9000E+07	6.2600E-02	4.0000E+07	5.7300E-029339	3153	337			
4.2000E+07	5.6500E-02	4.4000E+07	5.6800E-02	4.6000E+07	5.6700E-029339	3153	338			
4.8000E+07	5.6400E-02	5.0000E+07	5.5000E-02	5.2000E+07	5.4500E-029339	3153	339			
5.4000E+07	5.4100E-02	5.6000E+07	5.3900E-02	5.8000E+07	5.3700E-029339	3153	340			
6.0000E+07	5.3100E-02	6.2000E+07	5.2600E-02	6.4000E+07	5.2100E-029339	3153	341			
6.6000E+07	5.1800E-02	6.8000E+07	5.1600E-02	7.0000E+07	5.1200E-029339	3153	342			
7.2000E+07	5.0700E-02	7.4000E+07	5.0400E-02	7.6000E+07	4.9800E-029339	3153	343			
7.8000E+07	4.9400E-02	8.0000E+07	4.8700E-02	8.5000E+07	4.8000E-029339	3153	344			
9.0000E+07	4.6500E-02	9.5000E+07	4.5600E-02			9339	3153	345		
						9339	3	0	346	
9.3239E+04	2.3900E+02	0	0	0	09339	3154	347			
-9.2186E+06	-9.2186E+06	0	0	1	469339	3154	348			
	46	2				9339	3154	349		
9.2571E+06	0.0000E+00	1.9000E+07	6.1400E-07	2.0000E+07	8.0400E-069339	3154	350			
2.1000E+07	4.5500E-05	2.2000E+07	1.6400E-04	2.3000E+07	4.5700E-049339	3154	351			
2.4000E+07	1.0400E-03	2.5000E+07	2.0600E-03	2.6000E+07	3.6200E-039339	3154	352			
2.7000E+07	5.7300E-03	2.8000E+07	8.2100E-03	2.9000E+07	1.1300E-029339	3154	353			
3.0000E+07	1.4600E-02	3.1000E+07	1.7900E-02	3.2000E+07	2.1200E-029339	3154	354			
3.3000E+07	2.4300E-02	3.4000E+07	2.7600E-02	3.5000E+07	3.1000E-029339	3154	355			
3.6000E+07	3.4200E-02	3.7000E+07	3.6700E-02	3.8000E+07	3.9100E-029339	3154	356			
3.9000E+07	4.1000E-02	4.0000E+07	4.4600E-02	4.2000E+07	4.6000E-029339	3154	357			
4.4000E+07	4.5800E-02	4.6000E+07	4.4900E-02	4.8000E+07	4.3300E-029339	3154	358			
5.0000E+07	4.2800E-02	5.2000E+07	4.1700E-02	5.4000E+07	4.0300E-029339	3154	359			
5.6000E+07	3.9500E-02	5.8000E+07	3.8800E-02	6.0000E+07	3.8300E-029339	3154	360			
6.2000E+07	3.7700E-02	6.4000E+07	3.7100E-02	6.6000E+07	3.6900E-029339	3154	361			
6.8000E+07	3.6200E-02	7.0000E+07	3.5800E-02	7.2000E+07	3.5400E-029339	3154	362			
7.4000E+07	3.5100E-02	7.6000E+07	3.4800E-02	7.8000E+07	3.4400E-029339	3154	363			
8.0000E+07	3.3600E-02	8.5000E+07	3.2800E-02	9.0000E+07	3.2000E-029339	3154	364			
9.5000E+07	3.1400E-02					9339	3154	365		
						9339	3	0	366	
9.3239E+04	2.3900E+02	0	0	0	09339	3155	367			
-1.4344E+07	-1.4344E+07	0	0	1	429339	3155	368			
	42	2				9339	3155	369		
1.4404E+07	0.0000E+00	2.4000E+07	4.1500E-08	2.5000E+07	1.1800E-069339	3155	370			
2.6000E+07	9.2200E-06	2.7000E+07	4.2400E-05	2.8000E+07	1.3800E-049339	3155	371			
2.9000E+07	3.5600E-04	3.0000E+07	8.0900E-04	3.1000E+07	1.5300E-039339	3155	372			
3.2000E+07	2.6100E-03	3.3000E+07	4.0400E-03	3.4000E+07	5.9200E-039339	3155	373			
3.5000E+07	8.0800E-03	3.6000E+07	1.0300E-02	3.7000E+07	1.2500E-029339	3155	374			
3.8000E+07	1.4900E-02	3.9000E+07	1.7400E-02	4.0000E+07	1.9233E-029339	3155	375			
4.2000E+07	2.2900E-02	4.4000E+07	2.6000E-02	4.6000E+07	2.8600E-029339	3155	376			
4.8000E+07	3.1400E-02	5.0000E+07	3.3500E-02	5.2000E+07	3.5300E-029339	3155	377			
5.4000E+07	3.6600E-02	5.6000E+07	3.7800E-02	5.8000E+07	3.8400E-029339	3155	378			
6.0000E+07	3.8300E-02	6.2000E+07	3.7300E-02	6.4000E+07	3.6100E-029339	3155	379			
6.6000E+07	3.4900E-02	6.8000E+07	3.4100E-02	7.0000E+07	3.3000E-029339	3155	380			
7.2000E+07	3.2200E-02	7.4000E+07	3.1300E-02	7.6000E+07	3.0600E-029339	3155	381			

7.8000E+07	3.0000E-02	8.0000E+07	2.9500E-02	8.5000E+07	2.8500E-02	9339	3155	382
9.0000E+07	2.7100E-02	9.5000E+07	2.6600E-02	1.0000E+08	2.6000E-02	9339	3155	383
						9339	3	0
9.3239E+04	2.3900E+02	0	0	0	0	09339	3156	385
-2.0890E+07	-2.0890E+07	0	0	1	1	369339	3156	386
	36	2				9339	3156	387
2.0977E+07	0.0000E+00	3.0000E+07	6.1600E-12	3.1000E+07	8.0400E-09	9339	3156	388
3.2000E+07	2.3500E-07	3.3000E+07	1.9000E-06	3.4000E+07	1.0200E-05	9339	3156	389
3.5000E+07	3.8400E-05	3.6000E+07	1.0800E-04	3.7000E+07	2.5800E-04	9339	3156	390
3.8000E+07	5.3100E-04	3.9000E+07	9.5500E-04	4.0000E+07	1.8267E-03	9339	3156	391
4.2000E+07	3.5700E-03	4.4000E+07	6.0700E-03	4.6000E+07	8.4800E-03	9339	3156	392
4.8000E+07	1.0700E-02	5.0000E+07	1.2700E-02	5.2000E+07	1.3900E-02	9339	3156	393
5.4000E+07	1.5100E-02	5.6000E+07	1.6100E-02	5.8000E+07	1.6800E-02	9339	3156	394
6.0000E+07	1.7300E-02	6.2000E+07	1.8000E-02	6.4000E+07	1.8900E-02	9339	3156	395
6.6000E+07	1.9800E-02	6.8000E+07	2.0600E-02	7.0000E+07	2.1000E-02	9339	3156	396
7.2000E+07	2.1200E-02	7.4000E+07	2.1100E-02	7.6000E+07	2.0900E-02	9339	3156	397
7.8000E+07	2.0400E-02	8.0000E+07	1.9500E-02	8.5000E+07	1.7800E-02	9339	3156	398
9.0000E+07	1.6500E-02	9.5000E+07	1.5100E-02	1.0000E+08	1.4400E-02	9339	3	0
						9339	3157	401
9.3239E+04	2.3900E+02	0	0	0	0	09339	3157	401
-2.6188E+07	-2.6188E+07	0	0	1	1	309339	3157	402
	30	2				9339	3157	403
2.6297E+07	0.0000E+00	3.6000E+07	3.0100E-11	3.7000E+07	4.8400E-09	9339	3157	404
3.8000E+07	8.2400E-08	3.9000E+07	6.2400E-07	4.0000E+07	1.2116E-05	9339	3157	405
4.2000E+07	3.5100E-05	4.4000E+07	1.8800E-04	4.6000E+07	5.8600E-04	9339	3157	406
4.8000E+07	1.4000E-03	5.0000E+07	2.5400E-03	5.2000E+07	3.8400E-03	9339	3157	407
5.4000E+07	5.1400E-03	5.6000E+07	6.2700E-03	5.8000E+07	7.1600E-03	9339	3157	408
6.0000E+07	7.8900E-03	6.2000E+07	8.5200E-03	6.4000E+07	9.0100E-03	9339	3157	409
6.6000E+07	9.4600E-03	6.8000E+07	9.8100E-03	7.0000E+07	1.0100E-02	9339	3157	410
7.2000E+07	1.0400E-02	7.4000E+07	1.0700E-02	7.6000E+07	1.1000E-02	9339	3157	411
7.8000E+07	1.1300E-02	8.0000E+07	1.1600E-02	8.5000E+07	1.2000E-02	9339	3157	412
9.0000E+07	1.2100E-02	9.5000E+07	1.1900E-02	1.0000E+08	1.1200E-02	9339	3	0
						9339	3158	415
9.3239E+04	2.3900E+02	0	0	0	0	09339	3158	415
-3.3031E+07	-3.3031E+07	0	0	1	1	249339	3158	416
	24	2				9339	3158	417
3.3170E+07	0.0000E+00	4.4000E+07	3.1500E-10	4.6000E+07	3.5500E-08	9339	3158	418
4.8000E+07	9.9500E-07	5.0000E+07	9.4500E-06	5.2000E+07	5.1400E-05	9339	3158	419
5.4000E+07	1.6700E-04	5.6000E+07	3.9300E-04	5.8000E+07	7.3600E-04	9339	3158	420
6.0000E+07	1.1400E-03	6.2000E+07	1.5900E-03	6.4000E+07	2.0000E-03	9339	3158	421
6.6000E+07	2.2700E-03	6.8000E+07	2.5200E-03	7.0000E+07	2.7200E-03	9339	3158	422
7.2000E+07	2.8700E-03	7.4000E+07	3.0000E-03	7.6000E+07	3.1100E-03	9339	3158	423
7.8000E+07	3.2200E-03	8.0000E+07	3.3200E-03	8.5000E+07	3.5000E-03	9339	3158	424
9.0000E+07	3.6400E-03	9.5000E+07	3.8200E-03	1.0000E+08	4.0100E-03	9339	3	0
						9339	3159	427
9.3239E+04	2.3900E+02	0	0	0	0	09339	3159	427
-3.8785E+07	-3.8785E+07	0	0	1	1	219339	3159	428
	21	2				9339	3159	429
3.8948E+07	0.0000E+00	5.0000E+07	4.6400E-12	5.2000E+07	2.4400E-09	9339	3159	430
5.4000E+07	7.4200E-08	5.6000E+07	8.6800E-07	5.8000E+07	5.3700E-06	9339	3159	431
6.0000E+07	2.2300E-05	6.2000E+07	6.4200E-05	6.4000E+07	1.4300E-04	9339	3159	432
6.6000E+07	2.2700E-04	6.8000E+07	3.5100E-04	7.0000E+07	5.0900E-04	9339	3159	433
7.2000E+07	6.4400E-04	7.4000E+07	7.7300E-04	7.6000E+07	8.6500E-04	9339	3159	434
7.8000E+07	9.4300E-04	8.0000E+07	1.0000E-03	8.5000E+07	1.1100E-03	9339	3159	435
9.0000E+07	1.2000E-03	9.5000E+07	1.2700E-03	1.0000E+08	1.3000E-03	9339	3	0
						9339	3160	438
9.3239E+04	2.3900E+02	0	0	0	0	09339	3160	438
-4.6040E+07	-4.6040E+07	0	0	1	1	179339	3160	439
	17	2				9339	3160	440
4.6233E+07	0.0000E+00	5.8000E+07	1.1300E-12	6.0000E+07	1.7600E-10	9339	3160	441
6.2000E+07	5.8500E-09	6.4000E+07	7.6200E-08	6.6000E+07	3.5600E-07	9339	3160	442
6.8000E+07	1.6200E-06	7.0000E+07	6.2800E-06	7.2000E+07	1.5500E-05	9339	3160	443
7.4000E+07	3.3800E-05	7.6000E+07	5.9700E-05	7.8000E+07	9.3700E-05	9339	3160	444
8.0000E+07	1.3100E-04	8.5000E+07	2.1200E-04	9.0000E+07	2.5700E-04	9339	3160	445
9.5000E+07	2.8100E-04	1.0000E+08	2.9900E-04			9339	3160	446
						9339	3	0
						9339	3161	448
9.3239E+04	2.3900E+02	0	0	0	0	09339	3161	448

-5.1939E+07	-5.1939E+07	0	0	1	139339	3161	449	
13	2				9339	3161	450	
5.2156E+07	0.0000E+00	6.6000E+07	9.2500E-13	6.8000E+07	4.4600E-11	9339	3161	451
7.0000E+07	1.2300E-09	7.2000E+07	1.0600E-08	7.4000E+07	7.0200E-08	9339	3161	452
7.6000E+07	2.8900E-07	7.8000E+07	9.2900E-07	8.0000E+07	2.3300E-06	9339	3161	453
8.5000E+07	1.0200E-05	9.0000E+07	2.2400E-05	9.5000E+07	3.2300E-05	9339	3161	454
1.0000E+08	3.7500E-05				9339	3161	455	
					9339	3	0	456
9.3239E+04	2.3900E+02	0	0	0	09339	3162	457	
-5.9604E+07	-5.9604E+07	0	0	1	109339	3162	458	
10	2				9339	3162	459	
5.9854E+07	0.0000E+00	7.2000E+07	4.2400E-18	7.4000E+07	2.7400E-15	9339	3162	460
7.6000E+07	2.4600E-13	7.8000E+07	7.0400E-12	8.0000E+07	9.5700E-11	9339	3162	461
8.5000E+07	7.8500E-09	9.0000E+07	9.9800E-08	9.5000E+07	4.3600E-07	9339	3162	462
1.0000E+08	9.7200E-07				9339	3162	463	
					9339	3	0	464
9.3239E+04	2.3900E+02	0	0	0	09339	3174	465	
-1.0687E+07	-1.0687E+07	0	0	1	369339	3174	466	
36	2				9339	3174	467	
1.0732E+07	0.0000E+00	3.0000E+07	5.6700E-12	3.1000E+07	5.4900E-09	9339	3174	468
3.2000E+07	3.5600E-08	3.3000E+07	1.6400E-07	3.4000E+07	4.6600E-07	9339	3174	469
3.5000E+07	1.1200E-06	3.6000E+07	2.2000E-06	3.7000E+07	4.4200E-06	9339	3174	470
3.8000E+07	8.3100E-06	3.9000E+07	1.6300E-05	4.0000E+07	6.3533E-05	9339	3174	471
4.2000E+07	1.5800E-04	4.4000E+07	3.9000E-04	4.6000E+07	8.0600E-04	9339	3174	472
4.8000E+07	1.3100E-03	5.0000E+07	1.9200E-03	5.2000E+07	2.6100E-03	9339	3174	473
5.4000E+07	3.2300E-03	5.6000E+07	3.7900E-03	5.8000E+07	4.3200E-03	9339	3174	474
6.0000E+07	4.7200E-03	6.2000E+07	4.9600E-03	6.4000E+07	5.1300E-03	9339	3174	475
6.6000E+07	5.2100E-03	6.8000E+07	5.3000E-03	7.0000E+07	5.3100E-03	9339	3174	476
7.2000E+07	5.3700E-03	7.4000E+07	5.3400E-03	7.6000E+07	5.3700E-03	9339	3174	477
7.8000E+07	5.2700E-03	8.0000E+07	5.3100E-03	8.5000E+07	5.2500E-03	9339	3174	478
9.0000E+07	5.2400E-03	9.5000E+07	5.2000E-03	1.0000E+08	5.1500E-03	9339	3174	479
					9339	3	0	480
9.3239E+04	2.3900E+02	0	0	0	09339	3175	481	
9.4131E+06	9.4131E+06	0	0	1	599339	3175	482	
59	2				9339	3175	483	
1.0000E-05	0.0000E+00	6.0000E+06	4.1900E-10	7.0000E+06	2.6600E-08	9339	3175	484
8.0000E+06	1.6600E-07	9.0000E+06	7.1700E-07	1.0000E+07	2.6100E-06	9339	3175	485
1.1000E+07	8.4400E-06	1.2000E+07	2.4500E-05	1.3000E+07	6.3300E-05	9339	3175	486
1.4000E+07	1.4400E-04	1.5000E+07	2.8500E-04	1.6000E+07	4.9400E-04	9339	3175	487
1.7000E+07	7.6500E-04	1.8000E+07	1.0600E-03	1.9000E+07	1.3200E-03	9339	3175	488
2.0000E+07	1.5100E-03	2.1000E+07	1.6300E-03	2.2000E+07	1.6800E-03	9339	3175	489
2.3000E+07	1.7000E-03	2.4000E+07	1.6900E-03	2.5000E+07	1.6500E-03	9339	3175	490
2.6000E+07	1.5900E-03	2.7000E+07	1.5200E-03	2.8000E+07	1.5400E-03	9339	3175	491
2.9000E+07	1.4400E-03	3.0000E+07	1.3500E-03	3.1000E+07	1.2500E-03	9339	3175	492
3.2000E+07	1.1600E-03	3.3000E+07	1.0800E-03	3.4000E+07	1.0100E-03	9339	3175	493
3.5000E+07	9.3600E-04	3.6000E+07	8.6700E-04	3.7000E+07	8.0200E-04	9339	3175	494
3.8000E+07	7.3900E-04	3.9000E+07	6.8000E-04	4.0000E+07	5.4800E-04	9339	3175	495
4.2000E+07	4.5700E-04	4.4000E+07	3.9200E-04	4.6000E+07	3.3800E-04	9339	3175	496
4.8000E+07	2.9200E-04	5.0000E+07	2.6500E-04	5.2000E+07	2.8200E-04	9339	3175	497
5.4000E+07	3.9400E-04	5.6000E+07	5.9700E-04	5.8000E+07	9.4900E-04	9339	3175	498
6.0000E+07	1.3900E-03	6.2000E+07	1.8900E-03	6.4000E+07	2.4100E-03	9339	3175	499
6.6000E+07	2.9000E-03	6.8000E+07	3.3200E-03	7.0000E+07	3.6300E-03	9339	3175	500
7.2000E+07	3.8700E-03	7.4000E+07	4.0000E-03	7.6000E+07	4.1000E-03	9339	3175	501
7.8000E+07	4.1400E-03	8.0000E+07	4.1900E-03	8.5000E+07	4.1200E-03	9339	3175	502
9.0000E+07	4.0300E-03	9.5000E+07	4.0000E-03		9339	3175	503	
					9339	3	0	504
9.3239E+04	2.3900E+02	0	0	0	09339	3176	505	
4.5615E+06	4.5615E+06	0	0	1	549339	3176	506	
54	2				9339	3176	507	
1.0000E-05	0.0000E+00	1.1000E+07	1.4200E-08	1.2000E+07	2.4700E-07	9339	3176	508
1.3000E+07	1.0900E-06	1.4000E+07	3.8800E-06	1.5000E+07	1.2600E-05	9339	3176	509
1.6000E+07	3.4400E-05	1.7000E+07	9.4400E-05	1.8000E+07	2.3100E-04	9339	3176	510
1.9000E+07	4.9100E-04	2.0000E+07	8.9700E-04	2.1000E+07	1.4400E-03	9339	3176	511
2.2000E+07	2.0900E-03	2.3000E+07	2.8100E-03	2.4000E+07	3.5600E-03	9339	3176	512
2.5000E+07	4.2700E-03	2.6000E+07	4.8600E-03	2.7000E+07	5.2700E-03	9339	3176	513
2.8000E+07	5.5500E-03	2.9000E+07	5.6700E-03	3.0000E+07	5.6600E-03	9339	3176	514
3.1000E+07	5.5500E-03	3.2000E+07	5.3700E-03	3.3000E+07	5.1400E-03	9339	3176	515

3.4000E+07	4.8500E-03	3.5000E+07	4.5700E-03	3.6000E+07	4.2700E-03	9339	3176	516
3.7000E+07	3.9800E-03	3.8000E+07	3.7300E-03	3.9000E+07	3.4700E-03	9339	3176	517
4.0000E+07	2.9800E-03	4.2000E+07	2.5400E-03	4.4000E+07	2.1400E-03	9339	3176	518
4.6000E+07	1.7800E-03	4.8000E+07	1.5000E-03	5.0000E+07	1.2500E-03	9339	3176	519
5.2000E+07	1.0700E-03	5.4000E+07	9.0600E-04	5.6000E+07	7.6000E-04	9339	3176	520
5.8000E+07	6.3500E-04	6.0000E+07	5.4300E-04	6.2000E+07	5.0600E-04	9339	3176	521
6.4000E+07	5.4400E-04	6.6000E+07	6.8800E-04	6.8000E+07	9.3800E-04	9339	3176	522
7.0000E+07	1.3100E-03	7.2000E+07	1.8100E-03	7.4000E+07	2.3200E-03	9339	3176	523
7.6000E+07	2.8400E-03	7.8000E+07	3.3400E-03	8.0000E+07	4.4400E-03	9339	3176	524
8.5000E+07	5.0300E-03	9.0000E+07	5.2000E-03	9.5000E+07	5.2000E-03	9339	3176	525
						9339	3	0
9.3239E+04	2.3900E+02	0	0	0	0	09339	3177	527
-1.5392E+06	-1.5392E+06	0	0	1	1	489339	3177	528
	48	2				9339	3177	529
1.5457E+06	0.0000E+00	1.7000E+07	7.7500E-13	1.8000E+07	7.3300E-08	9339	3177	530
1.9000E+07	5.2300E-07	2.0000E+07	2.0800E-06	2.1000E+07	6.9900E-06	9339	3177	531
2.2000E+07	2.1200E-05	2.3000E+07	6.0100E-05	2.4000E+07	1.5600E-04	9339	3177	532
2.5000E+07	3.6100E-04	2.6000E+07	7.3100E-04	2.7000E+07	1.2900E-03	9339	3177	533
2.8000E+07	1.8800E-03	2.9000E+07	2.7000E-03	3.0000E+07	3.6200E-03	9339	3177	534
3.1000E+07	4.5400E-03	3.2000E+07	5.3700E-03	3.3000E+07	6.0400E-03	9339	3177	535
3.4000E+07	6.5200E-03	3.5000E+07	6.8000E-03	3.6000E+07	6.9300E-03	9339	3177	536
3.7000E+07	6.8600E-03	3.8000E+07	6.7200E-03	3.9000E+07	6.4900E-03	9339	3177	537
4.0000E+07	5.5400E-03	4.2000E+07	4.8700E-03	4.4000E+07	4.1800E-03	9339	3177	538
4.6000E+07	3.6600E-03	4.8000E+07	3.1600E-03	5.0000E+07	2.6400E-03	9339	3177	539
5.2000E+07	2.2100E-03	5.4000E+07	1.8400E-03	5.6000E+07	1.5500E-03	9339	3177	540
5.8000E+07	1.3200E-03	6.0000E+07	1.1000E-03	6.2000E+07	9.2000E-04	9339	3177	541
6.4000E+07	7.6100E-04	6.6000E+07	6.2400E-04	6.8000E+07	5.0300E-04	9339	3177	542
7.0000E+07	3.9600E-04	7.2000E+07	3.2500E-04	7.4000E+07	3.0900E-04	9339	3177	543
7.6000E+07	3.7200E-04	7.8000E+07	5.1700E-04	8.0000E+07	1.1400E-03	9339	3177	544
8.5000E+07	1.9900E-03	9.0000E+07	2.8500E-03	9.5000E+07	3.5200E-03	9339	3177	545
						9339	3	0
9.3239E+04	2.3900E+02	0	0	0	0	09339	3178	547
-6.7490E+06	-6.7490E+06	0	0	1	1	439339	3178	548
	43	2				9339	3178	549
6.7773E+06	0.0000E+00	2.3000E+07	1.2100E-09	2.4000E+07	6.3200E-08	9339	3178	550
2.5000E+07	4.5800E-07	2.6000E+07	1.8800E-06	2.7000E+07	6.1100E-06	9339	3178	551
2.8000E+07	1.5300E-05	2.9000E+07	4.1800E-05	3.0000E+07	1.0900E-04	9339	3178	552
3.1000E+07	2.5900E-04	3.2000E+07	5.4600E-04	3.3000E+07	1.0200E-03	9339	3178	553
3.4000E+07	1.6900E-03	3.5000E+07	2.4900E-03	3.6000E+07	3.3900E-03	9339	3178	554
3.7000E+07	4.4100E-03	3.8000E+07	5.3900E-03	3.9000E+07	6.3500E-03	9339	3178	555
4.0000E+07	6.9333E-03	4.2000E+07	8.1000E-03	4.4000E+07	8.6000E-03	9339	3178	556
4.6000E+07	8.4500E-03	4.8000E+07	7.9000E-03	5.0000E+07	7.1400E-03	9339	3178	557
5.2000E+07	6.2600E-03	5.4000E+07	5.3600E-03	5.6000E+07	4.6300E-03	9339	3178	558
5.8000E+07	3.9700E-03	6.0000E+07	3.3800E-03	6.2000E+07	2.8100E-03	9339	3178	559
6.4000E+07	2.3300E-03	6.6000E+07	1.9600E-03	6.8000E+07	1.6800E-03	9339	3178	560
7.0000E+07	1.4400E-03	7.2000E+07	1.2200E-03	7.4000E+07	1.0000E-03	9339	3178	561
7.6000E+07	8.0000E-04	7.8000E+07	6.3300E-04	8.0000E+07	4.7300E-04	9339	3178	562
8.5000E+07	2.6000E-04	9.0000E+07	4.5500E-04	9.5000E+07	9.9400E-04	9339	3178	563
1.0000E+08	1.7200E-03					9339	3178	564
						9339	3	0
9.3239E+04	2.3900E+02	0	0	0	0	09339	3179	566
-1.3268E+07	-1.3268E+07	0	0	1	1	369339	3179	567
	36	2				9339	3179	568
1.3323E+07	0.0000E+00	3.0000E+07	2.7800E-10	3.1000E+07	1.2300E-08	9339	3179	569
3.2000E+07	1.0700E-07	3.3000E+07	5.1700E-07	3.4000E+07	1.8200E-06	9339	3179	570
3.5000E+07	5.6200E-06	3.6000E+07	1.6000E-05	3.7000E+07	4.3900E-05	9339	3179	571
3.8000E+07	1.0600E-04	3.9000E+07	2.3500E-04	4.0000E+07	5.4667E-04	9339	3179	572
4.2000E+07	1.1700E-03	4.4000E+07	2.3400E-03	4.6000E+07	3.8000E-03	9339	3179	573
4.8000E+07	5.1200E-03	5.0000E+07	6.0600E-03	5.2000E+07	6.4900E-03	9339	3179	574
5.4000E+07	6.4000E-03	5.6000E+07	6.0100E-03	5.8000E+07	5.4500E-03	9339	3179	575
6.0000E+07	4.8500E-03	6.2000E+07	4.2000E-03	6.4000E+07	3.6100E-03	9339	3179	576
6.6000E+07	3.0800E-03	6.8000E+07	2.6300E-03	7.0000E+07	2.2400E-03	9339	3179	577
7.2000E+07	1.9000E-03	7.4000E+07	1.6000E-03	7.6000E+07	1.3500E-03	9339	3179	578
7.8000E+07	1.1500E-03	8.0000E+07	9.5800E-04	8.5000E+07	5.7800E-04	9339	3179	579
9.0000E+07	2.7100E-04	9.5000E+07	1.1200E-04	1.0000E+08	1.7700E-04	9339	3179	580
						9339	3	0
9.3239E+04	2.3900E+02	0	0	0	0	09339	3180	582

-1.8828E+07	-1.8828E+07	0	0	1	319339	3180	583
31	2				9339	3180	584
1.8907E+07	0.0000E+00	3.5000E+07	1.8800E-14	3.6000E+07	7.5300E-11	9339	3180
3.7000E+07	2.9300E-09	3.8000E+07	2.7300E-08	3.9000E+07	1.4600E-07	9339	3180
4.0000E+07	1.2740E-06	4.2000E+07	3.5300E-06	4.4000E+07	2.3100E-05	9339	3180
4.6000E+07	1.1700E-04	4.8000E+07	3.8800E-04	5.0000E+07	9.4000E-04	9339	3180
5.2000E+07	1.7800E-03	5.4000E+07	2.7700E-03	5.6000E+07	3.6300E-03	9339	3180
5.8000E+07	4.2200E-03	6.0000E+07	4.5300E-03	6.2000E+07	4.5300E-03	9339	3180
6.4000E+07	4.3000E-03	6.6000E+07	3.9300E-03	6.8000E+07	3.5500E-03	9339	3180
7.0000E+07	3.1200E-03	7.2000E+07	2.7500E-03	7.4000E+07	2.3900E-03	9339	3180
7.6000E+07	2.0100E-03	7.8000E+07	1.7200E-03	8.0000E+07	1.4500E-03	9339	3180
8.5000E+07	9.7400E-04	9.0000E+07	6.2400E-04	9.5000E+07	3.6000E-04	9339	3180
1.0000E+08	1.6100E-04				9339	3	0
					9339	3	0
9.3239E+04	2.3900E+02	0	0	0	09339	3181	597
-2.5642E+07	-2.5642E+07	0	0	1	259339	3181	598
25	2				9339	3181	599
2.5750E+07	0.0000E+00	4.2000E+07	1.1800E-14	4.4000E+07	1.7100E-10	9339	3181
4.6000E+07	1.2800E-08	4.8000E+07	2.0400E-07	5.0000E+07	1.7200E-06	9339	3181
5.2000E+07	1.2900E-05	5.4000E+07	7.1100E-05	5.6000E+07	2.3300E-04	9339	3181
5.8000E+07	5.7500E-04	6.0000E+07	1.1000E-03	6.2000E+07	1.8000E-03	9339	3181
6.4000E+07	2.4700E-03	6.6000E+07	3.0000E-03	6.8000E+07	3.3000E-03	9339	3181
7.0000E+07	3.4100E-03	7.2000E+07	3.2600E-03	7.4000E+07	3.0700E-03	9339	3181
7.6000E+07	2.7900E-03	7.8000E+07	2.5000E-03	8.0000E+07	2.2000E-03	9339	3181
8.5000E+07	1.5300E-03	9.0000E+07	1.0300E-03	9.5000E+07	6.9200E-04	9339	3181
1.0000E+08	4.3900E-04				9339	3181	608
					9339	3	0
					9339	3	0
9.3239E+04	2.3900E+02	0	0	0	09339	3182	610
-3.1436E+07	-3.1436E+07	0	0	1	229339	3182	611
22	2				9339	3182	612
3.1567E+07	0.0000E+00	4.8000E+07	7.8400E-16	5.0000E+07	7.9800E-12	9339	3182
5.2000E+07	8.5200E-10	5.4000E+07	2.4800E-08	5.6000E+07	2.8900E-07	9339	3182
5.8000E+07	2.2000E-06	6.0000E+07	1.2200E-05	6.2000E+07	5.2200E-05	9339	3182
6.4000E+07	1.5600E-04	6.6000E+07	3.5400E-04	6.8000E+07	6.3500E-04	9339	3182
7.0000E+07	9.8000E-04	7.2000E+07	1.3700E-03	7.4000E+07	1.7300E-03	9339	3182
7.6000E+07	2.0300E-03	7.8000E+07	2.1900E-03	8.0000E+07	2.2500E-03	9339	3182
8.5000E+07	2.0000E-03	9.0000E+07	1.5200E-03	9.5000E+07	1.0900E-03	9339	3182
1.0000E+08	7.4300E-04				9339	3182	620
					9339	3	0
					9339	3	0
9.3239E+04	2.3900E+02	0	0	0	09339	3183	622
-3.8490E+07	-3.8490E+07	0	0	1	189339	3183	623
18	2				9339	3183	624
3.8651E+07	0.0000E+00	5.6000E+07	1.8300E-15	5.8000E+07	2.4100E-12	9339	3183
6.0000E+07	2.1500E-10	6.2000E+07	5.4300E-09	6.4000E+07	7.0200E-08	9339	3183
6.6000E+07	5.9400E-07	6.8000E+07	3.2500E-06	7.0000E+07	1.3100E-05	9339	3183
7.2000E+07	4.0300E-05	7.4000E+07	1.0300E-04	7.6000E+07	2.2000E-04	9339	3183
7.8000E+07	3.7500E-04	8.0000E+07	5.6500E-04	8.5000E+07	1.0300E-03	9339	3183
9.0000E+07	1.2200E-03	9.5000E+07	1.1200E-03	1.0000E+08	8.8100E-04	9339	3183
					9339	3	0
					9339	0	0
					0	0	0
					-1	0	0
					0	0	0
Pu-236	WIND				0	0	0
9.4236E+04	2.3600E+02	-1	0	99	19436	1451	1
0.0000E+00	0.0000E+00	0	0	0	69436	1451	2
1.0000E+00	0.0000E+00	0	0	10	29436	1451	3
0.0000E+00	0.0000E+00	0	0	67	339436	1451	4
94-Pu-236	INPE	EVAL-SEP94 YU.A.KOROVIN ET.AL.			9436	1451	5
		DIST-OCT94			9436	1451	6
----	WIND	MATERIAL 9436			9436	1451	7
-----	INCIDENT-NEUTRON DATA				9436	1451	8
-----	ENDF-6 FORMAT				9436	1451	9
AUTHORS OF EVALUATION: A.YU.KONOBEYEV, YU.A.KOROVIN,					9436	1451	10
P.E.PERESLAVTSEV, V.I.PLYASKIN					9436	1451	11
					9436	1451	12
FILE OF ACTINIDE DATA LIBRARY WIND					9436	1451	13
ENERGY OF PROJECTILE: 0-100 MEV					9436	1451	14

REFERENCE: KERNTTECHNIK, 1994, V.59, P.87

CONTENT OF FILE:

MF = 1 GENERAL INFORMATION

MT = 451 COMMENTS AND DICTIONARY

MF = 3 NEUTRON CROSS-SECTIONS

(N,2N) REACTION CROSS-SECTIONS ARE ORIGINAL

(N,3N) REACTION CROSS-SECTIONS ARE ORIGINAL

(N,F) REACTION CROSS-SECTIONS BELOW 2 MEV ARE FROM ENDF/B-VI

THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION IS AVAILABLE FROM THE AUTHORS AFTER REQUEST

MT=16,17,18,37,103,111 ARE STANDARD ENDF-6 SECTIONS, OTHER MT NUMBERS ARE NEW ASSIGNED

IN FOLLOWING DESCRIPTION " (N,X) " MEANS SUM CROSS-SECTIONS OF ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT RADIOACTIVE DECAY TAKEN INTO ACCOUNT

MT = 16 (N,2N)	CROSS-SECTION (Pu235 PRODUCTION)	9436 1451 39
MT = 17 (N,3N)	CROSS-SECTION (Pu234 PRODUCTION)	9436 1451 40
MT = 18 (N,F) FISSION	CROSS-SECTION	9436 1451 41
MT = 37 (N,4N)	CROSS-SECTION (Pu233 PRODUCTION)	9436 1451 42
MT =103 (N,P)	CROSS-SECTION (Np236 PRODUCTION)	9436 1451 43
MT =111 (N,2P)	CROSS-SECTION (U235 PRODUCTION)	9436 1451 44
MT =121 (N,5N)	CROSS-SECTION (Pu232 PRODUCTION)	9436 1451 45
MT =122 (N,6N)	CROSS-SECTION (Pu231 PRODUCTION)	9436 1451 46
MT =123 (N,7N)	CROSS-SECTION (Pu230 PRODUCTION)	9436 1451 47
MT =124 (N,8N)	CROSS-SECTION (Pu229 PRODUCTION)	9436 1451 48
MT =125 (N,9N)	CROSS-SECTION (Pu228 PRODUCTION)	9436 1451 49
MT =126 (N,10N)	CROSS-SECTION (Pu227 PRODUCTION)	9436 1451 50
MT =153 (N,NP) + (N,D)	CROSS-SECTION (Np235 PRODUCTION)	9436 1451 51
MT =154 (N,2NP) + (N,ND)	CROSS-SECTION (Np234 PRODUCTION)	9436 1451 52
MT =155 (N,3NP) + (N,2ND)	CROSS-SECTION (Np233 PRODUCTION)	9436 1451 53
MT =156 (N,4NP) + (N,3ND)	CROSS-SECTION (Np232 PRODUCTION)	9436 1451 54
MT =157 (N,5NP) + (N,4ND)	CROSS-SECTION (Np231 PRODUCTION)	9436 1451 55
MT =158 (N,6NP) + (N,5ND)	CROSS-SECTION (Np230 PRODUCTION)	9436 1451 56
MT =159 (N,7NP) + (N,6ND)	CROSS-SECTION (Np229 PRODUCTION)	9436 1451 57
MT =160 (N,8NP) + (N,7ND)	CROSS-SECTION (Np228 PRODUCTION)	9436 1451 58
MT =161 (N,9NP) + (N,8ND)	CROSS-SECTION (Np227 PRODUCTION)	9436 1451 59
MT =162 (N,10NP) + (N,9ND)	CROSS-SECTION (Np226 PRODUCTION)	9436 1451 60
MT =174 (N,N2P) + (N,PD)	CROSS-SECTION (U234 PRODUCTION)	9436 1451 61
MT =175 (N,2N2P) + (N,X)	CROSS-SECTION (U233 PRODUCTION)	9436 1451 62
MT =176 (N,3N2P) + (N,X)	CROSS-SECTION (U232 PRODUCTION)	9436 1451 63
MT =177 (N,4N2P) + (N,X)	CROSS-SECTION (U231 PRODUCTION)	9436 1451 64
MT =178 (N,5N2P) + (N,X)	CROSS-SECTION (U230 PRODUCTION)	9436 1451 65
MT =179 (N,6N2P) + (N,X)	CROSS-SECTION (U229 PRODUCTION)	9436 1451 66
MT =180 (N,7N2P) + (N,X)	CROSS-SECTION (U228 PRODUCTION)	9436 1451 67
MT =181 (N,8N2P) + (N,X)	CROSS-SECTION (U227 PRODUCTION)	9436 1451 68
MT =182 (N,9N2P) + (N,X)	CROSS-SECTION (U226 PRODUCTION)	9436 1451 69
MT =183 (N,10N2P) + (N,X)	CROSS-SECTION (U225 PRODUCTION)	9436 1451 70
		9436 1451 71
	1 451 104	19436 1451 72
	3 16 23	19436 1451 73
	3 17 21	19436 1451 74
	3 18 29	19436 1451 75
	3 37 18	19436 1451 76
	3 103 23	19436 1451 77
	3 111 19	19436 1451 78
	3 121 16	19436 1451 79
	3 122 13	19436 1451 80
	3 123 11	19436 1451 81

			3	124	10	19436	1451	82	
			3	125	9	19436	1451	83	
			3	126	7	19436	1451	84	
			3	153	21	19436	1451	85	
			3	154	18	19436	1451	86	
			3	155	17	19436	1451	87	
			3	156	15	19436	1451	88	
			3	157	13	19436	1451	89	
			3	158	11	19436	1451	90	
			3	159	9	19436	1451	91	
			3	160	7	19436	1451	92	
			3	161	6	19436	1451	93	
			3	162	6	19436	1451	94	
			3	174	16	19436	1451	95	
			3	175	24	19436	1451	96	
			3	176	22	19436	1451	97	
			3	177	19	19436	1451	98	
			3	178	17	19436	1451	99	
			3	179	15	19436	1451	100	
			3	180	12	19436	1451	101	
			3	181	11	19436	1451	102	
			3	182	9	19436	1451	103	
			3	183	9	19436	1451	104	
						9436	1	0	105
						9436	0	0	106
9.4236E+04	2.3600E+02		0	0	0	09436	3	16	107
-7.3287E+06	-7.3287E+06		0	0	1	589436	3	16	108
	58	2				9436	3	16	109
7.3598E+06	0.0000E+00	8.0000E+06	9.0800E-03	9.0000E+06	2.5400E-02	9436	3	16	110
1.0000E+07	3.5300E-02	1.1000E+07	4.0900E-02	1.2000E+07	4.6900E-02	9436	3	16	111
1.3000E+07	5.2300E-02	1.4000E+07	5.5300E-02	1.5000E+07	5.7400E-02	9436	3	16	112
1.6000E+07	5.4900E-02	1.7000E+07	5.1600E-02	1.8000E+07	4.6400E-02	9436	3	16	113
1.9000E+07	4.3467E-02	2.0000E+07	4.0533E-02	2.1000E+07	3.7600E-02	9436	3	16	114
2.2000E+07	3.3300E-02	2.3000E+07	3.1700E-02	2.4000E+07	3.0800E-02	9436	3	16	115
2.5000E+07	2.9900E-02	2.6000E+07	2.8900E-02	2.7000E+07	2.6800E-02	9436	3	16	116
2.8000E+07	2.6200E-02	2.9000E+07	2.5700E-02	3.0000E+07	2.5300E-02	9436	3	16	117
3.1000E+07	2.4100E-02	3.2000E+07	2.3900E-02	3.3000E+07	2.3700E-02	9436	3	16	118
3.4000E+07	2.3600E-02	3.5000E+07	2.3300E-02	3.6000E+07	2.3100E-02	9436	3	16	119
3.7000E+07	2.2500E-02	3.8000E+07	2.2400E-02	3.9000E+07	2.2400E-02	9436	3	16	120
4.0000E+07	2.2400E-02	4.2000E+07	2.0200E-02	4.4000E+07	1.9900E-02	9436	3	16	121
4.6000E+07	1.9600E-02	4.8000E+07	1.9500E-02	5.0000E+07	1.9300E-02	9436	3	16	122
5.2000E+07	1.9300E-02	5.4000E+07	1.9400E-02	5.6000E+07	1.9200E-02	9436	3	16	123
5.8000E+07	1.9200E-02	6.0000E+07	1.9100E-02	6.2000E+07	1.9100E-02	9436	3	16	124
6.4000E+07	1.8900E-02	6.6000E+07	1.8900E-02	6.8000E+07	1.8700E-02	9436	3	16	125
7.0000E+07	1.8400E-02	7.2000E+07	1.8400E-02	7.4000E+07	1.8200E-02	9436	3	16	126
7.6000E+07	1.8200E-02	7.8000E+07	1.8100E-02	8.0000E+07	1.7900E-02	9436	3	16	127
8.5000E+07	1.7800E-02	9.0000E+07	1.7500E-02	9.5000E+07	1.7200E-02	9436	3	16	128
1.0000E+08	1.6900E-02					9436	3	16	129
						9436	3	0	130
9.4236E+04	2.3600E+02		0	0	0	09436	3	17	131
-1.3607E+07	-1.3607E+07		0	0	1	529436	3	17	132
	52	2				9436	3	17	133
1.3665E+07	0.0000E+00	1.4000E+07	4.0000E-07	1.5000E+07	2.1100E-04	9436	3	17	134
1.6000E+07	7.8900E-04	1.7000E+07	1.2700E-03	1.8000E+07	1.8300E-03	9436	3	17	135
1.9000E+07	2.2800E-03	2.0000E+07	2.7300E-03	2.1000E+07	3.1800E-03	9436	3	17	136
2.2000E+07	3.4100E-03	2.3000E+07	3.4500E-03	2.4000E+07	3.4200E-03	9436	3	17	137
2.5000E+07	3.3400E-03	2.6000E+07	3.2300E-03	2.7000E+07	3.0300E-03	9436	3	17	138
2.8000E+07	2.8600E-03	2.9000E+07	2.6900E-03	3.0000E+07	2.5200E-03	9436	3	17	139
3.1000E+07	2.3600E-03	3.2000E+07	2.2300E-03	3.3000E+07	2.1200E-03	9436	3	17	140
3.4000E+07	2.0100E-03	3.5000E+07	1.9000E-03	3.6000E+07	1.8100E-03	9436	3	17	141
3.7000E+07	1.7200E-03	3.8000E+07	1.6700E-03	3.9000E+07	1.6100E-03	9436	3	17	142
4.0000E+07	1.5500E-03	4.2000E+07	1.4100E-03	4.4000E+07	1.3400E-03	9436	3	17	143
4.6000E+07	1.3000E-03	4.8000E+07	1.2700E-03	5.0000E+07	1.2300E-03	9436	3	17	144
5.2000E+07	1.2200E-03	5.4000E+07	1.2100E-03	5.6000E+07	1.1900E-03	9436	3	17	145
5.8000E+07	1.1800E-03	6.0000E+07	1.1800E-03	6.2000E+07	1.1800E-03	9436	3	17	146
6.4000E+07	1.1700E-03	6.6000E+07	1.1600E-03	6.8000E+07	1.1600E-03	9436	3	17	147
7.0000E+07	1.1500E-03	7.2000E+07	1.1500E-03	7.4000E+07	1.1400E-03	9436	3	17	148

7.6000E+07	1.1300E-03	7.8000E+07	1.1200E-03	8.0000E+07	1.1200E-03	93436	3	17	149
8.5000E+07	1.1200E-03	9.0000E+07	1.1100E-03	9.5000E+07	1.0900E-03	93436	3	17	150
1.0000E+08	1.0100E-03					9436	3	17	151
						9436	3	0	152
9.4236E+04	2.3600E+02	0	0	0		09436	3	18	153
1.9464E+08	1.9464E+08	0	0	1		769436	3	18	154
76	2					9436	3	18	155
1.0000E+05	8.5000E-01	2.0000E+05	9.5000E-01	2.5000E+05	1.0300E+00	9436	3	18	156
2.7500E+05	1.1100E+00	3.0000E+05	1.2000E+00	3.5000E+05	1.3200E+00	9436	3	18	157
4.0000E+05	1.4800E+00	4.6000E+05	1.6200E+00	5.0000E+05	1.7500E+00	9436	3	18	158
6.0000E+05	1.8900E+00	6.9000E+05	1.9850E+00	7.0000E+05	2.1020E+00	9436	3	18	159
1.0000E+06	2.5210E+00	1.5000E+06	2.7730E+00	3.0000E+06	2.8533E+00	9436	3	18	160
4.0000E+06	2.7036E+00	5.0000E+06	2.6069E+00	6.0000E+06	2.5625E+00	9436	3	18	161
7.0000E+06	2.6949E+00	8.0000E+06	2.7835E+00	9.0000E+06	2.7808E+00	9436	3	18	162
1.0000E+07	2.7624E+00	1.1000E+07	2.7523E+00	1.2000E+07	2.7266E+00	9436	3	18	163
1.3000E+07	2.6953E+00	1.4000E+07	2.6614E+00	1.5000E+07	2.6170E+00	9436	3	18	164
1.6000E+07	2.5832E+00	1.7000E+07	2.5605E+00	1.8000E+07	2.5572E+00	9436	3	18	165
1.9000E+07	2.5423E+00	2.0000E+07	2.5275E+00	2.1000E+07	2.5126E+00	9436	3	18	166
2.2000E+07	2.4927E+00	2.3000E+07	2.4672E+00	2.4000E+07	2.4456E+00	9436	3	18	167
2.5000E+07	2.4308E+00	2.6000E+07	2.4199E+00	2.7000E+07	2.4130E+00	9436	3	18	168
2.8000E+07	2.3995E+00	2.9000E+07	2.3828E+00	3.0000E+07	2.3666E+00	9436	3	18	169
3.1000E+07	2.3547E+00	3.2000E+07	2.3408E+00	3.3000E+07	2.3294E+00	9436	3	18	170
3.4000E+07	2.3183E+00	3.5000E+07	2.3076E+00	3.6000E+07	2.2958E+00	9436	3	18	171
3.7000E+07	2.2858E+00	3.8000E+07	2.2742E+00	3.9000E+07	2.2631E+00	9436	3	18	172
4.0000E+07	2.2534E+00	4.2000E+07	2.2440E+00	4.4000E+07	2.2258E+00	9436	3	18	173
4.6000E+07	2.2055E+00	4.8000E+07	2.1845E+00	5.0000E+07	2.1689E+00	9436	3	18	174
5.2000E+07	2.1524E+00	5.4000E+07	2.1358E+00	5.6000E+07	2.1193E+00	9436	3	18	175
5.8000E+07	2.1029E+00	6.0000E+07	2.0930E+00	6.2000E+07	2.0779E+00	9436	3	18	176
6.4000E+07	2.0628E+00	6.6000E+07	2.0470E+00	6.8000E+07	2.0325E+00	9436	3	18	177
7.0000E+07	2.0185E+00	7.2000E+07	2.0045E+00	7.4000E+07	1.9904E+00	9436	3	18	178
7.6000E+07	1.9766E+00	7.8000E+07	1.9634E+00	8.0000E+07	1.9509E+00	9436	3	18	179
8.5000E+07	1.9193E+00	9.0000E+07	1.8887E+00	9.5000E+07	1.8605E+00	9436	3	18	180
1.0000E+08	1.8335E+00					9436	3	18	181
						9436	3	0	182
9.4236E+04	2.3600E+02	0	0	0		09436	3	37	183
-2.1368E+07	-2.1368E+07	0	0	1		449436	3	37	184
44	2					9436	3	37	185
2.1459E+07	0.0000E+00	2.2000E+07	6.2300E-09	2.3000E+07	6.1500E-07	9436	3	37	186
2.4000E+07	4.0500E-06	2.5000E+07	1.2000E-05	2.6000E+07	2.3700E-05	9436	3	37	187
2.7000E+07	3.6800E-05	2.8000E+07	5.1100E-05	2.9000E+07	6.5800E-05	9436	3	37	188
3.0000E+07	7.9700E-05	3.1000E+07	9.1000E-05	3.2000E+07	9.8900E-05	9436	3	37	189
3.3000E+07	1.0400E-04	3.4000E+07	1.0600E-04	3.5000E+07	1.0600E-04	9436	3	37	190
3.6000E+07	1.0300E-04	3.7000E+07	9.9300E-05	3.8000E+07	9.5600E-05	9436	3	37	191
3.9000E+07	9.0600E-05	4.0000E+07	8.6500E-05	4.2000E+07	7.4700E-05	9436	3	37	192
4.4000E+07	6.6600E-05	4.6000E+07	5.9800E-05	4.8000E+07	5.5100E-05	9436	3	37	193
5.0000E+07	5.1300E-05	5.2000E+07	4.7600E-05	5.4000E+07	4.4800E-05	9436	3	37	194
5.6000E+07	4.2200E-05	5.8000E+07	4.0300E-05	6.0000E+07	3.8800E-05	9436	3	37	195
6.2000E+07	3.7800E-05	6.4000E+07	3.6400E-05	6.6000E+07	3.5500E-05	9436	3	37	196
6.8000E+07	3.4700E-05	7.0000E+07	3.3800E-05	7.2000E+07	3.3500E-05	9436	3	37	197
7.4000E+07	3.3000E-05	7.6000E+07	3.2800E-05	7.8000E+07	3.2500E-05	9436	3	37	198
8.0000E+07	3.2200E-05	8.5000E+07	3.1400E-05	9.0000E+07	3.0800E-05	9436	3	37	199
9.5000E+07	3.0200E-05	1.0000E+08	3.0000E-05			9436	3	37	200
						9436	3	0	201
9.4236E+04	2.3600E+02	0	0	0		09436	3103		202
2.4547E+05	2.4547E+05	0	0	1		599436	3103		203
59	2					9436	3103		204
1.0000E-05	0.0000E+00	7.0000E+06	3.9400E-05	8.0000E+06	1.6700E-04	9436	3103		205
9.0000E+06	4.9900E-04	1.0000E+07	1.1100E-03	1.1000E+07	2.1800E-03	9436	3103		206
1.2000E+07	4.0700E-03	1.3000E+07	6.6200E-03	1.4000E+07	8.8400E-03	9436	3103		207
1.5000E+07	1.2900E-02	1.6000E+07	1.7500E-02	1.7000E+07	2.2200E-02	9436	3103		208
1.8000E+07	2.4800E-02	1.9000E+07	2.8067E-02	2.0000E+07	3.1333E-02	9436	3103		209
2.1000E+07	3.4600E-02	2.2000E+07	3.5000E-02	2.3000E+07	3.6600E-02	9436	3103		210
2.4000E+07	3.8200E-02	2.5000E+07	3.9600E-02	2.6000E+07	4.0700E-02	9436	3103		211
2.7000E+07	4.0700E-02	2.8000E+07	4.0900E-02	2.9000E+07	4.0900E-02	9436	3103		212
3.0000E+07	4.0800E-02	3.1000E+07	4.0600E-02	3.2000E+07	4.0800E-02	9436	3103		213
3.3000E+07	4.0900E-02	3.4000E+07	4.0800E-02	3.5000E+07	4.0500E-02	9436	3103		214
3.6000E+07	4.0100E-02	3.7000E+07	3.9400E-02	3.8000E+07	3.9000E-02	9436	3103		215

3.9000E+07	3.8700E-02	4.0000E+07	3.8400E-02	4.2000E+07	3.8200E-02	9436	3103	216
4.4000E+07	3.7100E-02	4.6000E+07	3.6200E-02	4.8000E+07	3.5200E-02	9436	3103	217
5.0000E+07	3.4300E-02	5.2000E+07	3.3400E-02	5.4000E+07	3.2500E-02	9436	3103	218
5.6000E+07	3.1600E-02	5.8000E+07	3.0700E-02	6.0000E+07	2.9900E-02	9436	3103	219
6.2000E+07	2.9100E-02	6.4000E+07	2.8300E-02	6.6000E+07	2.7500E-02	9436	3103	220
6.8000E+07	2.6800E-02	7.0000E+07	2.6000E-02	7.2000E+07	2.5300E-02	9436	3103	221
7.4000E+07	2.4700E-02	7.6000E+07	2.4000E-02	7.8000E+07	2.3400E-02	9436	3103	222
8.0000E+07	2.2800E-02	8.5000E+07	2.1400E-02	9.0000E+07	2.0100E-02	9436	3103	223
9.5000E+07	1.9000E-02	1.0000E+08	1.7900E-02			9436	3103	224
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3111	226
-4.5342E+06	-4.5342E+06	0	0	1		489436	3111	227
	48	2				9436	3111	228
4.5534E+06	0.0000E+00	1.8000E+07	8.9400E-08	1.9000E+07	5.9929E-06	9436	3111	229
2.0000E+07	1.1896E-05	2.1000E+07	1.7800E-05	2.2000E+07	4.1100E-05	9436	3111	230
2.3000E+07	8.7100E-05	2.4000E+07	1.6000E-04	2.5000E+07	2.6300E-04	9436	3111	231
2.6000E+07	3.9500E-04	2.7000E+07	5.1500E-04	2.8000E+07	6.9200E-04	9436	3111	232
2.9000E+07	8.9100E-04	3.0000E+07	1.1100E-03	3.1000E+07	1.2800E-03	9436	3111	233
3.2000E+07	1.5500E-03	3.3000E+07	1.8300E-03	3.4000E+07	2.1300E-03	9436	3111	234
3.5000E+07	2.4300E-03	3.6000E+07	2.7400E-03	3.7000E+07	2.9600E-03	9436	3111	235
3.8000E+07	3.2800E-03	3.9000E+07	3.6000E-03	4.0000E+07	3.9100E-03	9436	3111	236
4.2000E+07	4.1400E-03	4.4000E+07	4.3800E-03	4.6000E+07	4.6400E-03	9436	3111	237
4.8000E+07	4.8300E-03	5.0000E+07	4.9400E-03	5.2000E+07	5.0900E-03	9436	3111	238
5.4000E+07	5.1800E-03	5.6000E+07	5.2500E-03	5.8000E+07	5.3400E-03	9436	3111	239
6.0000E+07	5.4200E-03	6.2000E+07	5.4300E-03	6.4000E+07	5.5100E-03	9436	3111	240
6.6000E+07	5.5700E-03	6.8000E+07	5.6100E-03	7.0000E+07	5.6500E-03	9436	3111	241
7.2000E+07	5.6400E-03	7.4000E+07	5.6600E-03	7.6000E+07	5.6800E-03	9436	3111	242
7.8000E+07	5.7000E-03	8.0000E+07	5.7100E-03	8.5000E+07	5.7400E-03	9436	3111	243
9.0000E+07	5.7700E-03	9.5000E+07	5.7700E-03	1.0000E+08	5.7700E-03	9436	3	0
						09436	3121	245
9.4236E+04	2.3600E+02	0	0	0		09436	3121	246
-2.7760E+07	-2.7760E+07	0	0	1		379436	3121	247
	37	2				9436	3121	248
2.7877E+07	0.0000E+00	2.9000E+07	5.5700E-11	3.0000E+07	3.1500E-09	9436	3121	249
3.1000E+07	2.1600E-08	3.2000E+07	7.7600E-08	3.3000E+07	1.8200E-07	9436	3121	250
3.4000E+07	3.2500E-07	3.5000E+07	4.8700E-07	3.6000E+07	6.6300E-07	9436	3121	251
3.7000E+07	8.5300E-07	3.8000E+07	1.0000E-06	3.9000E+07	1.1400E-06	9436	3121	252
4.0000E+07	1.2500E-06	4.2000E+07	1.4000E-06	4.4000E+07	1.4200E-06	9436	3121	253
4.6000E+07	1.3400E-06	4.8000E+07	1.2200E-06	5.0000E+07	1.1100E-06	9436	3121	254
5.2000E+07	1.0100E-06	5.4000E+07	9.2500E-07	5.6000E+07	8.7500E-07	9436	3121	255
5.8000E+07	8.0100E-07	6.0000E+07	7.6500E-07	6.2000E+07	7.1800E-07	9436	3121	256
6.4000E+07	6.6000E-07	6.6000E+07	6.2300E-07	6.8000E+07	5.9000E-07	9436	3121	257
7.0000E+07	5.6100E-07	7.2000E+07	5.4100E-07	7.4000E+07	5.2200E-07	9436	3121	258
7.6000E+07	5.0900E-07	7.8000E+07	4.9400E-07	8.0000E+07	4.8300E-07	9436	3121	259
8.5000E+07	4.7000E-07	9.0000E+07	4.4600E-07	9.5000E+07	4.3100E-07	9436	3121	260
1.0000E+08	4.2400E-07					9436	3121	261
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3122	263
-3.5785E+07	-3.5785E+07	0	0	1		299436	3122	264
	29	2				9436	3122	265
3.5937E+07	0.0000E+00	3.7000E+07	3.4700E-15	3.8000E+07	4.8100E-13	9436	3122	266
3.9000E+07	7.6700E-12	4.0000E+07	4.4000E-11	4.2000E+07	5.2800E-10	9436	3122	267
4.4000E+07	1.6800E-09	4.6000E+07	3.2200E-09	4.8000E+07	4.7400E-09	9436	3122	268
5.0000E+07	6.1200E-09	5.2000E+07	7.3600E-09	5.4000E+07	8.0000E-09	9436	3122	269
5.6000E+07	8.1600E-09	5.8000E+07	7.9300E-09	6.0000E+07	7.4200E-09	9436	3122	270
6.2000E+07	6.9400E-09	6.4000E+07	6.4300E-09	6.6000E+07	6.0200E-09	9436	3122	271
6.8000E+07	5.6400E-09	7.0000E+07	5.3300E-09	7.2000E+07	4.9900E-09	9436	3122	272
7.4000E+07	4.8200E-09	7.6000E+07	4.6600E-09	7.8000E+07	4.5200E-09	9436	3122	273
8.0000E+07	4.4100E-09	8.5000E+07	4.1600E-09	9.0000E+07	3.8100E-09	9436	3122	274
9.5000E+07	3.4900E-09	1.0000E+08	3.3000E-09			9436	3122	275
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3123	277
-4.2507E+07	-4.2507E+07	0	0	1		249436	3123	278
	24	2				9436	3123	279
4.2687E+07	0.0000E+00	4.4000E+07	7.2000E-18	4.6000E+07	7.4300E-15	9436	3123	280
4.8000E+07	1.4800E-13	5.0000E+07	9.2800E-13	5.2000E+07	2.8400E-12	9436	3123	281
5.4000E+07	5.6200E-12	5.6000E+07	8.5500E-12	5.8000E+07	1.1400E-11	9436	3123	282

6.0000E+07	1.3900E-11	6.2000E+07	1.6100E-11	6.4000E+07	1.7800E-11	9436	3123	283
6.6000E+07	1.8400E-11	6.8000E+07	1.8300E-11	7.0000E+07	1.7800E-11	9436	3123	284
7.2000E+07	1.7000E-11	7.4000E+07	1.6000E-11	7.6000E+07	1.5000E-11	9436	3123	285
7.8000E+07	1.4000E-11	8.0000E+07	1.3200E-11	8.5000E+07	1.1800E-11	9436	3123	286
9.0000E+07	1.1200E-11	9.5000E+07	1.0900E-11	1.0000E+08	1.0200E-11	9436	3123	287
						9436	3 0	288
9.4236E+04	2.3600E+02	0	0	0	0	09436	3124	289
-5.0820E+07	-5.0820E+07	0	0	1	1	199436	3124	290
	19	2				9436	3124	291
5.1035E+07	0.0000E+00	5.4000E+07	9.2100E-20	5.6000E+07	7.6700E-18	9436	3124	292
5.8000E+07	1.0500E-16	6.0000E+07	4.2900E-16	6.2000E+07	1.4200E-15	9436	3124	293
6.4000E+07	3.3300E-15	6.6000E+07	5.5700E-15	6.8000E+07	7.8400E-15	9436	3124	294
7.0000E+07	9.8800E-15	7.2000E+07	1.1800E-14	7.4000E+07	1.3600E-14	9436	3124	295
7.6000E+07	1.5200E-14	7.8000E+07	1.6400E-14	8.0000E+07	1.7000E-14	9436	3124	296
8.5000E+07	1.6900E-14	9.0000E+07	1.5200E-14	9.5000E+07	1.3300E-14	9436	3124	297
1.0000E+08	1.2300E-14					9436	3124	298
						9436	3 0	299
9.4236E+04	2.3600E+02	0	0	0	0	09436	3125	300
-5.7805E+07	-5.7805E+07	0	0	1	1	169436	3125	301
	16	2				9436	3125	302
5.8050E+07	0.0000E+00	6.0000E+07	5.9100E-27	6.2000E+07	9.0900E-23	9436	3125	303
6.4000E+07	8.9900E-21	6.6000E+07	1.2100E-19	6.8000E+07	8.3200E-19	9436	3125	304
7.0000E+07	2.8200E-18	7.2000E+07	6.8000E-18	7.4000E+07	1.2800E-17	9436	3125	305
7.6000E+07	2.0200E-17	7.8000E+07	2.7200E-17	8.0000E+07	3.4100E-17	9436	3125	306
8.5000E+07	5.0000E-17	9.0000E+07	6.4300E-17	9.5000E+07	7.1400E-17	9436	3125	307
1.0000E+08	7.1200E-17					9436	3125	308
						9436	3 0	309
9.4236E+04	2.3600E+02	0	0	0	0	09436	3126	310
-6.6326E+07	-6.6326E+07	0	0	1	1	119436	3126	311
	11	2				9436	3126	312
6.6607E+07	0.0000E+00	7.0000E+07	2.7200E-27	7.2000E+07	4.1400E-23	9436	3126	313
7.4000E+07	1.0700E-23	7.6000E+07	1.1700E-22	7.8000E+07	6.2100E-22	9436	3126	314
8.0000E+07	2.2000E-21	8.5000E+07	1.4600E-20	9.0000E+07	3.4900E-20	9436	3126	315
9.5000E+07	5.0500E-20	1.0000E+08	6.4200E-20			9436	3126	316
						9436	3 0	317
9.4236E+04	2.3600E+02	0	0	0	0	09436	3153	318
-3.2151E+06	-3.2151E+06	0	0	1	1	539436	3153	319
	53	2				9436	3153	320
3.2287E+06	0.0000E+00	1.3000E+07	1.1700E-03	1.4000E+07	1.6800E-03	9436	3153	321
1.5000E+07	2.8000E-03	1.6000E+07	4.2700E-03	1.7000E+07	6.1000E-03	9436	3153	322
1.8000E+07	7.2700E-03	1.9000E+07	1.0213E-02	2.0000E+07	1.3157E-02	9436	3153	323
2.1000E+07	1.6100E-02	2.2000E+07	1.8200E-02	2.3000E+07	2.2400E-02	9436	3153	324
2.4000E+07	2.6800E-02	2.5000E+07	3.1100E-02	2.6000E+07	3.5300E-02	9436	3153	325
2.7000E+07	3.8000E-02	2.8000E+07	4.1700E-02	2.9000E+07	4.5000E-02	9436	3153	326
3.0000E+07	4.7700E-02	3.1000E+07	4.8700E-02	3.2000E+07	5.1000E-02	9436	3153	327
3.3000E+07	5.2900E-02	3.4000E+07	5.4200E-02	3.5000E+07	5.4900E-02	9436	3153	328
3.6000E+07	5.4600E-02	3.7000E+07	5.3300E-02	3.8000E+07	5.3100E-02	9436	3153	329
3.9000E+07	5.2900E-02	4.0000E+07	5.2800E-02	4.2000E+07	4.8000E-02	9436	3153	330
4.4000E+07	4.7500E-02	4.6000E+07	4.7400E-02	4.8000E+07	4.7500E-02	9436	3153	331
5.0000E+07	4.6900E-02	5.2000E+07	4.7300E-02	5.4000E+07	4.7300E-02	9436	3153	332
5.6000E+07	4.7100E-02	5.8000E+07	4.7000E-02	6.0000E+07	4.7000E-02	9436	3153	333
6.2000E+07	4.6800E-02	6.4000E+07	4.6700E-02	6.6000E+07	4.6800E-02	9436	3153	334
6.8000E+07	4.6700E-02	7.0000E+07	4.6700E-02	7.2000E+07	4.6700E-02	9436	3153	335
7.4000E+07	4.6600E-02	7.6000E+07	4.6400E-02	7.8000E+07	4.6200E-02	9436	3153	336
8.0000E+07	4.5500E-02	8.5000E+07	4.5200E-02	9.0000E+07	4.4900E-02	9436	3153	337
9.5000E+07	4.4300E-02	1.0000E+08	4.3600E-02			9436	3153	338
						9436	3 0	339
9.4236E+04	2.3600E+02	0	0	0	0	09436	3154	340
-1.0198E+07	-1.0198E+07	0	0	1	1	459436	3154	341
	45	2				9436	3154	342
1.0241E+07	0.0000E+00	2.1000E+07	1.5800E-06	2.2000E+07	8.3000E-06	9436	3154	343
2.3000E+07	2.9800E-05	2.4000E+07	8.3300E-05	2.5000E+07	1.9100E-04	9436	3154	344
2.6000E+07	3.8100E-04	2.7000E+07	6.8500E-04	2.8000E+07	1.1000E-03	9436	3154	345
2.9000E+07	1.6300E-03	3.0000E+07	2.2900E-03	3.1000E+07	3.0400E-03	9436	3154	346
3.2000E+07	3.8900E-03	3.3000E+07	4.7800E-03	3.4000E+07	5.6700E-03	9436	3154	347
3.5000E+07	6.6300E-03	3.6000E+07	7.5400E-03	3.7000E+07	8.5600E-03	9436	3154	348
3.8000E+07	9.6000E-03	3.9000E+07	1.0600E-02	4.0000E+07	1.1300E-02	9436	3154	349

4.2000E+07	1.2900E-02	4.4000E+07	1.3400E-02	4.6000E+07	1.3700E-02	9436	3154	350
4.8000E+07	1.4000E-02	5.0000E+07	1.3900E-02	5.2000E+07	1.3300E-02	09436	3154	351
5.4000E+07	1.2800E-02	5.6000E+07	1.2400E-02	5.8000E+07	1.2100E-02	9436	3154	352
6.0000E+07	1.1700E-02	6.2000E+07	1.1500E-02	6.4000E+07	1.1300E-02	9436	3154	353
6.6000E+07	1.1200E-02	6.8000E+07	1.1100E-02	7.0000E+07	1.0900E-02	9436	3154	354
7.2000E+07	1.0900E-02	7.4000E+07	1.0800E-02	7.6000E+07	1.0700E-02	9436	3154	355
7.8000E+07	1.0600E-02	8.0000E+07	1.0600E-02	8.5000E+07	1.0500E-02	9436	3154	356
9.0000E+07	1.0300E-02	9.5000E+07	1.0100E-02	1.0000E+08	1.0000E-02	9436	3154	357
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0	0	09436	3155	359
-1.6329E+07	-1.6329E+07	0	0	1	1	429436	3155	360
	42	2				9436	3155	361
1.6398E+07	0.0000E+00	2.4000E+07	1.9500E-11	2.5000E+07	2.1500E-10	9436	3155	362
2.6000E+07	2.9900E-09	2.7000E+07	6.0200E-08	2.8000E+07	4.2400E-07	9436	3155	363
2.9000E+07	1.9700E-06	3.0000E+07	6.6200E-06	3.1000E+07	1.8200E-05	9436	3155	364
3.2000E+07	4.0100E-05	3.3000E+07	7.7600E-05	3.4000E+07	1.3300E-04	9436	3155	365
3.5000E+07	2.1000E-04	3.6000E+07	3.0100E-04	3.7000E+07	4.1700E-04	9436	3155	366
3.8000E+07	5.4500E-04	3.9000E+07	6.7600E-04	4.0000E+07	8.2700E-04	9436	3155	367
4.2000E+07	1.1400E-03	4.4000E+07	1.4400E-03	4.6000E+07	1.7500E-03	9436	3155	368
4.8000E+07	2.0300E-03	5.0000E+07	2.3100E-03	5.2000E+07	2.6100E-03	9436	3155	369
5.4000E+07	2.8600E-03	5.6000E+07	3.0200E-03	5.8000E+07	3.1600E-03	9436	3155	370
6.0000E+07	3.2500E-03	6.2000E+07	3.2800E-03	6.4000E+07	3.2500E-03	9436	3155	371
6.6000E+07	3.2000E-03	6.8000E+07	3.1000E-03	7.0000E+07	2.9900E-03	9436	3155	372
7.2000E+07	2.8800E-03	7.4000E+07	2.7800E-03	7.6000E+07	2.7200E-03	9436	3155	373
7.8000E+07	2.6500E-03	8.0000E+07	2.5900E-03	8.5000E+07	2.4700E-03	9436	3155	374
9.0000E+07	2.4100E-03	9.5000E+07	2.3500E-03	1.0000E+08	2.3100E-03	9436	3155	375
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0	0	09436	3156	377
-2.3681E+07	-2.3681E+07	0	0	1	1	359436	3156	378
	35	2				9436	3156	379
2.3781E+07	0.0000E+00	3.1000E+07	8.4600E-14	3.2000E+07	5.9800E-12	9436	3156	380
3.3000E+07	6.8200E-11	3.4000E+07	6.4600E-10	3.5000E+07	6.8500E-09	9436	3156	381
3.6000E+07	4.2600E-08	3.7000E+07	1.9600E-07	3.8000E+07	6.8200E-07	9436	3156	382
3.9000E+07	1.8200E-06	4.0000E+07	4.4300E-06	4.2000E+07	1.4900E-05	9436	3156	383
4.4000E+07	3.7100E-05	4.6000E+07	7.5200E-05	4.8000E+07	1.2100E-04	9436	3156	384
5.0000E+07	1.7100E-04	5.2000E+07	2.1900E-04	5.4000E+07	2.6600E-04	9436	3156	385
5.6000E+07	3.1300E-04	5.8000E+07	3.5700E-04	6.0000E+07	3.9700E-04	9436	3156	386
6.2000E+07	4.3200E-04	6.4000E+07	4.6300E-04	6.6000E+07	4.9300E-04	9436	3156	387
6.8000E+07	5.2700E-04	7.0000E+07	5.5700E-04	7.2000E+07	5.8600E-04	9436	3156	388
7.4000E+07	6.0500E-04	7.6000E+07	6.1500E-04	7.8000E+07	6.1700E-04	9436	3156	389
8.0000E+07	6.1600E-04	8.5000E+07	5.9000E-04	9.0000E+07	5.4300E-04	9436	3156	390
9.5000E+07	5.0400E-04	1.0000E+08	4.7200E-04			9436	3156	391
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0	0	09436	3157	393
-3.0088E+07	-3.0088E+07	0	0	1	1	289436	3157	394
	28	2				9436	3157	395
3.0216E+07	0.0000E+00	3.8000E+07	2.8700E-15	3.9000E+07	1.0800E-13	9436	3157	396
4.0000E+07	1.2900E-12	4.2000E+07	9.6200E-11	4.4000E+07	2.0700E-09	9436	3157	397
4.6000E+07	2.1900E-08	4.8000E+07	1.1900E-07	5.0000E+07	3.9700E-07	9436	3157	398
5.2000E+07	1.0000E-06	5.4000E+07	1.8900E-06	5.6000E+07	3.0300E-06	9436	3157	399
5.8000E+07	4.2000E-06	6.0000E+07	5.3300E-06	6.2000E+07	6.4000E-06	9436	3157	400
6.4000E+07	7.3700E-06	6.6000E+07	8.3100E-06	6.8000E+07	9.2500E-06	9436	3157	401
7.0000E+07	1.0100E-05	7.2000E+07	1.0900E-05	7.4000E+07	1.1600E-05	9436	3157	402
7.6000E+07	1.2300E-05	7.8000E+07	1.2900E-05	8.0000E+07	1.3500E-05	9436	3157	403
8.5000E+07	1.5100E-05	9.0000E+07	1.6200E-05	9.5000E+07	1.6800E-05	9436	3157	404
1.0000E+08	1.6400E-05					9436	3157	405
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0	0	09436	3158	407
-3.8063E+07	-3.8063E+07	0	0	1	1	229436	3158	408
	22	2				9436	3158	409
3.8225E+07	0.0000E+00	4.8000E+07	5.2800E-15	5.0000E+07	1.9500E-13	9436	3158	410
5.2000E+07	6.2400E-12	5.4000E+07	6.3600E-11	5.6000E+07	3.9200E-09	9436	3158	411
5.8000E+07	1.4500E-09	6.0000E+07	4.1600E-09	6.2000E+07	9.5400E-09	9436	3158	412
6.4000E+07	1.7100E-08	6.6000E+07	2.6200E-08	6.8000E+07	3.5900E-08	9436	3158	413
7.0000E+07	4.5600E-08	7.2000E+07	5.4000E-08	7.4000E+07	6.1900E-08	9436	3158	414
7.6000E+07	6.9400E-08	7.8000E+07	7.6300E-08	8.0000E+07	8.2900E-08	9436	3158	415
8.5000E+07	9.9000E-08	9.0000E+07	1.1500E-07	9.5000E+07	1.2500E-07	9436	3158	416

1.0000E+08	1.3500E-07					9436	3158	417
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3159	419
-4.4564E+07	-4.4564E+07	0	0	1		189436	3159	420
	18	2				9436	3159	421
4.4753E+07	0.0000E+00	5.6000E+07	7.2800E-17	5.8000E+07	1.7600E-15	9436	3159	422
6.0000E+07	2.6200E-14	6.2000E+07	2.6600E-13	6.4000E+07	1.5300E-12	9436	3159	423
6.6000E+07	5.8300E-12	6.8000E+07	1.6100E-11	7.0000E+07	3.6400E-11	9436	3159	424
7.2000E+07	6.5600E-11	7.4000E+07	1.0600E-10	7.6000E+07	1.5100E-10	9436	3159	425
7.8000E+07	1.9800E-10	8.0000E+07	2.3800E-10	8.5000E+07	3.2000E-10	9436	3159	426
9.0000E+07	3.8200E-10	9.5000E+07	4.5300E-10	1.0000E+08	5.1400E-10	9436	3	0
						9436	3160	428
9.4236E+04	2.3600E+02	0	0	0		09436	3160	429
-5.2649E+07	-5.2649E+07	0	0	1		129436	3160	430
	12	2				9436	3160	431
5.2872E+07	0.0000E+00	6.8000E+07	4.6800E-18	7.0000E+07	5.5600E-17	9436	3160	432
7.2000E+07	3.8500E-16	7.4000E+07	2.0300E-15	7.6000E+07	7.4100E-15	9436	3160	433
7.8000E+07	2.2300E-14	8.0000E+07	4.9000E-14	8.5000E+07	1.8100E-13	9436	3160	434
9.0000E+07	3.4000E-13	9.5000E+07	4.6000E-13	1.0000E+08	5.4900E-13	9436	3	0
						9436	3161	436
9.4236E+04	2.3600E+02	0	0	0		09436	3161	437
-5.9381E+07	-5.9381E+07	0	0	1		79436	3161	438
	7	2				9436	3161	439
5.9633E+07	0.0000E+00	7.8000E+07	6.6600E-20	8.0000E+07	4.5000E-19	9436	3161	440
8.5000E+07	1.3400E-17	9.0000E+07	9.8300E-17	9.5000E+07	2.9500E-16	9436	3161	441
1.0000E+08	5.4200E-16					9436	3161	442
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3162	443
-6.7556E+07	-6.7556E+07	0	0	1		89436	3162	444
	8	2				9436	3162	445
6.7842E+07	0.0000E+00	7.6000E+07	3.1300E-34	7.8000E+07	2.2200E-30	9436	3162	446
8.0000E+07	4.2000E-28	8.5000E+07	2.0600E-24	9.0000E+07	3.2600E-22	9436	3162	447
9.5000E+07	7.6100E-21	1.0000E+08	5.8900E-20			9436	3162	448
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3174	449
-7.6074E+06	-7.6074E+06	0	0	1		389436	3174	450
	38	2				9436	3174	451
7.6396E+06	0.0000E+00	2.8000E+07	1.9900E-10	2.9000E+07	5.6700E-09	9436	3174	452
3.0000E+07	2.7700E-08	3.1000E+07	9.9200E-08	3.2000E+07	2.6900E-07	9436	3174	453
3.3000E+07	5.8600E-07	3.4000E+07	1.3100E-06	3.5000E+07	2.7200E-06	9436	3174	454
3.6000E+07	5.8900E-06	3.7000E+07	1.1800E-05	3.8000E+07	2.3600E-05	9436	3174	455
3.9000E+07	4.7000E-05	4.0000E+07	8.3200E-05	4.2000E+07	2.5400E-04	9436	3174	456
4.4000E+07	4.6700E-04	4.6000E+07	7.2900E-04	4.8000E+07	1.0500E-03	9436	3174	457
5.0000E+07	1.3600E-03	5.2000E+07	1.6700E-03	5.4000E+07	1.9600E-03	9436	3174	458
5.6000E+07	2.1600E-03	5.8000E+07	2.3100E-03	6.0000E+07	2.4200E-03	9436	3174	459
6.2000E+07	2.5100E-03	6.4000E+07	2.5200E-03	6.6000E+07	2.5500E-03	9436	3174	460
6.8000E+07	2.5600E-03	7.0000E+07	2.5700E-03	7.2000E+07	2.5900E-03	9436	3174	461
7.4000E+07	2.6000E-03	7.6000E+07	2.6200E-03	7.8000E+07	2.6300E-03	9436	3174	462
8.0000E+07	2.6400E-03	8.5000E+07	2.6500E-03	9.0000E+07	2.6300E-03	9436	3174	463
9.5000E+07	2.6400E-03	1.0000E+08	2.6600E-03			9436	3174	464
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3175	465
1.1621E+07	1.1621E+07	0	0	1		629436	3175	466
	62	2				9436	3175	467
1.0000E-05	0.0000E+00	4.0000E+06	1.0700E-09	5.0000E+06	4.5000E-08	9436	3175	468
6.0000E+06	2.6200E-07	7.0000E+06	1.0100E-06	8.0000E+06	3.3700E-06	9436	3175	469
9.0000E+06	1.0200E-05	1.0000E+07	2.8600E-05	1.1000E+07	7.3100E-05	9436	3175	470
1.2000E+07	1.6700E-04	1.3000E+07	3.3600E-04	1.4000E+07	5.9500E-04	9436	3175	471
1.5000E+07	9.3800E-04	1.6000E+07	1.3500E-03	1.7000E+07	1.7700E-03	9436	3175	472
1.8000E+07	2.1400E-03	1.9000E+07	2.2733E-03	2.0000E+07	2.4067E-03	9436	3175	473
2.1000E+07	2.5400E-03	2.2000E+07	2.5400E-03	2.3000E+07	2.5000E-03	9436	3175	474
2.4000E+07	2.4300E-03	2.5000E+07	2.3400E-03	2.6000E+07	2.2300E-03	9436	3175	475
2.7000E+07	2.2400E-03	2.8000E+07	2.1300E-03	2.9000E+07	1.9800E-03	9436	3175	476
3.0000E+07	1.8400E-03	3.1000E+07	1.7100E-03	3.2000E+07	1.5900E-03	9436	3175	477
3.3000E+07	1.4700E-03	3.4000E+07	1.3700E-03	3.5000E+07	1.2800E-03	9436	3175	478
3.6000E+07	1.1900E-03	3.7000E+07	1.0800E-03	3.8000E+07	1.0000E-03	9436	3175	479
3.9000E+07	9.2300E-04	4.0000E+07	8.4900E-04	4.2000E+07	6.0800E-04	9436	3175	480

4.4000E+07	5.1300E-04	4.6000E+07	4.4200E-04	4.8000E+07	3.8100E-04	9436	3175	484
5.0000E+07	3.3200E-04	5.2000E+07	3.0300E-04	5.4000E+07	2.9100E-04	9436	3175	485
5.6000E+07	3.0600E-04	5.8000E+07	3.5800E-04	6.0000E+07	4.3300E-04	9436	3175	486
6.2000E+07	5.2200E-04	6.4000E+07	6.1900E-04	6.6000E+07	7.1500E-04	9436	3175	487
6.8000E+07	8.1900E-04	7.0000E+07	9.0600E-04	7.2000E+07	9.7200E-04	9436	3175	488
7.4000E+07	1.0100E-03	7.6000E+07	1.0400E-03	7.8000E+07	1.0500E-03	9436	3175	489
8.0000E+07	1.0600E-03	8.5000E+07	1.0800E-03	9.0000E+07	1.0600E-03	9436	3175	490
9.5000E+07	1.0400E-03	1.0000E+08	1.0200E-03			9436	3175	491
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3176	493
5.8671E+06	5.8671E+06	0	0	1		569436	3176	494
	56	2				9436	3176	495
1.0000E-05	0.0000E+00	1.0000E+07	2.2700E-08	1.1000E+07	2.9200E-07	9436	3176	496
1.2000E+07	9.1200E-07	1.3000E+07	2.6600E-06	1.4000E+07	7.6400E-06	9436	3176	497
1.5000E+07	1.8700E-05	1.6000E+07	4.9600E-05	1.7000E+07	1.1900E-04	9436	3176	498
1.8000E+07	2.4800E-04	1.9000E+07	5.1533E-04	2.0000E+07	7.8267E-04	9436	3176	499
2.1000E+07	1.0500E-03	2.2000E+07	1.4000E-03	2.3000E+07	1.7300E-03	9436	3176	500
2.4000E+07	2.0100E-03	2.5000E+07	2.2300E-03	2.6000E+07	2.3800E-03	9436	3176	501
2.7000E+07	2.4800E-03	2.8000E+07	2.5300E-03	2.9000E+07	2.5000E-03	9436	3176	502
3.0000E+07	2.4500E-03	3.1000E+07	2.3700E-03	3.2000E+07	2.2600E-03	9436	3176	503
3.3000E+07	2.1500E-03	3.4000E+07	2.0500E-03	3.5000E+07	1.9200E-03	9436	3176	504
3.6000E+07	1.8000E-03	3.7000E+07	1.6600E-03	3.8000E+07	1.5500E-03	9436	3176	505
3.9000E+07	1.4300E-03	4.0000E+07	1.3300E-03	4.2000E+07	1.0600E-03	9436	3176	506
4.4000E+07	8.9300E-04	4.6000E+07	7.5000E-04	4.8000E+07	6.3000E-04	9436	3176	507
5.0000E+07	5.2800E-04	5.2000E+07	4.4900E-04	5.4000E+07	3.8000E-04	9436	3176	508
5.6000E+07	3.2100E-04	5.8000E+07	2.7300E-04	6.0000E+07	2.2800E-04	9436	3176	509
6.2000E+07	1.8800E-04	6.4000E+07	1.6100E-04	6.6000E+07	1.4200E-04	9436	3176	510
6.8000E+07	1.3300E-04	7.0000E+07	1.3500E-04	7.2000E+07	1.5300E-04	9436	3176	511
7.4000E+07	1.8500E-04	7.6000E+07	2.2100E-04	7.8000E+07	2.5400E-04	9436	3176	512
8.0000E+07	2.9100E-04	8.5000E+07	3.6300E-04	9.0000E+07	3.9000E-04	9436	3176	513
9.5000E+07	4.0600E-04	1.0000E+08	4.0700E-04			9436	3176	514
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3177	516
-1.3876E+06	-1.3876E+06	0	0	1		489436	3177	517
	48	2				9436	3177	518
1.3935E+06	0.0000E+00	1.8000E+07	9.8700E-09	1.9000E+07	3.9325E-07	9436	3177	519
2.0000E+07	7.7662E-07	2.1000E+07	1.1600E-06	2.2000E+07	3.1800E-06	9436	3177	520
2.3000E+07	8.4800E-06	2.4000E+07	2.1200E-05	2.5000E+07	4.8900E-05	9436	3177	521
2.6000E+07	1.0200E-04	2.7000E+07	1.6500E-04	2.8000E+07	2.7300E-04	9436	3177	522
2.9000E+07	4.0600E-04	3.0000E+07	5.5100E-04	3.1000E+07	6.9900E-04	9436	3177	523
3.2000E+07	8.4200E-04	3.3000E+07	9.5800E-04	3.4000E+07	1.0500E-03	9436	3177	524
3.5000E+07	1.1000E-03	3.6000E+07	1.1200E-03	3.7000E+07	1.1200E-03	9436	3177	525
3.8000E+07	1.1000E-03	3.9000E+07	1.0700E-03	4.0000E+07	1.0300E-03	9436	3177	526
4.2000E+07	8.8200E-04	4.4000E+07	7.6700E-04	4.6000E+07	6.6100E-04	9436	3177	527
4.8000E+07	5.6800E-04	5.0000E+07	4.9100E-04	5.2000E+07	4.2000E-04	9436	3177	528
5.4000E+07	3.4800E-04	5.6000E+07	2.8800E-04	5.8000E+07	2.4100E-04	9436	3177	529
6.0000E+07	2.0400E-04	6.2000E+07	1.7300E-04	6.4000E+07	1.4700E-04	9436	3177	530
6.6000E+07	1.2300E-04	6.8000E+07	1.0100E-04	7.0000E+07	8.1600E-05	9436	3177	531
7.2000E+07	6.4300E-05	7.4000E+07	4.9400E-05	7.6000E+07	3.6900E-05	9436	3177	532
7.8000E+07	2.8300E-05	8.0000E+07	2.4700E-05	8.5000E+07	3.5800E-05	9436	3177	533
9.0000E+07	5.8200E-05	9.5000E+07	8.1000E-05	1.0000E+08	1.0100E-04	9436	3177	534
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3178	536
-7.2863E+06	-7.2863E+06	0	0	1		429436	3178	537
	42	2				9436	3178	538
7.3172E+06	0.0000E+00	2.4000E+07	2.3300E-10	2.5000E+07	4.8200E-09	9436	3178	539
2.6000E+07	2.7600E-08	2.7000E+07	8.3100E-08	2.8000E+07	2.4500E-07	9436	3178	540
2.9000E+07	6.5200E-07	3.0000E+07	1.6600E-06	3.1000E+07	3.9800E-06	9436	3178	541
3.2000E+07	9.2600E-06	3.3000E+07	1.9200E-05	3.4000E+07	3.4300E-05	9436	3178	542
3.5000E+07	5.5100E-05	3.6000E+07	7.8800E-05	3.7000E+07	1.0600E-04	9436	3178	543
3.8000E+07	1.3400E-04	3.9000E+07	1.6000E-04	4.0000E+07	1.8300E-04	9436	3178	544
4.2000E+07	2.1000E-04	4.4000E+07	2.1900E-04	4.6000E+07	2.1300E-04	9436	3178	545
4.8000E+07	1.9700E-04	5.0000E+07	1.7800E-04	5.2000E+07	1.5000E-04	9436	3178	546
5.4000E+07	1.2900E-04	5.6000E+07	1.1100E-04	5.8000E+07	9.4900E-05	9436	3178	547
6.0000E+07	8.0200E-05	6.2000E+07	6.7100E-05	6.4000E+07	5.6400E-05	9436	3178	548
6.6000E+07	4.7500E-05	6.8000E+07	4.0300E-05	7.0000E+07	3.4100E-05	9436	3178	549
7.2000E+07	2.8900E-05	7.4000E+07	2.4100E-05	7.6000E+07	1.9800E-05	9436	3178	550

7.8000E+07	1.6000E-05	8.0000E+07	1.2400E-05	8.5000E+07	5.2100E-06	9436	3178	551
9.0000E+07	3.2400E-06	9.5000E+07	4.9200E-06	1.0000E+08	7.8400E-06	9436	3178	552
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3179	554
-1.4952E+07	-1.4952E+07	0	0	1		349436	3179	555
	34	2				9436	3179	556
1.5015E+07	0.0000E+00	3.2000E+07	1.0900E-12	3.3000E+07	3.6800E-11	9436	3179	557
3.4000E+07	2.9300E-10	3.5000E+07	1.3300E-09	3.6000E+07	4.4900E-09	9436	3179	558
3.7000E+07	1.3500E-08	3.8000E+07	3.8500E-08	3.9000E+07	1.0000E-07	9436	3179	559
4.0000E+07	2.3400E-07	4.2000E+07	1.0300E-06	4.4000E+07	2.9100E-06	9436	3179	560
4.6000E+07	5.7200E-06	4.8000E+07	8.8200E-06	5.0000E+07	1.1200E-05	9436	3179	561
5.2000E+07	1.2800E-05	5.4000E+07	1.3200E-05	5.6000E+07	1.2700E-05	9436	3179	562
5.8000E+07	1.1700E-05	6.0000E+07	1.0500E-05	6.2000E+07	9.2300E-06	9436	3179	563
6.4000E+07	8.0400E-06	6.6000E+07	6.9600E-06	6.8000E+07	6.0000E-06	9436	3179	564
7.0000E+07	4.9900E-06	7.2000E+07	4.2200E-06	7.4000E+07	3.5400E-06	9436	3179	565
7.6000E+07	3.0200E-06	7.8000E+07	2.5700E-06	8.0000E+07	2.1800E-06	9436	3179	566
8.5000E+07	1.3900E-06	9.0000E+07	8.4900E-07	9.5000E+07	3.5200E-07	9436	3179	567
1.0000E+08	1.3900E-07					9436	3179	568
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3180	570
-2.1422E+07	-2.1422E+07	0	0	1		279436	3180	571
	27	2				9436	3180	572
2.1512E+07	0.0000E+00	3.9000E+07	6.2000E-14	4.0000E+07	9.3600E-13	9436	3180	573
4.2000E+07	2.7900E-11	4.4000E+07	3.0200E-10	4.6000E+07	2.1400E-09	9436	3180	574
4.8000E+07	1.1000E-08	5.0000E+07	3.6600E-08	5.2000E+07	8.9100E-08	9436	3180	575
5.4000E+07	1.7100E-07	5.6000E+07	2.6100E-07	5.8000E+07	3.3200E-07	9436	3180	576
6.0000E+07	3.7900E-07	6.2000E+07	3.9700E-07	6.4000E+07	3.9100E-07	9436	3180	577
6.6000E+07	3.6500E-07	6.8000E+07	3.3300E-07	7.0000E+07	2.9700E-07	9436	3180	578
7.2000E+07	2.5800E-07	7.4000E+07	2.2300E-07	7.6000E+07	1.9500E-07	9436	3180	579
7.8000E+07	1.6500E-07	8.0000E+07	1.4100E-07	8.5000E+07	9.3200E-08	9436	3180	580
9.0000E+07	6.5200E-08	9.5000E+07	4.0900E-08	1.0000E+08	2.1900E-08	9436	3180	581
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3181	583
-2.9262E+07	-2.9262E+07	0	0	1		229436	3181	584
	22	2				9436	3181	585
2.9386E+07	0.0000E+00	4.8000E+07	2.3600E-15	5.0000E+07	7.2800E-14	9436	3181	586
5.2000E+07	9.3600E-13	5.4000E+07	8.1400E-12	5.6000E+07	5.0600E-11	9436	3181	587
5.8000E+07	1.9700E-10	6.0000E+07	5.9600E-10	6.2000E+07	1.3600E-09	9436	3181	588
6.4000E+07	2.4100E-09	6.6000E+07	3.6000E-09	6.8000E+07	4.6600E-09	9436	3181	589
7.0000E+07	5.4300E-09	7.2000E+07	5.7900E-09	7.4000E+07	5.7900E-09	9436	3181	590
7.6000E+07	5.5600E-09	7.8000E+07	5.1400E-09	8.0000E+07	4.6500E-09	9436	3181	591
8.5000E+07	3.3900E-09	9.0000E+07	2.4100E-09	9.5000E+07	1.6100E-09	9436	3181	592
1.0000E+08	1.0800E-09					9436	3181	593
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3182	595
-3.5693E+07	-3.5693E+07	0	0	1		179436	3182	596
	17	2				9436	3182	597
3.5845E+07	0.0000E+00	5.8000E+07	1.1100E-15	6.0000E+07	1.2100E-14	9436	3182	598
6.2000E+07	9.7200E-14	6.4000E+07	5.2800E-13	6.6000E+07	2.1300E-12	9436	3182	599
6.8000E+07	6.2600E-12	7.0000E+07	1.4400E-11	7.2000E+07	2.6400E-11	9436	3182	600
7.4000E+07	4.0800E-11	7.6000E+07	5.3900E-11	7.8000E+07	6.6300E-11	9436	3182	601
8.0000E+07	7.5300E-11	8.5000E+07	7.9900E-11	9.0000E+07	6.7300E-11	9436	3182	602
9.5000E+07	5.0700E-11	1.0000E+08	3.5800E-11			9436	3182	603
						9436	3	0
9.4236E+04	2.3600E+02	0	0	0		09436	3183	605
-4.3294E+07	-4.3294E+07	0	0	1		169436	3183	606
	16	2				9436	3183	607
4.3478E+07	0.0000E+00	6.0000E+07	1.0600E-29	6.2000E+07	2.9700E-22	9436	3183	608
6.4000E+07	3.8500E-20	6.6000E+07	1.1400E-18	6.8000E+07	1.7000E-17	9436	3183	609
7.0000E+07	1.5300E-16	7.2000E+07	1.0400E-15	7.4000E+07	4.7900E-15	9436	3183	610
7.6000E+07	1.4600E-14	7.8000E+07	3.9200E-14	8.0000E+07	8.2600E-14	9436	3183	611
8.5000E+07	2.5900E-13	9.0000E+07	4.0900E-13	9.5000E+07	4.5800E-13	9436	3183	612
1.0000E+08	4.0400E-13					9436	3183	613
						9436	3	0
						9436	0	0
						0	0	0
						-1	0	0

Pu-237	WIND					0	0	0	0
9.4237E+04	2.3700E+02	-1	0	99		19437	1451		1
0.0000E+00	0.0000E+00	0	0	0		69437	1451		2
1.0000E+00	0.0000E+00	0	0	10		29437	1451		3
0.0000E+00	0.0000E+00	0	0	67		339437	1451		4
94-Pu-237	INPE	EVAL-SEP94 YU.A.KOROVIN ET.AL.				9437	1451		5
		DIST-OCT94				9437	1451		6
----	WIND	MATERIAL 9437				9437	1451		7
-----	INCIDENT-NEUTRON DATA					9437	1451		8
-----	ENDF-6 FORMAT					9437	1451		9
AUTHORS OF EVALUATION: A.YU.KONOBAYEV, YU.A.KOROVIN,						9437	1451		10
P.E.PERESLAVTSEV, V.I.PLYASKIN						9437	1451		11
						9437	1451		12
FILE OF ACTINIDE DATA LIBRARY WIND						9437	1451		13
ENERGY OF PROJECTILE: 0-100 MEV						9437	1451		14
REFERENCE: KERNTTECHNIK, 1994, V.59, P.87						9437	1451		15
						9437	1451		16
CONTENT OF FILE:						9437	1451		17
						9437	1451		18
MF = 1	GENERAL INFORMATION					9437	1451		19
						9437	1451		20
MT = 451	COMMENTS AND DICTIONARY					9437	1451		21
						9437	1451		22
MF = 3	NEUTRON CROSS-SECTIONS					9437	1451		23
						9437	1451		24
(N,2N)	REACTION CROSS-SECTIONS ARE ORIGINAL					9437	1451		25
(N,3N)	REACTION CROSS-SECTIONS ARE ORIGINAL					9437	1451		26
(N,F)	REACTION CROSS-SECTIONS BELOW 4 MEV ARE FROM BROND-2					9437	1451		27
THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR						9437	1451		28
SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA						9437	1451		29
AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION						9437	1451		30
IS AVAILABLE FROM THE AUTHORS AFTER REQUEST						9437	1451		31
						9437	1451		32
MT=16,17,18,37,103,111 ARE STANDARD ENDF-6 SECTIONS,						9437	1451		33
OTHER MT NUMBERS ARE NEW ASSIGNED						9437	1451		34
IN FOLLOWING DESCRIPTION "(N,X)" MEANS SUM CROSS-SECTIONS OF						9437	1451		35
ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT						9437	1451		36
RADIOACTIVE DECAY TAKEN INTO ACCOUNT						9437	1451		37
						9437	1451		38
MT = 16	(N,2N)	CROSS-SECTION	(Pu236 PRODUCTION)			9437	1451		39
MT = 17	(N,3N)	CROSS-SECTION	(Pu235 PRODUCTION)			9437	1451		40
MT = 18	(N,F) FISSION	CROSS-SECTION				9437	1451		41
MT = 37	(N,4N)	CROSS-SECTION	(Pu234 PRODUCTION)			9437	1451		42
MT =103	(N,P)	CROSS-SECTION	(Np237 PRODUCTION)			9437	1451		43
MT =111	(N,2P)	CROSS-SECTION	(U236 PRODUCTION)			9437	1451		44
MT =121	(N,5N)	CROSS-SECTION	(Pu233 PRODUCTION)			9437	1451		45
MT =122	(N,6N)	CROSS-SECTION	(Pu232 PRODUCTION)			9437	1451		46
MT =123	(N,7N)	CROSS-SECTION	(Pu231 PRODUCTION)			9437	1451		47
MT =124	(N,8N)	CROSS-SECTION	(Pu230 PRODUCTION)			9437	1451		48
MT =125	(N,9N)	CROSS-SECTION	(Pu229 PRODUCTION)			9437	1451		49
MT =126	(N,10N)	CROSS-SECTION	(Pu228 PRODUCTION)			9437	1451		50
MT =153	(N,NP) + (N,D)	CROSS-SECTION	(Np236 PRODUCTION)			9437	1451		51
MT =154	(N,2NP) + (N,ND)	CROSS-SECTION	(Np235 PRODUCTION)			9437	1451		52
MT =155	(N,3NP) + (N,2ND)	CROSS-SECTION	(Np234 PRODUCTION)			9437	1451		53
MT =156	(N,4NP) + (N,3ND)	CROSS-SECTION	(Np233 PRODUCTION)			9437	1451		54
MT =157	(N,5NP) + (N,4ND)	CROSS-SECTION	(Np232 PRODUCTION)			9437	1451		55
MT =158	(N,6NP) + (N,5ND)	CROSS-SECTION	(Np231 PRODUCTION)			9437	1451		56
MT =159	(N,7NP) + (N,6ND)	CROSS-SECTION	(Np230 PRODUCTION)			9437	1451		57
MT =160	(N,8NP) + (N,7ND)	CROSS-SECTION	(Np229 PRODUCTION)			9437	1451		58
MT =161	(N,9NP) + (N,8ND)	CROSS-SECTION	(Np228 PRODUCTION)			9437	1451		59
MT =162	(N,10NP) + (N,9ND)	CROSS-SECTION	(Np227 PRODUCTION)			9437	1451		60
MT =174	(N,N2P) + (N,PD)	CROSS-SECTION	(U235 PRODUCTION)			9437	1451		61
MT =175	(N,2N2P) + (N,X)	CROSS-SECTION	(U234 PRODUCTION)			9437	1451		62
MT =176	(N,3N2P) + (N,X)	CROSS-SECTION	(U233 PRODUCTION)			9437	1451		63
MT =177	(N,4N2P) + (N,X)	CROSS-SECTION	(U232 PRODUCTION)			9437	1451		64
MT =178	(N,5N2P) + (N,X)	CROSS-SECTION	(U231 PRODUCTION)			9437	1451		65
MT =179	(N,6N2P) + (N,X)	CROSS-SECTION	(U230 PRODUCTION)			9437	1451		66

MT =180	(N, 7N2P) + (N, X)	CROSS-SECTION	(U229 PRODUCTION)	9437	1451	67			
MT =181	(N, 8N2P) + (N, X)	CROSS-SECTION	(U228 PRODUCTION)	9437	1451	68			
MT =182	(N, 9N2P) + (N, X)	CROSS-SECTION	(U227 PRODUCTION)	9437	1451	69			
MT =183	(N, 10N2P) + (N, X)	CROSS-SECTION	(U226 PRODUCTION)	9437	1451	70			
				9437	1451	71			
		1	451	104	19437	1451	72		
		3	16	23	19437	1451	73		
		3	17	21	19437	1451	74		
		3	18	27	19437	1451	75		
		3	37	18	19437	1451	76		
		3	103	23	19437	1451	77		
		3	111	18	19437	1451	78		
		3	121	16	19437	1451	79		
		3	122	14	19437	1451	80		
		3	123	11	19437	1451	81		
		3	124	10	19437	1451	82		
		3	125	9	19437	1451	83		
		3	126	8	19437	1451	84		
		3	153	21	19437	1451	85		
		3	154	18	19437	1451	86		
		3	155	17	19437	1451	87		
		3	156	16	19437	1451	88		
		3	157	13	19437	1451	89		
		3	158	11	19437	1451	90		
		3	159	10	19437	1451	91		
		3	160	8	19437	1451	92		
		3	161	6	19437	1451	93		
		3	162	6	19437	1451	94		
		3	174	15	19437	1451	95		
		3	175	24	19437	1451	96		
		3	176	22	19437	1451	97		
		3	177	20	19437	1451	98		
		3	178	17	19437	1451	99		
		3	179	15	19437	1451	100		
		3	180	13	19437	1451	101		
		3	181	11	19437	1451	102		
		3	182	9	19437	1451	103		
		3	183	9	19437	1451	104		
					9437	1	0	105	
					9437	0	0	106	
9.4237E+04	2.3700E+02	0	0	0	09437	3	16	107	
-5.8342E+06	-5.8342E+06	0	0	1	609437	3	16	108	
60	2				9437	3	16	109	
5.8588E+06	0.0000E+00	6.0000E+06	4.2000E-03	7.0000E+06	7.5200E-02	9437	3	16	110
8.0000E+06	1.0400E-01	9.0000E+06	1.1200E-01	1.0000E+07	1.1900E-01	9437	3	16	111
1.1000E+07	1.2600E-01	1.2000E+07	1.3400E-01	1.3000E+07	1.3500E-01	9437	3	16	112
1.4000E+07	1.2000E-01	1.5000E+07	1.0200E-01	1.6000E+07	8.6100E-02	9437	3	16	113
1.7000E+07	7.6300E-02	1.8000E+07	7.0550E-02	1.9000E+07	6.4800E-02	9437	3	16	114
2.0000E+07	5.9050E-02	2.1000E+07	5.3300E-02	2.2000E+07	4.8300E-02	9437	3	16	115
2.3000E+07	4.6200E-02	2.4000E+07	4.4700E-02	2.5000E+07	4.3500E-02	9437	3	16	116
2.6000E+07	4.0800E-02	2.7000E+07	3.9800E-02	2.8000E+07	3.8800E-02	9437	3	16	117
2.9000E+07	3.8000E-02	3.0000E+07	3.7400E-02	3.1000E+07	3.6000E-02	9437	3	16	118
3.2000E+07	3.5700E-02	3.3000E+07	3.4500E-02	3.4000E+07	3.4100E-02	9437	3	16	119
3.5000E+07	3.3700E-02	3.6000E+07	3.3300E-02	3.7000E+07	3.2500E-02	9437	3	16	120
3.8000E+07	3.2300E-02	3.9000E+07	3.2000E-02	4.0000E+07	3.1900E-02	9437	3	16	121
4.2000E+07	2.8600E-02	4.4000E+07	2.7900E-02	4.6000E+07	2.7400E-02	9437	3	16	122
4.8000E+07	2.7000E-02	5.0000E+07	2.6700E-02	5.2000E+07	2.6400E-02	9437	3	16	123
5.4000E+07	2.6200E-02	5.6000E+07	2.5700E-02	5.8000E+07	2.5500E-02	9437	3	16	124
6.0000E+07	2.5300E-02	6.2000E+07	2.5100E-02	6.4000E+07	2.4900E-02	9437	3	16	125
6.6000E+07	2.4700E-02	6.8000E+07	2.4700E-02	7.0000E+07	2.4200E-02	9437	3	16	126
7.2000E+07	2.3800E-02	7.4000E+07	2.3500E-02	7.6000E+07	2.3300E-02	9437	3	16	127
7.8000E+07	2.3100E-02	8.0000E+07	2.2900E-02	8.5000E+07	2.2400E-02	9437	3	16	128
9.0000E+07	2.2000E-02	9.5000E+07	2.1600E-02	1.0000E+08	2.1100E-02	9437	3	16	129
					9437	3	0	130	
9.4237E+04	2.3700E+02	0	0	0	09437	3	17	131	
-1.3220E+07	-1.3220E+07	0	0	1	529437	3	17	132	
52	2				9437	3	17	133	

1.3276E+07	0.0000E+00	1.4000E+07	5.3400E-05	1.5000E+07	9.6000E-04	9437	3	17	134
1.6000E+07	2.6300E-03	1.7000E+07	4.0600E-03	1.8000E+07	4.9525E-03	9437	3	17	135
1.9000E+07	5.8450E-03	2.0000E+07	6.7375E-03	2.1000E+07	7.6300E-03	9437	3	17	136
2.2000E+07	7.8000E-03	2.3000E+07	7.4300E-03	2.4000E+07	6.8800E-03	9437	3	17	137
2.5000E+07	6.2500E-03	2.6000E+07	5.6600E-03	2.7000E+07	5.1700E-03	9437	3	17	138
2.8000E+07	4.7300E-03	2.9000E+07	4.3400E-03	3.0000E+07	4.0000E-03	9437	3	17	139
3.1000E+07	3.7000E-03	3.2000E+07	3.4800E-03	3.3000E+07	3.3100E-03	9437	3	17	140
3.4000E+07	3.1400E-03	3.5000E+07	2.9700E-03	3.6000E+07	2.8100E-03	9437	3	17	141
3.7000E+07	2.6500E-03	3.8000E+07	2.5500E-03	3.9000E+07	2.4500E-03	9437	3	17	142
4.0000E+07	2.3600E-03	4.2000E+07	2.1900E-03	4.4000E+07	2.0600E-03	9437	3	17	143
4.6000E+07	1.9800E-03	4.8000E+07	1.9100E-03	5.0000E+07	1.8400E-03	9437	3	17	144
5.2000E+07	1.8000E-03	5.4000E+07	1.7500E-03	5.6000E+07	1.7200E-03	9437	3	17	145
5.8000E+07	1.6900E-03	6.0000E+07	1.6600E-03	6.2000E+07	1.6500E-03	9437	3	17	146
6.4000E+07	1.6000E-03	6.6000E+07	1.5800E-03	6.8000E+07	1.5100E-03	9437	3	17	147
7.0000E+07	1.4900E-03	7.2000E+07	1.4800E-03	7.4000E+07	1.4600E-03	9437	3	17	148
7.6000E+07	1.4400E-03	7.8000E+07	1.4200E-03	8.0000E+07	1.3900E-03	9437	3	17	149
8.5000E+07	1.3800E-03	9.0000E+07	1.3400E-03	9.5000E+07	1.3100E-03	9437	3	17	150
1.0000E+08	1.2700E-03					9437	3	17	151
						9437	3	0	152
9.4237E+04	2.3700E+02	0	0	0	0	9437	3	18	153
1.9590E+08	1.9590E+08	0	0	1	1	719437	3	18	154
	71	2				9437	3	18	155
1.0000E+05	3.3150E+00	1.2500E+05	3.0080E+00	1.5000E+05	2.8520E+00	9437	3	18	156
2.5600E+05	3.0010E+00	2.8000E+05	3.1610E+00	3.0000E+05	3.3280E+00	9437	3	18	157
3.5000E+05	3.1590E+00	4.5000E+05	2.9630E+00	1.0000E+06	3.1160E+00	9437	3	18	158
1.5000E+06	3.4500E+00	3.0000E+06	2.8840E+00	5.0000E+06	2.3521E+00	9437	3	18	159
6.0000E+06	2.3125E+00	7.0000E+06	2.5186E+00	8.0000E+06	2.6966E+00	9437	3	18	160
9.0000E+06	2.7146E+00	1.0000E+07	2.6903E+00	1.1000E+07	2.6751E+00	9437	3	18	161
1.2000E+07	2.6470E+00	1.3000E+07	2.6157E+00	1.4000E+07	2.5986E+00	9437	3	18	162
1.5000E+07	2.5736E+00	1.6000E+07	2.5533E+00	1.7000E+07	2.5384E+00	9437	3	18	163
1.8000E+07	2.5273E+00	1.9000E+07	2.5163E+00	2.0000E+07	2.5052E+00	9437	3	18	164
2.1000E+07	2.4942E+00	2.2000E+07	2.4747E+00	2.3000E+07	2.4507E+00	9437	3	18	165
2.4000E+07	2.4329E+00	2.5000E+07	2.4194E+00	2.6000E+07	2.4129E+00	9437	3	18	166
2.7000E+07	2.4018E+00	2.8000E+07	2.3884E+00	2.9000E+07	2.3723E+00	9437	3	18	167
3.0000E+07	2.3560E+00	3.1000E+07	2.3440E+00	3.2000E+07	2.3316E+00	9437	3	18	168
3.3000E+07	2.3214E+00	3.4000E+07	2.3110E+00	3.5000E+07	2.3000E+00	9437	3	18	169
3.6000E+07	2.2888E+00	3.7000E+07	2.2780E+00	3.8000E+07	2.2661E+00	9437	3	18	170
3.9000E+07	2.2555E+00	4.0000E+07	2.2457E+00	4.2000E+07	2.2318E+00	9437	3	18	171
4.4000E+07	2.2138E+00	4.6000E+07	2.1942E+00	4.8000E+07	2.1748E+00	9437	3	18	172
5.0000E+07	2.1595E+00	5.2000E+07	2.1442E+00	5.4000E+07	2.1283E+00	9437	3	18	173
5.6000E+07	2.1125E+00	5.8000E+07	2.0973E+00	6.0000E+07	2.0848E+00	9437	3	18	174
6.2000E+07	2.0695E+00	6.4000E+07	2.0549E+00	6.6000E+07	2.0397E+00	9437	3	18	175
6.8000E+07	2.0256E+00	7.0000E+07	2.0124E+00	7.2000E+07	1.9993E+00	9437	3	18	176
7.4000E+07	1.9856E+00	7.6000E+07	1.9722E+00	7.8000E+07	1.9595E+00	9437	3	18	177
8.0000E+07	1.9470E+00	8.5000E+07	1.9160E+00	9.0000E+07	1.8864E+00	9437	3	18	178
9.5000E+07	1.8584E+00	1.0000E+08	1.8317E+00			9437	3	18	179
						9437	3	0	180
9.4237E+04	2.3700E+02	0	0	0	0	9437	3	37	181
-1.9470E+07	-1.9470E+07	0	0	1	1	459437	3	37	182
	45	2				9437	3	37	183
1.9552E+07	0.0000E+00	2.1000E+07	3.3300E-06	2.2000E+07	3.0400E-05	9437	3	37	184
2.3000E+07	8.7200E-05	2.4000E+07	1.5300E-04	2.5000E+07	2.2000E-04	9437	3	37	185
2.6000E+07	2.8500E-04	2.7000E+07	3.4100E-04	2.8000E+07	3.8600E-04	9437	3	37	186
2.9000E+07	4.1400E-04	3.0000E+07	4.2200E-04	3.1000E+07	4.1300E-04	9437	3	37	187
3.2000E+07	3.9500E-04	3.3000E+07	3.7200E-04	3.4000E+07	3.3900E-04	9437	3	37	188
3.5000E+07	3.1600E-04	3.6000E+07	2.9500E-04	3.7000E+07	2.7300E-04	9437	3	37	189
3.8000E+07	2.5500E-04	3.9000E+07	2.3700E-04	4.0000E+07	2.2400E-04	9437	3	37	190
4.2000E+07	1.8600E-04	4.4000E+07	1.6700E-04	4.6000E+07	1.5100E-04	9437	3	37	191
4.8000E+07	1.4000E-04	5.0000E+07	1.3100E-04	5.2000E+07	1.2400E-04	9437	3	37	192
5.4000E+07	1.1700E-04	5.6000E+07	1.1000E-04	5.8000E+07	1.0500E-04	9437	3	37	193
6.0000E+07	1.0200E-04	6.2000E+07	9.8700E-05	6.4000E+07	9.5800E-05	9437	3	37	194
6.6000E+07	9.3600E-05	6.8000E+07	9.3200E-05	7.0000E+07	9.1400E-05	9437	3	37	195
7.2000E+07	8.9400E-05	7.4000E+07	8.8500E-05	7.6000E+07	8.6700E-05	9437	3	37	196
7.8000E+07	8.5400E-05	8.0000E+07	8.4800E-05	8.5000E+07	8.2100E-05	9437	3	37	197
9.0000E+07	7.9900E-05	9.5000E+07	7.8100E-05	1.0000E+08	7.6500E-05	9437	3	37	198
						9437	3	0	199
9.4237E+04	2.3700E+02	0	0	0	0	9437	3103	200	

1.0002E+06	1.0002E+06	0	0	1	609437	3103	201
60	2				9437	3103	202
1.0000E-05	0.0000E+00	6.0000E+06	2.5100E-05	7.0000E+06	1.3400E-04	9437	3103
8.0000E+06	3.8700E-04	9.0000E+06	9.6000E-04	1.0000E+07	2.0300E-03	9437	3103
1.1000E+07	3.3400E-03	1.2000E+07	5.4500E-03	1.3000E+07	8.3400E-03	9437	3103
1.4000E+07	1.0400E-02	1.5000E+07	1.4700E-02	1.6000E+07	1.9500E-02	9437	3103
1.7000E+07	2.4500E-02	1.8000E+07	2.7325E-02	1.9000E+07	3.0150E-02	9437	3103
2.0000E+07	3.2975E-02	2.1000E+07	3.5800E-02	2.2000E+07	3.6000E-02	9437	3103
2.3000E+07	3.7600E-02	2.4000E+07	4.0000E-02	2.5000E+07	4.1600E-02	9437	3103
2.6000E+07	4.1900E-02	2.7000E+07	4.2500E-02	2.8000E+07	4.2700E-02	9437	3103
2.9000E+07	4.2700E-02	3.0000E+07	4.2800E-02	3.1000E+07	4.2600E-02	9437	3103
3.2000E+07	4.2800E-02	3.3000E+07	4.2900E-02	3.4000E+07	4.2800E-02	9437	3103
3.5000E+07	4.2500E-02	3.6000E+07	4.2100E-02	3.7000E+07	4.1200E-02	9437	3103
3.8000E+07	4.0900E-02	3.9000E+07	4.0500E-02	4.0000E+07	4.0400E-02	9437	3103
4.2000E+07	3.8000E-02	4.4000E+07	3.6900E-02	4.6000E+07	3.6100E-02	9437	3103
4.8000E+07	3.5100E-02	5.0000E+07	3.4200E-02	5.2000E+07	3.3400E-02	9437	3103
5.4000E+07	3.2500E-02	5.6000E+07	3.1600E-02	5.8000E+07	3.0700E-02	9437	3103
6.0000E+07	3.2800E-02	6.2000E+07	3.1900E-02	6.4000E+07	3.1000E-02	9437	3103
6.6000E+07	3.0000E-02	6.8000E+07	2.9300E-02	7.0000E+07	2.8500E-02	9437	3103
7.2000E+07	2.7800E-02	7.4000E+07	2.7100E-02	7.6000E+07	2.6500E-02	9437	3103
7.8000E+07	2.5800E-02	8.0000E+07	2.5300E-02	8.5000E+07	2.3900E-02	9437	3103
9.0000E+07	2.2500E-02	9.5000E+07	2.1200E-02	1.0000E+08	2.0100E-02	9437	3103
					9437	3	0
9.4237E+04	2.3700E+02	0	0	0	09437	3111	224
-3.8617E+06	-3.8617E+06	0	0	1	459437	3111	225
45	2				9437	3111	226
3.8780E+06	0.0000E+00	2.1000E+07	3.8300E-05	2.2000E+07	7.3300E-05	9437	3111
2.3000E+07	1.3800E-04	2.4000E+07	2.2600E-04	2.5000E+07	3.4600E-04	9437	3111
2.6000E+07	4.4300E-04	2.7000E+07	6.0900E-04	2.8000E+07	7.9500E-04	9437	3111
2.9000E+07	1.0000E-03	3.0000E+07	1.2300E-03	3.1000E+07	1.3900E-03	9437	3111
3.2000E+07	1.6600E-03	3.3000E+07	1.9200E-03	3.4000E+07	2.2200E-03	9437	3111
3.5000E+07	2.5200E-03	3.6000E+07	2.8300E-03	3.7000E+07	3.0400E-03	9437	3111
3.8000E+07	3.3700E-03	3.9000E+07	3.7000E-03	4.0000E+07	4.0300E-03	9437	3111
4.2000E+07	4.4000E-03	4.4000E+07	4.7000E-03	4.6000E+07	5.0400E-03	9437	3111
4.8000E+07	5.2700E-03	5.0000E+07	5.4200E-03	5.2000E+07	5.5700E-03	9437	3111
5.4000E+07	5.7100E-03	5.6000E+07	5.8100E-03	5.8000E+07	5.9000E-03	9437	3111
6.0000E+07	5.9400E-03	6.2000E+07	5.9900E-03	6.4000E+07	6.0400E-03	9437	3111
6.6000E+07	6.0700E-03	6.8000E+07	6.1500E-03	7.0000E+07	6.1900E-03	9437	3111
7.2000E+07	6.2000E-03	7.4000E+07	6.2500E-03	7.6000E+07	6.2600E-03	9437	3111
7.8000E+07	6.2900E-03	8.0000E+07	6.3000E-03	8.5000E+07	6.3500E-03	9437	3111
9.0000E+07	6.3900E-03	9.5000E+07	6.4000E-03	1.0000E+08	6.4100E-03	9437	3111
					9437	3	0
9.4237E+04	2.3700E+02	0	0	0	09437	3121	243
-2.7242E+07	-2.7242E+07	0	0	1	389437	3121	244
38	2				9437	3121	245
2.7357E+07	0.0000E+00	2.8000E+07	3.4200E-11	2.9000E+07	6.2300E-09	9437	3121
3.0000E+07	9.0700E-08	3.1000E+07	4.4200E-07	3.2000E+07	1.2000E-06	9437	3121
3.3000E+07	2.2700E-06	3.4000E+07	3.7200E-06	3.5000E+07	5.1300E-06	9437	3121
3.6000E+07	6.5600E-06	3.7000E+07	7.9700E-06	3.8000E+07	9.0800E-06	9437	3121
3.9000E+07	9.8800E-06	4.0000E+07	1.0300E-05	4.2000E+07	1.0300E-05	9437	3121
4.4000E+07	9.5800E-06	4.6000E+07	8.5100E-06	4.8000E+07	7.5700E-06	9437	3121
5.0000E+07	6.7000E-06	5.2000E+07	6.0000E-06	5.4000E+07	5.4200E-06	9437	3121
5.6000E+07	4.9500E-06	5.8000E+07	4.6400E-06	6.0000E+07	4.4400E-06	9437	3121
6.2000E+07	4.2100E-06	6.4000E+07	3.9600E-06	6.6000E+07	3.7400E-06	9437	3121
6.8000E+07	3.3800E-06	7.0000E+07	3.2100E-06	7.2000E+07	3.0700E-06	9437	3121
7.4000E+07	2.9200E-06	7.6000E+07	2.8100E-06	7.8000E+07	2.7200E-06	9437	3121
8.0000E+07	2.6500E-06	8.5000E+07	2.5000E-06	9.0000E+07	2.3900E-06	9437	3121
9.5000E+07	2.2800E-06	1.0000E+08	2.1800E-06		9437	3121	258
					9437	3	0
9.4237E+04	2.3700E+02	0	0	0	09437	3122	260
-3.3633E+07	-3.3633E+07	0	0	1	319437	3122	261
31	2				9437	3122	262
3.3775E+07	0.0000E+00	3.5000E+07	4.1300E-13	3.6000E+07	3.7200E-11	9437	3122
3.7000E+07	4.9600E-10	3.8000E+07	2.4700E-09	3.9000E+07	7.8400E-09	9437	3122
4.0000E+07	1.7100E-08	4.2000E+07	3.9900E-08	4.4000E+07	7.1700E-08	9437	3122
4.6000E+07	1.0000E-07	4.8000E+07	1.1400E-07	5.0000E+07	1.1800E-07	9437	3122
5.2000E+07	1.1500E-07	5.4000E+07	1.0800E-07	5.6000E+07	9.8000E-08	9437	3122

5.8000E+07	8.7300E-08	6.0000E+07	8.0300E-08	6.2000E+07	7.2800E-08	9437	3122	268
6.4000E+07	6.7000E-08	6.6000E+07	6.2300E-08	6.8000E+07	5.9600E-08	9437	3122	269
7.0000E+07	5.7200E-08	7.2000E+07	5.4700E-08	7.4000E+07	5.1900E-08	9437	3122	270
7.6000E+07	4.9800E-08	7.8000E+07	4.7800E-08	8.0000E+07	4.6100E-08	9437	3122	271
8.5000E+07	4.2700E-08	9.0000E+07	3.9500E-08	9.5000E+07	3.5000E-08	9437	3122	272
1.0000E+08	3.2500E-08					9437	3122	273
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0	0	09437	3123	275
-4.1659E+07	-4.1659E+07	0	0	1	1	249437	3123	276
	24	2				9437	3123	277
4.1835E+07	0.0000E+00	4.4000E+07	4.2500E-15	4.6000E+07	1.2500E-12	9437	3123	278
4.8000E+07	1.6100E-11	5.0000E+07	6.8100E-11	5.2000E+07	1.7700E-10	9437	3123	279
5.4000E+07	3.1600E-10	5.6000E+07	4.5300E-10	5.8000E+07	5.4600E-10	9437	3123	280
6.0000E+07	5.9200E-10	6.2000E+07	6.1500E-10	6.4000E+07	6.0500E-10	9437	3123	281
6.6000E+07	5.8200E-10	6.8000E+07	5.4500E-10	7.0000E+07	5.0400E-10	9437	3123	282
7.2000E+07	4.6200E-10	7.4000E+07	4.2900E-10	7.6000E+07	3.9900E-10	9437	3123	283
7.8000E+07	3.7500E-10	8.0000E+07	3.5000E-10	8.5000E+07	3.0800E-10	9437	3123	284
9.0000E+07	2.8500E-10	9.5000E+07	2.7600E-10	1.0000E+08	2.6600E-10	9437	3	0
						9437	3124	286
9.4237E+04	2.3700E+02	0	0	0	0	09437	3124	287
-4.8381E+07	-4.8381E+07	0	0	1	1	209437	3124	288
	20	2				9437	3124	289
4.8585E+07	0.0000E+00	5.2000E+07	2.6600E-17	5.4000E+07	2.0200E-15	9437	3124	290
5.6000E+07	2.4800E-14	5.8000E+07	1.1700E-13	6.0000E+07	2.5500E-13	9437	3124	291
6.2000E+07	4.9900E-13	6.4000E+07	7.6700E-13	6.6000E+07	9.8700E-13	9437	3124	292
6.8000E+07	1.1400E-12	7.0000E+07	1.2300E-12	7.2000E+07	1.2700E-12	9437	3124	293
7.4000E+07	1.2700E-12	7.6000E+07	1.2400E-12	7.8000E+07	1.2000E-12	9437	3124	294
8.0000E+07	1.1400E-12	8.5000E+07	9.9100E-13	9.0000E+07	8.6400E-13	9437	3124	295
9.5000E+07	7.5200E-13	1.0000E+08	6.8100E-13			9437	3124	296
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0	0	09437	3125	298
-5.6693E+07	-5.6693E+07	0	0	1	1	169437	3125	299
	16	2				9437	3125	300
5.6933E+07	0.0000E+00	6.0000E+07	3.3600E-22	6.2000E+07	4.5200E-20	9437	3125	301
6.4000E+07	1.2100E-18	6.6000E+07	1.0700E-17	6.8000E+07	5.3000E-17	9437	3125	302
7.0000E+07	1.4200E-16	7.2000E+07	3.2200E-16	7.4000E+07	5.2100E-16	9437	3125	303
7.6000E+07	7.2800E-16	7.8000E+07	8.8800E-16	8.0000E+07	9.9700E-16	9437	3125	304
8.5000E+07	1.1000E-15	9.0000E+07	1.0900E-15	9.5000E+07	1.0300E-15	9437	3125	305
1.0000E+08	9.4400E-16					9437	3125	306
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0	0	09437	3126	308
-6.3679E+07	-6.3679E+07	0	0	1	1	139437	3126	309
	13	2				9437	3126	310
6.3947E+07	0.0000E+00	6.6000E+07	7.1500E-29	6.8000E+07	8.1200E-25	9437	3126	311
7.0000E+07	7.0600E-23	7.2000E+07	2.0800E-21	7.4000E+07	1.8000E-20	9437	3126	312
7.6000E+07	9.0900E-20	7.8000E+07	2.8800E-19	8.0000E+07	6.5500E-19	9437	3126	313
8.5000E+07	2.2200E-18	9.0000E+07	3.6400E-18	9.5000E+07	4.3500E-18	9437	3126	314
1.0000E+08	4.5900E-18					9437	3126	315
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0	0	09437	3153	317
-3.4036E+06	-3.4036E+06	0	0	1	1	539437	3153	318
	53	2				9437	3153	319
3.4179E+06	0.0000E+00	1.3000E+07	1.4900E-03	1.4000E+07	2.0300E-03	9437	3153	320
1.5000E+07	3.2900E-03	1.6000E+07	4.8800E-03	1.7000E+07	6.8100E-03	9437	3153	321
1.8000E+07	9.3075E-03	1.9000E+07	1.1805E-02	2.0000E+07	1.4303E-02	9437	3153	322
2.1000E+07	1.6800E-02	2.2000E+07	1.8600E-02	2.3000E+07	2.2700E-02	9437	3153	323
2.4000E+07	2.6700E-02	2.5000E+07	3.1000E-02	2.6000E+07	3.3200E-02	9437	3153	324
2.7000E+07	3.7100E-02	2.8000E+07	4.0500E-02	2.9000E+07	4.3200E-02	9437	3153	325
3.0000E+07	4.5600E-02	3.1000E+07	4.6100E-02	3.2000E+07	4.8100E-02	9437	3153	326
3.3000E+07	4.9200E-02	3.4000E+07	4.9500E-02	3.5000E+07	4.9400E-02	9437	3153	327
3.6000E+07	4.9200E-02	3.7000E+07	4.8100E-02	3.8000E+07	4.8000E-02	9437	3153	328
3.9000E+07	4.7900E-02	4.0000E+07	4.7900E-02	4.2000E+07	4.5300E-02	9437	3153	329
4.4000E+07	4.4600E-02	4.6000E+07	4.4700E-02	4.8000E+07	4.4400E-02	9437	3153	330
5.0000E+07	4.4400E-02	5.2000E+07	4.4100E-02	5.4000E+07	4.3800E-02	9437	3153	331
5.6000E+07	4.3700E-02	5.8000E+07	4.3500E-02	6.0000E+07	4.3400E-02	9437	3153	332
6.2000E+07	4.3400E-02	6.4000E+07	4.3000E-02	6.6000E+07	4.2700E-02	9437	3153	333
6.8000E+07	4.3000E-02	7.0000E+07	4.2700E-02	7.2000E+07	4.2500E-02	9437	3153	334

7.4000E+07	4.2300E-02	7.6000E+07	4.1900E-02	7.8000E+07	4.1600E-02	9437	3153	335
8.0000E+07	4.1400E-02	8.5000E+07	4.0900E-02	9.0000E+07	4.0300E-02	9437	3153	336
9.5000E+07	3.9900E-02	1.0000E+08	3.9400E-02			9437	3153	337
						9437	3	0
9.4237E+04	2.3700E+02		0	0	0	09437	3154	339
-9.0888E+06	-9.0888E+06		0	0	1	459437	3154	340
	45	2				9437	3154	341
9.1271E+06	0.0000E+00	2.1000E+07	2.4700E-05	2.2000E+07	7.5000E-05	9437	3154	342
2.3000E+07	1.9000E-04	2.4000E+07	3.6900E-04	2.5000E+07	7.1500E-04	9437	3154	343
2.6000E+07	1.2300E-03	2.7000E+07	1.9600E-03	2.8000E+07	2.9200E-03	9437	3154	344
2.9000E+07	4.1200E-03	3.0000E+07	5.5000E-03	3.1000E+07	6.8400E-03	9437	3154	345
3.2000E+07	8.5000E-03	3.3000E+07	1.0200E-02	3.4000E+07	1.2300E-02	9437	3154	346
3.5000E+07	1.4100E-02	3.6000E+07	1.5400E-02	3.7000E+07	1.6700E-02	9437	3154	347
3.8000E+07	1.7700E-02	3.9000E+07	1.8800E-02	4.0000E+07	1.9900E-02	9437	3154	348
4.2000E+07	2.2000E-02	4.4000E+07	2.2800E-02	4.6000E+07	2.2700E-02	9437	3154	349
4.8000E+07	2.2000E-02	5.0000E+07	2.1600E-02	5.2000E+07	2.1200E-02	9437	3154	350
5.4000E+07	2.0400E-02	5.6000E+07	1.9600E-02	5.8000E+07	1.9400E-02	9437	3154	351
6.0000E+07	1.9100E-02	6.2000E+07	1.8900E-02	6.4000E+07	1.8500E-02	9437	3154	352
6.6000E+07	1.8800E-02	6.8000E+07	1.8400E-02	7.0000E+07	1.8200E-02	9437	3154	353
7.2000E+07	1.7900E-02	7.4000E+07	1.7900E-02	7.6000E+07	1.7900E-02	9437	3154	354
7.8000E+07	1.7700E-02	8.0000E+07	1.7500E-02	8.5000E+07	1.6800E-02	9437	3154	355
9.0000E+07	1.6700E-02	9.5000E+07	1.6500E-02	1.0000E+08	1.6300E-02	9437	3	0
						09437	3155	358
9.4237E+04	2.3700E+02		0	0	0	429437	3155	359
-1.6072E+07	-1.6072E+07		0	0	1	9437	3155	360
	42	2						
1.6140E+07	0.0000E+00	2.4000E+07	1.3100E-10	2.5000E+07	1.0600E-09	9437	3155	361
2.6000E+07	1.1600E-08	2.7000E+07	1.5700E-07	2.8000E+07	1.0200E-06	9437	3155	362
2.9000E+07	4.3500E-06	3.0000E+07	1.4400E-05	3.1000E+07	3.6900E-05	9437	3155	363
3.2000E+07	8.1700E-05	3.3000E+07	1.5300E-04	3.4000E+07	2.6200E-04	9437	3155	364
3.5000E+07	4.0300E-04	3.6000E+07	5.7500E-04	3.7000E+07	7.9300E-04	9437	3155	365
3.8000E+07	1.0200E-03	3.9000E+07	1.2800E-03	4.0000E+07	1.5400E-03	9437	3155	366
4.2000E+07	2.1700E-03	4.4000E+07	2.6900E-03	4.6000E+07	3.1600E-03	9437	3155	367
4.8000E+07	3.6900E-03	5.0000E+07	4.0600E-03	5.2000E+07	4.4600E-03	9437	3155	368
5.4000E+07	4.9100E-03	5.6000E+07	5.1700E-03	5.8000E+07	5.3400E-03	9437	3155	369
6.0000E+07	5.4100E-03	6.2000E+07	5.4300E-03	6.4000E+07	5.4200E-03	9437	3155	370
6.6000E+07	5.2500E-03	6.8000E+07	5.0600E-03	7.0000E+07	4.8700E-03	9437	3155	371
7.2000E+07	4.6800E-03	7.4000E+07	4.5400E-03	7.6000E+07	4.4400E-03	9437	3155	372
7.8000E+07	4.3300E-03	8.0000E+07	4.2500E-03	8.5000E+07	4.0400E-03	9437	3155	373
9.0000E+07	3.9600E-03	9.5000E+07	3.8500E-03	1.0000E+08	3.7600E-03	9437	3	0
						09437	3156	376
9.4237E+04	2.3700E+02		0	0	0	379437	3156	377
-2.2203E+07	-2.2203E+07		0	0	1	9437	3156	378
	37	2						
2.2296E+07	0.0000E+00	2.9000E+07	2.1500E-15	3.0000E+07	3.1000E-12	9437	3156	379
3.1000E+07	6.3000E-11	3.2000E+07	4.7000E-10	3.3000E+07	4.0900E-09	9437	3156	380
3.4000E+07	3.3200E-08	3.5000E+07	1.6600E-07	3.6000E+07	6.3200E-07	9437	3156	381
3.7000E+07	2.0700E-06	3.8000E+07	5.2700E-06	3.9000E+07	1.2100E-05	9437	3156	382
4.0000E+07	2.3500E-05	4.2000E+07	7.1700E-05	4.4000E+07	1.4500E-04	9437	3156	383
4.6000E+07	2.4100E-04	4.8000E+07	3.3500E-04	5.0000E+07	4.3100E-04	9437	3156	384
5.2000E+07	5.1200E-04	5.4000E+07	5.9100E-04	5.6000E+07	6.7400E-04	9437	3156	385
5.8000E+07	7.5100E-04	6.0000E+07	8.2500E-04	6.2000E+07	8.8600E-04	9437	3156	386
6.4000E+07	9.4300E-04	6.6000E+07	1.0000E-03	6.8000E+07	1.0600E-03	9437	3156	387
7.0000E+07	1.1100E-03	7.2000E+07	1.1500E-03	7.4000E+07	1.1900E-03	9437	3156	388
7.6000E+07	1.2000E-03	7.8000E+07	1.1900E-03	8.0000E+07	1.1700E-03	9437	3156	389
8.5000E+07	1.0900E-03	9.0000E+07	1.0200E-03	9.5000E+07	9.6100E-04	9437	3156	390
1.0000E+08	9.1600E-04					9437	3156	391
						9437	3	0
9.4237E+04	2.3700E+02		0	0	0	09437	3157	393
-2.9554E+07	-2.9554E+07		0	0	1	299437	3157	394
	29	2				9437	3157	395
2.9679E+07	0.0000E+00	3.7000E+07	1.5300E-15	3.8000E+07	4.0400E-13	9437	3157	396
3.9000E+07	8.1200E-12	4.0000E+07	6.3500E-11	4.2000E+07	4.6500E-09	9437	3157	397
4.4000E+07	8.1100E-08	4.6000E+07	6.8400E-07	4.8000E+07	2.8400E-06	9437	3157	398
5.0000E+07	8.5600E-06	5.2000E+07	1.8200E-05	5.4000E+07	3.2200E-05	9437	3157	399
5.6000E+07	4.8200E-05	5.8000E+07	6.3900E-05	6.0000E+07	7.7400E-05	9437	3157	400
6.2000E+07	9.1000E-05	6.4000E+07	1.0400E-04	6.6000E+07	1.1600E-04	9437	3157	401

6.8000E+07	1.2800E-04	7.0000E+07	1.3900E-04	7.2000E+07	1.5000E-04	9437	3157	402
7.4000E+07	1.5800E-04	7.6000E+07	1.6500E-04	7.8000E+07	1.7200E-04	9437	3157	403
8.0000E+07	1.7900E-04	8.5000E+07	2.0400E-04	9.0000E+07	2.1300E-04	9437	3157	404
9.5000E+07	2.1600E-04	1.0000E+08	2.0900E-04			9437	3157	405
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0	0	09437	3158	407
-3.5962E+07	-3.5962E+07	0	0	1	1	249437	3158	408
24	2					9437	3158	409
3.6114E+07	0.0000E+00	4.4000E+07	1.2400E-15	4.6000E+07	3.3500E-13	9437	3158	410
4.8000E+07	1.1900E-11	5.0000E+07	2.6700E-10	5.2000E+07	2.9200E-09	9437	3158	411
5.4000E+07	1.8500E-08	5.6000E+07	7.2900E-08	5.8000E+07	1.9700E-07	9437	3158	412
6.0000E+07	3.7000E-07	6.2000E+07	6.6500E-07	6.4000E+07	1.0600E-06	9437	3158	413
6.6000E+07	1.4800E-06	6.8000E+07	1.8700E-06	7.0000E+07	2.2100E-06	9437	3158	414
7.2000E+07	2.5100E-06	7.4000E+07	2.7600E-06	7.6000E+07	3.0000E-06	9437	3158	415
7.8000E+07	3.1600E-06	8.0000E+07	3.4100E-06	8.5000E+07	3.9800E-06	9437	3158	416
9.0000E+07	4.4100E-06	9.5000E+07	4.7700E-06	1.0000E+08	5.1900E-06	9437	3	0
						9437	3159	418
9.4237E+04	2.3700E+02	0	0	0	0	09437	3159	419
-4.3937E+07	-4.3937E+07	0	0	1	1	209437	3159	420
20	2					9437	3159	421
4.4123E+07	0.0000E+00	5.2000E+07	1.4600E-18	5.4000E+07	7.1800E-16	9437	3159	422
5.6000E+07	2.9500E-14	5.8000E+07	5.4000E-13	6.0000E+07	3.8700E-12	9437	3159	423
6.2000E+07	2.8800E-11	6.4000E+07	1.7100E-10	6.6000E+07	5.9700E-09	9437	3159	424
6.8000E+07	1.5900E-09	7.0000E+07	3.2900E-09	7.2000E+07	5.7700E-09	9437	3159	425
7.4000E+07	8.6500E-09	7.6000E+07	1.1900E-08	7.8000E+07	1.5000E-08	9437	3159	426
8.0000E+07	1.7800E-08	8.5000E+07	2.3300E-08	9.0000E+07	2.7700E-08	9437	3159	427
9.5000E+07	3.2200E-08	1.0000E+08	3.6400E-08			9437	3159	428
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0	0	09437	3160	430
-5.0438E+07	-5.0438E+07	0	0	1	1	149437	3160	431
14	2					9437	3160	432
5.0651E+07	0.0000E+00	6.4000E+07	1.4900E-16	6.6000E+07	2.0900E-15	9437	3160	433
6.8000E+07	2.0900E-14	7.0000E+07	1.3000E-13	7.2000E+07	6.1700E-13	9437	3160	434
7.4000E+07	2.0100E-12	7.6000E+07	5.3300E-12	7.8000E+07	1.1600E-11	9437	3160	435
8.0000E+07	2.1800E-11	8.5000E+07	5.6500E-11	9.0000E+07	8.7800E-11	9437	3160	436
9.5000E+07	1.1000E-10	1.0000E+08	1.2600E-10			9437	3160	437
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0	0	09437	3161	439
-5.8523E+07	-5.8523E+07	0	0	1	1	89437	3161	440
8	2					9437	3161	441
5.8770E+07	0.0000E+00	7.6000E+07	3.5800E-18	7.8000E+07	3.0400E-17	9437	3161	442
8.0000E+07	1.8000E-16	8.5000E+07	4.2800E-15	9.0000E+07	2.7100E-14	9437	3161	443
9.5000E+07	7.8800E-14	1.0000E+08	1.2900E-13			9437	3161	444
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0	0	09437	3162	446
-6.5255E+07	-6.5255E+07	0	0	1	1	99437	3162	447
9	2					9437	3162	448
6.5530E+07	0.0000E+00	7.4000E+07	5.2700E-31	7.6000E+07	2.6600E-27	9437	3162	449
7.8000E+07	5.0300E-25	8.0000E+07	1.9700E-23	8.5000E+07	1.1800E-20	9437	3162	450
9.0000E+07	6.9400E-19	9.5000E+07	1.0400E-17	1.0000E+08	4.8900E-17	9437	3162	451
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0	0	09437	3174	453
-8.1832E+06	-8.1832E+06	0	0	1	1	369437	3174	454
36	2					9437	3174	455
8.2177E+06	0.0000E+00	3.0000E+07	7.6100E-10	3.1000E+07	8.2500E-09	9437	3174	456
3.2000E+07	4.0000E-08	3.3000E+07	1.2500E-07	3.4000E+07	3.1000E-07	9437	3174	457
3.5000E+07	7.2100E-07	3.6000E+07	1.6100E-06	3.7000E+07	3.5200E-06	9437	3174	458
3.8000E+07	7.0700E-06	3.9000E+07	1.4700E-05	4.0000E+07	3.0000E-05	9437	3174	459
4.2000E+07	1.2700E-04	4.4000E+07	3.1100E-04	4.6000E+07	5.7100E-04	9437	3174	460
4.8000E+07	8.9500E-04	5.0000E+07	1.2400E-03	5.2000E+07	1.5700E-03	9437	3174	461
5.4000E+07	1.8900E-03	5.6000E+07	2.1500E-03	5.8000E+07	2.3300E-03	9437	3174	462
6.0000E+07	2.4700E-03	6.2000E+07	2.5600E-03	6.4000E+07	2.5900E-03	9437	3174	463
6.6000E+07	2.6200E-03	6.8000E+07	2.6400E-03	7.0000E+07	2.6400E-03	9437	3174	464
7.2000E+07	2.6600E-03	7.4000E+07	2.6500E-03	7.6000E+07	2.6400E-03	9437	3174	465
7.8000E+07	2.6300E-03	8.0000E+07	2.6400E-03	8.5000E+07	2.6600E-03	9437	3174	466
9.0000E+07	2.6300E-03	9.5000E+07	2.6000E-03	1.0000E+08	2.6000E-03	9437	3174	467
						9437	3	0
						9437	3	0

9.4237E+04	2.3700E+02	0	0	0	09437	3175	469
1.2591E+07	1.2591E+07	0	0	1	639437	3175	470
63	2				9437	3175	471
1.0000E-05	0.0000E+00	3.0000E+06	6.3100E-10	4.0000E+06	3.3300E-089437	3175	472
5.0000E+06	2.0400E-07	6.0000E+06	8.8300E-07	7.0000E+06	3.1700E-069437	3175	473
8.0000E+06	9.9700E-06	9.0000E+06	2.8300E-05	1.0000E+07	7.1100E-059437	3175	474
1.1000E+07	1.6400E-04	1.2000E+07	3.3300E-04	1.3000E+07	5.9500E-049437	3175	475
1.4000E+07	9.4400E-04	1.5000E+07	1.3500E-03	1.6000E+07	1.7800E-039437	3175	476
1.7000E+07	2.1700E-03	1.8000E+07	2.2975E-03	1.9000E+07	2.4250E-039437	3175	477
2.0000E+07	2.5525E-03	2.1000E+07	2.6800E-03	2.2000E+07	2.8000E-039437	3175	478
2.3000E+07	2.7300E-03	2.4000E+07	2.6400E-03	2.5000E+07	2.5300E-039437	3175	479
2.6000E+07	2.4100E-03	2.7000E+07	2.2800E-03	2.8000E+07	2.1400E-039437	3175	480
2.9000E+07	2.0000E-03	3.0000E+07	1.8600E-03	3.1000E+07	1.7400E-039437	3175	481
3.2000E+07	1.6100E-03	3.3000E+07	1.4900E-03	3.4000E+07	1.4000E-039437	3175	482
3.5000E+07	1.3000E-03	3.6000E+07	1.2100E-03	3.7000E+07	1.1000E-039437	3175	483
3.8000E+07	1.0100E-03	3.9000E+07	9.3000E-04	4.0000E+07	8.5100E-049437	3175	484
4.2000E+07	5.9600E-04	4.4000E+07	5.1400E-04	4.6000E+07	4.4600E-049437	3175	485
4.8000E+07	3.8800E-04	5.0000E+07	3.4600E-04	5.2000E+07	3.2900E-049437	3175	486
5.4000E+07	3.5000E-04	5.6000E+07	4.1000E-04	5.8000E+07	5.1500E-049437	3175	487
6.0000E+07	6.7100E-04	6.2000E+07	8.3400E-04	6.4000E+07	9.8700E-049437	3175	488
6.6000E+07	1.1500E-03	6.8000E+07	1.3000E-03	7.0000E+07	1.4200E-039437	3175	489
7.2000E+07	1.5100E-03	7.4000E+07	1.5800E-03	7.6000E+07	1.6300E-039437	3175	490
7.8000E+07	1.6600E-03	8.0000E+07	1.6700E-03	8.5000E+07	1.6800E-039437	3175	491
9.0000E+07	1.6600E-03	9.5000E+07	1.6500E-03	1.0000E+08	1.6400E-039437	3175	492
					9437	3	0
9.4237E+04	2.3700E+02	0	0	0	09437	3176	494
5.7474E+06	5.7474E+06	0	0	1	569437	3176	495
56	2				9437	3176	496
1.0000E-05	0.0000E+00	1.0000E+07	3.4700E-09	1.1000E+07	1.9100E-079437	3176	497
1.2000E+07	7.0600E-07	1.3000E+07	2.1700E-06	1.4000E+07	6.5300E-069437	3176	498
1.5000E+07	1.8400E-05	1.6000E+07	4.7700E-05	1.7000E+07	1.1600E-049437	3176	499
1.8000E+07	3.7950E-04	1.9000E+07	6.4300E-04	2.0000E+07	9.0650E-049437	3176	500
2.1000E+07	1.1700E-03	2.2000E+07	1.5100E-03	2.3000E+07	1.9100E-039437	3176	501
2.4000E+07	2.2800E-03	2.5000E+07	2.5800E-03	2.6000E+07	2.7800E-039437	3176	502
2.7000E+07	2.9000E-03	2.8000E+07	2.9300E-03	2.9000E+07	2.9000E-039437	3176	503
3.0000E+07	2.8500E-03	3.1000E+07	2.7500E-03	3.2000E+07	2.6300E-039437	3176	504
3.3000E+07	2.4900E-03	3.4000E+07	2.3400E-03	3.5000E+07	2.2000E-039437	3176	505
3.6000E+07	2.0000E-03	3.7000E+07	1.8500E-03	3.8000E+07	1.7200E-039437	3176	506
3.9000E+07	1.5900E-03	4.0000E+07	1.4700E-03	4.2000E+07	1.2400E-039437	3176	507
4.4000E+07	1.0600E-03	4.6000E+07	8.8000E-04	4.8000E+07	7.4300E-049437	3176	508
5.0000E+07	6.1300E-04	5.2000E+07	5.1700E-04	5.4000E+07	4.4300E-049437	3176	509
5.6000E+07	3.7600E-04	5.8000E+07	3.1300E-04	6.0000E+07	2.4200E-049437	3176	510
6.2000E+07	2.0500E-04	6.4000E+07	1.7600E-04	6.6000E+07	1.6100E-049437	3176	511
6.8000E+07	1.5800E-04	7.0000E+07	1.7200E-04	7.2000E+07	2.1000E-049437	3176	512
7.4000E+07	2.5600E-04	7.6000E+07	3.1700E-04	7.8000E+07	3.7700E-049437	3176	513
8.0000E+07	4.3400E-04	8.5000E+07	5.5500E-04	9.0000E+07	6.3900E-049437	3176	514
9.5000E+07	6.6200E-04	1.0000E+08	6.5900E-04		9437	3176	515
					9437	3	0
9.4237E+04	2.3700E+02	0	0	0	09437	3177	517
-6.6280E+03	-6.6280E+03	0	0	1	509437	3177	518
50	2				9437	3177	519
6.6560E+03	0.0000E+00	1.6000E+07	8.3000E-10	1.7000E+07	6.1700E-089437	3177	520
1.8000E+07	1.8163E-06	1.9000E+07	3.5709E-06	2.0000E+07	5.3254E-069437	3177	521
2.1000E+07	7.0800E-06	2.2000E+07	1.5800E-05	2.3000E+07	3.8200E-059437	3177	522
2.4000E+07	8.6400E-05	2.5000E+07	1.7200E-04	2.6000E+07	3.0200E-049437	3177	523
2.7000E+07	4.6700E-04	2.8000E+07	6.6200E-04	2.9000E+07	8.5400E-049437	3177	524
3.0000E+07	1.0500E-03	3.1000E+07	1.2200E-03	3.2000E+07	1.3600E-039437	3177	525
3.3000E+07	1.4700E-03	3.4000E+07	1.5400E-03	3.5000E+07	1.5600E-039437	3177	526
3.6000E+07	1.5800E-03	3.7000E+07	1.5600E-03	3.8000E+07	1.5100E-039437	3177	527
3.9000E+07	1.4400E-03	4.0000E+07	1.3700E-03	4.2000E+07	1.0900E-039437	3177	528
4.4000E+07	9.4700E-04	4.6000E+07	8.1500E-04	4.8000E+07	7.0300E-049437	3177	529
5.0000E+07	6.0200E-04	5.2000E+07	5.0400E-04	5.4000E+07	4.2300E-049437	3177	530
5.6000E+07	3.5500E-04	5.8000E+07	3.0000E-04	6.0000E+07	2.5800E-049437	3177	531
6.2000E+07	2.2100E-04	6.4000E+07	1.8600E-04	6.6000E+07	1.5400E-049437	3177	532
6.8000E+07	1.2700E-04	7.0000E+07	1.0100E-04	7.2000E+07	8.0100E-059437	3177	533
7.4000E+07	6.2900E-05	7.6000E+07	5.1100E-05	7.8000E+07	4.7400E-059437	3177	534
8.0000E+07	5.2200E-05	8.5000E+07	9.1800E-05	9.0000E+07	1.3900E-049437	3177	535

9.5000E+07	1.8400E-04	1.0000E+08	2.2600E-04				9437	3177	536
							9437	3	0
9.4237E+04	2.3700E+02		0	0	0		09437	3178	538
-7.2613E+06	-7.2613E+06		0	0	1		429437	3178	539
	42	2					9437	3178	540
7.2920E+06	0.0000E+00	2.4000E+07	4.7700E-10	2.5000E+07	9.0500E-09	9437	3178	541	
2.6000E+07	5.5400E-08	2.7000E+07	2.0000E-07	2.8000E+07	5.7900E-07	9437	3178	542	
2.9000E+07	1.5300E-06	3.0000E+07	3.9100E-06	3.1000E+07	9.2800E-06	9437	3178	543	
3.2000E+07	2.0500E-05	3.3000E+07	4.2100E-05	3.4000E+07	7.6200E-05	9437	3178	544	
3.5000E+07	1.2400E-04	3.6000E+07	1.8400E-04	3.7000E+07	2.5400E-04	9437	3178	545	
3.8000E+07	3.2300E-04	3.9000E+07	3.9100E-04	4.0000E+07	4.5100E-04	9437	3178	546	
4.2000E+07	5.4100E-04	4.4000E+07	5.6500E-04	4.6000E+07	5.4500E-04	9437	3178	547	
4.8000E+07	5.0400E-04	5.0000E+07	4.5100E-04	5.2000E+07	3.9300E-04	9437	3178	548	
5.4000E+07	3.4100E-04	5.6000E+07	2.9400E-04	5.8000E+07	2.4200E-04	9437	3178	549	
6.0000E+07	2.0600E-04	6.2000E+07	1.7300E-04	6.4000E+07	1.4400E-04	9437	3178	550	
6.6000E+07	1.2000E-04	6.8000E+07	1.0200E-04	7.0000E+07	8.6200E-05	9437	3178	551	
7.2000E+07	7.3100E-05	7.4000E+07	6.1300E-05	7.6000E+07	5.0500E-05	9437	3178	552	
7.8000E+07	4.0400E-05	8.0000E+07	3.1400E-05	8.5000E+07	1.5200E-05	9437	3178	553	
9.0000E+07	9.3700E-06	9.5000E+07	1.6800E-05	1.0000E+08	2.6900E-05	9437	3178	554	
						9437	3	0	
9.4237E+04	2.3700E+02		0	0	0		09437	3179	556
-1.3160E+07	-1.3160E+07		0	0	1		369437	3179	557
	36	2					9437	3179	558
1.3216E+07	0.0000E+00	3.0000E+07	5.7300E-12	3.1000E+07	2.4800E-10	9437	3179	559	
3.2000E+07	2.1500E-09	3.3000E+07	1.0300E-08	3.4000E+07	3.7500E-08	9437	3179	560	
3.5000E+07	1.1200E-07	3.6000E+07	3.0100E-07	3.7000E+07	7.9200E-07	9437	3179	561	
3.8000E+07	1.8700E-06	3.9000E+07	4.0300E-06	4.0000E+07	7.6500E-06	9437	3179	562	
4.2000E+07	2.0200E-05	4.4000E+07	4.0400E-05	4.6000E+07	6.4900E-05	9437	3179	563	
4.8000E+07	8.4200E-05	5.0000E+07	9.6200E-05	5.2000E+07	1.0000E-04	9437	3179	564	
5.4000E+07	9.7200E-05	5.6000E+07	9.0400E-05	5.8000E+07	8.2300E-05	9437	3179	565	
6.0000E+07	7.2700E-05	6.2000E+07	6.3500E-05	6.4000E+07	5.4700E-05	9437	3179	566	
6.6000E+07	4.6900E-05	6.8000E+07	4.0000E-05	7.0000E+07	3.3500E-05	9437	3179	567	
7.2000E+07	2.8300E-05	7.4000E+07	2.4100E-05	7.6000E+07	2.0500E-05	9437	3179	568	
7.8000E+07	1.7400E-05	8.0000E+07	1.4700E-05	8.5000E+07	9.0600E-06	9437	3179	569	
9.0000E+07	4.6900E-06	9.5000E+07	1.8100E-06	1.0000E+08	1.2800E-06	9437	3179	570	
						9437	3	0	
9.4237E+04	2.3700E+02		0	0	0		09437	3180	572
-2.0826E+07	-2.0826E+07		0	0	1		289437	3180	573
	28	2					9437	3180	574
2.0914E+07	0.0000E+00	3.8000E+07	3.3300E-14	3.9000E+07	1.9700E-12	9437	3180	575	
4.0000E+07	2.2400E-11	4.2000E+07	6.4500E-10	4.4000E+07	5.7500E-09	9437	3180	576	
4.6000E+07	3.9300E-08	4.8000E+07	1.8400E-07	5.0000E+07	6.0800E-07	9437	3180	577	
5.2000E+07	1.4500E-06	5.4000E+07	2.5900E-06	5.6000E+07	3.7900E-06	9437	3180	578	
5.8000E+07	4.7600E-06	6.0000E+07	5.3600E-06	6.2000E+07	5.5700E-06	9437	3180	579	
6.4000E+07	5.4700E-06	6.6000E+07	5.0900E-06	6.8000E+07	4.6100E-06	9437	3180	580	
7.0000E+07	4.0800E-06	7.2000E+07	3.5800E-06	7.4000E+07	3.1200E-06	9437	3180	581	
7.6000E+07	2.6500E-06	7.8000E+07	2.2600E-06	8.0000E+07	1.9200E-06	9437	3180	582	
8.5000E+07	1.3500E-06	9.0000E+07	8.8800E-07	9.5000E+07	5.5900E-07	9437	3180	583	
1.0000E+08	3.0500E-07					9437	3180	584	
						9437	3	0	
9.4237E+04	2.3700E+02		0	0	0		09437	3181	586
-2.7295E+07	-2.7295E+07		0	0	1		239437	3181	587
	23	2					9437	3181	588
2.7410E+07	0.0000E+00	4.6000E+07	7.2500E-14	4.8000E+07	2.6100E-12	9437	3181	589	
5.0000E+07	3.3300E-11	5.2000E+07	2.7700E-10	5.4000E+07	1.5900E-09	9437	3181	590	
5.6000E+07	6.5100E-09	5.8000E+07	1.8800E-08	6.0000E+07	4.0700E-08	9437	3181	591	
6.2000E+07	7.0600E-08	6.4000E+07	1.0500E-07	6.6000E+07	1.3500E-07	9437	3181	592	
6.8000E+07	1.5300E-07	7.0000E+07	1.6200E-07	7.2000E+07	1.6200E-07	9437	3181	593	
7.4000E+07	1.5500E-07	7.6000E+07	1.4400E-07	7.8000E+07	1.2800E-07	9437	3181	594	
8.0000E+07	1.1400E-07	8.5000E+07	8.3800E-08	9.0000E+07	5.6200E-08	9437	3181	595	
9.5000E+07	3.7900E-08	1.0000E+08	2.5400E-08			9437	3181	596	
						9437	3	0	
9.4237E+04	2.3700E+02		0	0	0		09437	3182	598
-3.5136E+07	-3.5136E+07		0	0	1		189437	3182	599
	18	2					9437	3182	600
3.5284E+07	0.0000E+00	5.6000E+07	6.2600E-15	5.8000E+07	9.7200E-14	9437	3182	601	
6.0000E+07	8.3500E-13	6.2000E+07	5.4500E-12	6.4000E+07	2.7300E-11	9437	3182	602	

6.6000E+07	1.0200E-10	6.8000E+07	2.6200E-10	7.0000E+07	5.5300E-10	9437	3182	603
7.2000E+07	9.2900E-10	7.4000E+07	1.3700E-09	7.6000E+07	1.7900E-09	9437	3182	604
7.8000E+07	2.1300E-09	8.0000E+07	2.3200E-09	8.5000E+07	2.3000E-09	9437	3182	605
9.0000E+07	1.8300E-09	9.5000E+07	1.3300E-09	1.0000E+08	9.2700E-10	9437	3182	606
						9437	3	0
9.4237E+04	2.3700E+02	0	0	0		09437	3183	608
-4.1567E+07	-4.1567E+07	0	0	1		179437	3183	609
	17	2				9437	3183	610
4.1742E+07	0.0000E+00	5.8000E+07	1.3700E-25	6.0000E+07	1.4600E-20	9437	3183	611
6.2000E+07	1.9900E-18	6.4000E+07	6.8500E-17	6.6000E+07	1.0400E-15	9437	3183	612
6.8000E+07	8.8900E-15	7.0000E+07	6.1000E-14	7.2000E+07	2.6500E-13	9437	3183	613
7.4000E+07	9.1900E-13	7.6000E+07	2.4800E-12	7.8000E+07	5.3900E-12	9437	3183	614
8.0000E+07	9.4900E-12	8.5000E+07	2.0700E-11	9.0000E+07	3.0300E-11	9437	3183	615
9.5000E+07	3.1600E-11	1.0000E+08	2.7300E-11			9437	3	0
						9437	0	0
						0	0	0
						-1	0	0
						0	0	0
Pu-238	WIND							
9.4238E+04	2.3800E+02	-1	0	99		19438	1451	1
0.0000E+00	0.0000E+00	0	0	0		69438	1451	2
1.0000E+00	0.0000E+00	0	0	10		29438	1451	3
0.0000E+00	0.0000E+00	0	0	67		339438	1451	4
94-Pu-238	INPE	EVAL-SEP94	YU.A.KOROVIN	ET.AL.		9438	1451	5
		DIST-OCT94				9438	1451	6
----	WIND	MATERIAL	9438			9438	1451	7
-----	INCIDENT-NEUTRON	DATA				9438	1451	8
-----	ENDF-6	FORMAT				9438	1451	9
AUTHORS OF EVALUATION:	A.YU.KONOBAYEV	, YU.A.KOROVIN	,			9438	1451	10
	P.E.PERESLAVTSEV	, V.I.PLYASKIN				9438	1451	11
						9438	1451	12
FILE OF ACTINIDE DATA	LIBRARY	WIND				9438	1451	13
ENERGY OF PROJECTILE:	0-100	MEV				9438	1451	14
REFERENCE:	KERNTECHNIK	, 1994	, V.59	, P.87		9438	1451	15
						9438	1451	16
CONTENT OF FILE:						9438	1451	17
						9438	1451	18
MF = 1	GENERAL	INFORMATION				9438	1451	19
						9438	1451	20
MT = 451	COMMENTS	AND	DICTIONARY			9438	1451	21
						9438	1451	22
MF = 3	NEUTRON	CROSS-SECTIONS				9438	1451	23
						9438	1451	24
(N,2N)	REACTION	CROSS-SECTIONS	ARE	ORIGINAL		9438	1451	25
(N,3N)	REACTION	CROSS-SECTIONS	ARE	ORIGINAL		9438	1451	26
(N,F)	REACTION	CROSS-SECTIONS	BELOW	20	MEV	9438	1451	27
	THIS	VERSION	OF	THE	LIBRARY	9438	1451	28
	INCLUDES	FAST	ENERGY	REGION	FOR	9438	1451	29
	SECTION	MT=18	FROM	0.1	UP	TO	100	MEV.
	THE	VERSION	WITH	THE	DATA	9438	1451	30
	AT	LOW	ENERGIES	WITH	RESONANCE	CONTRIBUTION	RECONSTRUCTION	
	IS	AVAILABLE	FROM	THE	AUTHORS	AFTER	REQUEST	
						9438	1451	31
						9438	1451	32
MT=16,17,18,37,103,111	ARE	STANDARD	ENDF-6	SECTIONS	,	9438	1451	33
OTHER	MT	NUMBERS	ARE	NEW	ASSIGNED	9438	1451	34
IN	FOLLOWING	DESCRIPTION	"(N,X)"	MEANS	SUM	CROSS-SECTIONS	OF	
ALL	REACTIONS	RESULTED	IN	THE	SAME	RESIDUAL	NUCLEUS	WITHOUT
RADIOACTIVE	DECAY	TAKEN	INTO	ACCOUNT		9438	1451	36
						9438	1451	37
						9438	1451	38
MT = 16	(N,2N)	CROSS-SECTION	(Pu237	PRODUCTION)		9438	1451	39
MT = 17	(N,3N)	CROSS-SECTION	(Pu236	PRODUCTION)		9438	1451	40
MT = 18	(N,F) FISSION	CROSS-SECTION				9438	1451	41
MT = 37	(N,4N)	CROSS-SECTION	(Pu235	PRODUCTION)		9438	1451	42
MT =103	(N,P)	CROSS-SECTION	(Np238	PRODUCTION)		9438	1451	43
MT =111	(N,2P)	CROSS-SECTION	(U237	PRODUCTION)		9438	1451	44
MT =121	(N,5N)	CROSS-SECTION	(Pu234	PRODUCTION)		9438	1451	45
MT =122	(N,6N)	CROSS-SECTION	(Pu233	PRODUCTION)		9438	1451	46
MT =123	(N,7N)	CROSS-SECTION	(Pu232	PRODUCTION)		9438	1451	47
MT =124	(N,8N)	CROSS-SECTION	(Pu231	PRODUCTION)		9438	1451	48

MT =125 (N, 9N)	CROSS-SECTION (Pu230 PRODUCTION)	9438	1451	49
MT =126 (N, 10N)	CROSS-SECTION (Pu229 PRODUCTION)	9438	1451	50
MT =153 (N, NP) + (N, D)	CROSS-SECTION (Np237 PRODUCTION)	9438	1451	51
MT =154 (N, 2NP) + (N, ND)	CROSS-SECTION (Np236 PRODUCTION)	9438	1451	52
MT =155 (N, 3NP) + (N, 2ND)	CROSS-SECTION (Np235 PRODUCTION)	9438	1451	53
MT =156 (N, 4NP) + (N, 3ND)	CROSS-SECTION (Np234 PRODUCTION)	9438	1451	54
MT =157 (N, 5NP) + (N, 4ND)	CROSS-SECTION (Np233 PRODUCTION)	9438	1451	55
MT =158 (N, 6NP) + (N, 5ND)	CROSS-SECTION (Np232 PRODUCTION)	9438	1451	56
MT =159 (N, 7NP) + (N, 6ND)	CROSS-SECTION (Np231 PRODUCTION)	9438	1451	57
MT =160 (N, 8NP) + (N, 7ND)	CROSS-SECTION (Np230 PRODUCTION)	9438	1451	58
MT =161 (N, 9NP) + (N, 8ND)	CROSS-SECTION (Np229 PRODUCTION)	9438	1451	59
MT =162 (N, 10NP) + (N, 9ND)	CROSS-SECTION (Np228 PRODUCTION)	9438	1451	60
MT =174 (N, N2P) + (N, PD)	CROSS-SECTION (U236 PRODUCTION)	9438	1451	61
MT =175 (N, 2N2P) + (N, X)	CROSS-SECTION (U235 PRODUCTION)	9438	1451	62
MT =176 (N, 3N2P) + (N, X)	CROSS-SECTION (U234 PRODUCTION)	9438	1451	63
MT =177 (N, 4N2P) + (N, X)	CROSS-SECTION (U233 PRODUCTION)	9438	1451	64
MT =178 (N, 5N2P) + (N, X)	CROSS-SECTION (U232 PRODUCTION)	9438	1451	65
MT =179 (N, 6N2P) + (N, X)	CROSS-SECTION (U231 PRODUCTION)	9438	1451	66
MT =180 (N, 7N2P) + (N, X)	CROSS-SECTION (U230 PRODUCTION)	9438	1451	67
MT =181 (N, 8N2P) + (N, X)	CROSS-SECTION (U229 PRODUCTION)	9438	1451	68
MT =182 (N, 9N2P) + (N, X)	CROSS-SECTION (U228 PRODUCTION)	9438	1451	69
MT =183 (N, 10N2P) + (N, X)	CROSS-SECTION (U227 PRODUCTION)	9438	1451	70
		9438	1451	71
	1	451	104	19438 1451 72
	3	16	23	19438 1451 73
	3	17	21	19438 1451 74
	3	18	46	19438 1451 75
	3	37	18	19438 1451 76
	3	103	23	19438 1451 77
	3	111	18	19438 1451 78
	3	121	16	19438 1451 79
	3	122	14	19438 1451 80
	3	123	11	19438 1451 81
	3	124	10	19438 1451 82
	3	125	9	19438 1451 83
	3	126	8	19438 1451 84
	3	153	21	19438 1451 85
	3	154	19	19438 1451 86
	3	155	17	19438 1451 87
	3	156	15	19438 1451 88
	3	157	13	19438 1451 89
	3	158	11	19438 1451 90
	3	159	10	19438 1451 91
	3	160	9	19438 1451 92
	3	161	7	19438 1451 93
	3	162	6	19438 1451 94
	3	174	16	19438 1451 95
	3	175	24	19438 1451 96
	3	176	22	19438 1451 97
	3	177	20	19438 1451 98
	3	178	17	19438 1451 99
	3	179	15	19438 1451 100
	3	180	13	19438 1451 101
	3	181	11	19438 1451 102
	3	182	10	19438 1451 103
	3	183	9	19438 1451 104
				9438 1 0 105
				9438 0 0 106
9.4238E+04 2.3800E+02	0	0	0	09438 3 16 107
-6.9705E+06-6.9705E+06	0	0	1	589438 3 16 108
58 2				9438 3 16 109
6.9998E+06 0.0000E+00 8.0000E+06 7.3500E-02 9.0000E+06 1.5200E-01	19438	3	16	110
1.0000E+07 1.8700E-01 1.1000E+07 2.0600E-01 1.2000E+07 2.2000E-01	19438	3	16	111
1.3000E+07 2.3300E-01 1.4000E+07 2.3300E-01 1.5000E+07 2.0000E-01	19438	3	16	112
1.6000E+07 1.5700E-01 1.7000E+07 1.2500E-01 1.8000E+07 1.0400E-01	19438	3	16	113
1.9000E+07 9.1200E-02 2.0000E+07 8.2700E-02 2.1000E+07 7.4000E-02	19438	3	16	114
2.2000E+07 6.6200E-02 2.3000E+07 6.2100E-02 2.4000E+07 5.9500E-02	19438	3	16	115

2.5000E+07	5.6600E-02	2.6000E+07	5.2800E-02	2.7000E+07	5.0900E-029438	3	16	116
2.8000E+07	4.9100E-02	2.9000E+07	4.7600E-02	3.0000E+07	4.6300E-029438	3	16	117
3.1000E+07	4.4500E-02	3.2000E+07	4.3600E-02	3.3000E+07	4.2900E-029438	3	16	118
3.4000E+07	4.2200E-02	3.5000E+07	4.1400E-02	3.6000E+07	4.0800E-029438	3	16	119
3.7000E+07	3.9800E-02	3.8000E+07	3.9100E-02	3.9000E+07	3.8700E-029438	3	16	120
4.0000E+07	3.8300E-02	4.2000E+07	3.6741E-02	4.4000E+07	3.5597E-029438	3	16	121
4.6000E+07	3.4665E-02	4.8000E+07	3.3844E-02	5.0000E+07	3.2933E-029438	3	16	122
5.2000E+07	3.2331E-02	5.4000E+07	3.1736E-02	5.6000E+07	3.1148E-029438	3	16	123
5.8000E+07	3.0466E-02	6.0000E+07	3.0089E-02	6.2000E+07	2.9417E-029438	3	16	124
6.4000E+07	2.8850E-02	6.6000E+07	2.8187E-02	6.8000E+07	2.7727E-029438	3	16	125
7.0000E+07	2.7171E-02	7.2000E+07	2.6619E-02	7.4000E+07	2.6268E-029438	3	16	126
7.6000E+07	2.5921E-02	7.8000E+07	2.5576E-02	8.0000E+07	2.5033E-029438	3	16	127
8.5000E+07	2.3835E-02	9.0000E+07	2.2948E-02	9.5000E+07	2.2070E-029438	3	16	128
1.0000E+08	2.1300E-02				9438	3	16	129
					9438	3	0	130
9.4238E+04	2.3800E+02	0	0	0	09438	3	17	131
-1.2857E+07	-1.2857E+07	0	0	1	529438	3	17	132
52	2				9438	3	17	133
1.2911E+07	0.0000E+00	1.4000E+07	2.2800E-03	1.5000E+07	1.0600E-029438	3	17	134
1.6000E+07	1.8500E-02	1.7000E+07	2.3800E-02	1.8000E+07	2.7400E-029438	3	17	135
1.9000E+07	3.0500E-02	2.0000E+07	3.2800E-02	2.1000E+07	3.4000E-029438	3	17	136
2.2000E+07	3.3100E-02	2.3000E+07	3.0400E-02	2.4000E+07	2.7300E-029438	3	17	137
2.5000E+07	2.3800E-02	2.6000E+07	2.1000E-02	2.7000E+07	1.8600E-029438	3	17	138
2.8000E+07	1.6600E-02	2.9000E+07	1.5000E-02	3.0000E+07	1.3800E-029438	3	17	139
3.1000E+07	1.2700E-02	3.2000E+07	1.1700E-02	3.3000E+07	1.1000E-029438	3	17	140
3.4000E+07	9.9700E-03	3.5000E+07	9.3900E-03	3.6000E+07	8.9300E-039438	3	17	141
3.7000E+07	8.4300E-03	3.8000E+07	8.0800E-03	3.9000E+07	7.7900E-039438	3	17	142
4.0000E+07	7.5100E-03	4.2000E+07	6.6200E-03	4.4000E+07	6.3000E-039438	3	17	143
4.6000E+07	6.0000E-03	4.8000E+07	5.8200E-03	5.0000E+07	5.6100E-039438	3	17	144
5.2000E+07	5.4800E-03	5.4000E+07	5.3600E-03	5.6000E+07	5.2000E-039438	3	17	145
5.8000E+07	5.1300E-03	6.0000E+07	5.0600E-03	6.2000E+07	4.9700E-039438	3	17	146
6.4000E+07	4.8700E-03	6.6000E+07	4.8000E-03	6.8000E+07	4.7300E-039438	3	17	147
7.0000E+07	4.6500E-03	7.2000E+07	4.5300E-03	7.4000E+07	4.4900E-039438	3	17	148
7.6000E+07	4.4200E-03	7.8000E+07	4.3700E-03	8.0000E+07	4.3300E-039438	3	17	149
8.5000E+07	4.1900E-03	9.0000E+07	4.0600E-03	9.5000E+07	3.9300E-039438	3	17	150
1.0000E+08	3.8400E-03				9438	3	17	151
					9438	3	0	152
9.4238E+04	2.3800E+02	0	0	0	09438	3	18	153
2.0005E+08	2.0005E+08	0	0	1	1299438	3	18	154
129	2				9438	3	18	155
1.5000E+05	0.0000E+00	1.5000E+05	5.6500E-01	1.6000E+05	5.7000E-019438	3	18	156
1.8000E+05	5.9000E-01	2.0000E+05	6.3000E-01	2.2000E+05	6.6000E-019438	3	18	157
2.4000E+05	6.9500E-01	2.6000E+05	7.3500E-01	2.8000E+05	7.7500E-019438	3	18	158
3.0000E+05	8.2000E-01	3.0489E+05	8.3100E-01	3.2000E+05	8.6500E-019438	3	18	159
3.4000E+05	9.1000E-01	3.6000E+05	9.5500E-01	3.8000E+05	1.0050E+009438	3	18	160
4.0000E+05	1.0550E+00	4.2000E+05	1.1000E+00	4.4000E+05	1.1600E+009438	3	18	161
4.6000E+05	1.2200E+00	4.8000E+05	1.2700E+00	5.0000E+05	1.3250E+009438	3	18	162
5.1517E+05	1.3660E+00	5.5000E+05	1.4600E+00	6.0000E+05	1.5900E+009438	3	18	163
6.0774E+05	1.6040E+00	6.5000E+05	1.6800E+00	6.6423E+05	1.7000E+009438	3	18	164
7.0000E+05	1.7500E+00	7.5000E+05	1.8200E+00	8.0000E+05	1.8800E+009438	3	18	165
8.5000E+05	1.9300E+00	9.0000E+05	1.9750E+00	9.4549E+05	2.0020E+009438	3	18	166
9.5000E+05	2.0050E+00	9.6685E+05	2.0130E+00	9.7220E+05	2.0160E+009438	3	18	167
9.8727E+05	2.0240E+00	9.8964E+05	2.0250E+00	1.0000E+06	2.0300E+009438	3	18	168
1.0329E+06	2.0430E+00	1.0745E+06	2.0600E+00	1.0745E+06	2.0600E+009438	3	18	169
1.1000E+06	2.0700E+00	1.2000E+06	2.0970E+00	1.4000E+06	2.1470E+009438	3	18	170
1.6000E+06	2.1950E+00	1.8000E+06	2.2250E+00	2.0000E+06	2.2390E+009438	3	18	171
2.2000E+06	2.2400E+00	2.4000E+06	2.2420E+00	2.6000E+06	2.2410E+009438	3	18	172
2.8000E+06	2.2400E+00	3.0000E+06	2.2390E+00	3.2000E+06	2.2300E+009438	3	18	173
3.4000E+06	2.2230E+00	3.6000E+06	2.2180E+00	3.8000E+06	2.2050E+009438	3	18	174
4.0000E+06	2.1920E+00	4.5000E+06	2.1520E+00	5.0000E+06	2.1110E+009438	3	18	175
5.5000E+06	2.1030E+00	6.0000E+06	2.3300E+00	6.5000E+06	2.5500E+009438	3	18	176
7.0000E+06	2.6510E+00	7.5000E+06	2.7110E+00	8.0000E+06	2.7500E+009438	3	18	177
8.5000E+06	2.7600E+00	9.0000E+06	2.7380E+00	9.5000E+06	2.7540E+009438	3	18	178
1.0000E+07	2.7460E+00	1.0500E+07	2.7580E+00	1.1000E+07	2.7290E+009438	3	18	179
1.1500E+07	2.7170E+00	1.2000E+07	2.7030E+00	1.2500E+07	2.6900E+009438	3	18	180
1.3000E+07	2.6760E+00	1.3500E+07	2.6640E+00	1.4000E+07	2.6510E+009438	3	18	181
1.4500E+07	2.6410E+00	1.5000E+07	2.6250E+00	1.6000E+07	2.5980E+009438	3	18	182

1.7000E+07	2.5720E+00	1.8000E+07	2.5340E+00	1.9000E+07	2.4940E+00	9438	3	18	183
2.0000E+07	2.4440E+00	2.1000E+07	2.4217E+00	2.2000E+07	2.4073E+00	9438	3	18	184
2.3000E+07	2.3894E+00	2.4000E+07	2.3771E+00	2.5000E+07	2.3700E+00	9438	3	18	185
2.6000E+07	2.3683E+00	2.7000E+07	2.3605E+00	2.8000E+07	2.3487E+00	9438	3	18	186
2.9000E+07	2.3347E+00	3.0000E+07	2.3203E+00	3.1000E+07	2.3102E+00	9438	3	18	187
3.2000E+07	2.2990E+00	3.3000E+07	2.2889E+00	3.4000E+07	2.2794E+00	9438	3	18	188
3.5000E+07	2.2689E+00	3.6000E+07	2.2578E+00	3.7000E+07	2.2483E+00	9438	3	18	189
3.8000E+07	2.2368E+00	3.9000E+07	2.2269E+00	4.0000E+07	2.2181E+00	9438	3	18	190
4.2000E+07	2.2089E+00	4.4000E+07	2.1908E+00	4.6000E+07	2.1716E+00	9438	3	18	191
4.8000E+07	2.1542E+00	5.0000E+07	2.1373E+00	5.2000E+07	2.1211E+00	9438	3	18	192
5.4000E+07	2.1057E+00	5.6000E+07	2.0907E+00	5.8000E+07	2.0743E+00	9438	3	18	193
6.0000E+07	2.0662E+00	6.2000E+07	2.0524E+00	6.4000E+07	2.0380E+00	9438	3	18	194
6.6000E+07	2.0242E+00	6.8000E+07	2.0105E+00	7.0000E+07	1.9975E+00	9438	3	18	195
7.2000E+07	1.9845E+00	7.4000E+07	1.9711E+00	7.6000E+07	1.9586E+00	9438	3	18	196
7.8000E+07	1.9467E+00	8.0000E+07	1.9346E+00	8.5000E+07	1.9046E+00	9438	3	18	197
9.0000E+07	1.8765E+00	9.5000E+07	1.8495E+00	1.0000E+08	1.8235E+00	9438	3	18	198
						9438	3	0	199
9.4238E+04	2.3800E+02	0	0	0	0	9438	3	37	200
-2.0214E+07	-2.0214E+07	0	0	1	1	459438	3	37	201
	45	2				9438	3	37	202
2.0299E+07	0.0000E+00	2.1000E+07	4.2100E-07	2.2000E+07	2.4900E-05	9438	3	37	203
2.3000E+07	1.5200E-04	2.4000E+07	3.8300E-04	2.5000E+07	6.9000E-04	9438	3	37	204
2.6000E+07	9.8800E-04	2.7000E+07	1.2600E-03	2.8000E+07	1.4800E-03	9438	3	37	205
2.9000E+07	1.6600E-03	3.0000E+07	1.7700E-03	3.1000E+07	1.8000E-03	9438	3	37	206
3.2000E+07	1.7400E-03	3.3000E+07	1.6400E-03	3.4000E+07	1.5100E-03	9438	3	37	207
3.5000E+07	1.3800E-03	3.6000E+07	1.2500E-03	3.7000E+07	1.1400E-03	9438	3	37	208
3.8000E+07	1.0300E-03	3.9000E+07	9.4200E-04	4.0000E+07	8.6000E-04	9438	3	37	209
4.2000E+07	7.2100E-04	4.4000E+07	6.3300E-04	4.6000E+07	5.6000E-04	9438	3	37	210
4.8000E+07	5.0600E-04	5.0000E+07	4.6200E-04	5.2000E+07	4.2800E-04	9438	3	37	211
5.4000E+07	4.0000E-04	5.6000E+07	3.7500E-04	5.8000E+07	3.6000E-04	9438	3	37	212
6.0000E+07	3.4600E-04	6.2000E+07	3.3300E-04	6.4000E+07	3.2200E-04	9438	3	37	213
6.6000E+07	3.1200E-04	6.8000E+07	3.0400E-04	7.0000E+07	2.8600E-04	9438	3	37	214
7.2000E+07	2.7900E-04	7.4000E+07	2.7300E-04	7.6000E+07	2.6800E-04	9438	3	37	215
7.8000E+07	2.6000E-04	8.0000E+07	2.5500E-04	8.5000E+07	2.4600E-04	9438	3	37	216
9.0000E+07	2.3700E-04	9.5000E+07	2.2900E-04	1.0000E+08	2.2100E-04	9438	3	37	217
						9438	3	0	218
9.4238E+04	2.3800E+02	0	0	0	0	9438	3103		219
-5.0933E+05	-5.0933E+05	0	0	1	1	589438	3103		220
	58	2				9438	3103		221
5.1147E+05	0.0000E+00	8.0000E+06	4.8200E-05	9.0000E+06	1.9700E-04	9438	3103		222
1.0000E+07	5.1700E-04	1.1000E+07	1.1800E-03	1.2000E+07	2.4300E-03	9438	3103		223
1.3000E+07	4.3100E-03	1.4000E+07	6.2000E-03	1.5000E+07	9.6600E-03	9438	3103		224
1.6000E+07	1.3800E-02	1.7000E+07	1.8200E-02	1.8000E+07	2.0800E-02	9438	3103		225
1.9000E+07	2.4900E-02	2.0000E+07	2.7600E-02	2.1000E+07	3.0300E-02	9438	3103		226
2.2000E+07	3.1000E-02	2.3000E+07	3.2900E-02	2.4000E+07	3.4700E-02	9438	3103		227
2.5000E+07	3.6200E-02	2.6000E+07	3.6700E-02	2.7000E+07	3.7300E-02	9438	3103		228
2.8000E+07	3.7500E-02	2.9000E+07	3.7600E-02	3.0000E+07	3.7700E-02	9438	3103		229
3.1000E+07	3.7600E-02	3.2000E+07	3.7900E-02	3.3000E+07	3.8000E-02	9438	3103		230
3.4000E+07	3.7900E-02	3.5000E+07	3.7600E-02	3.6000E+07	3.7200E-02	9438	3103		231
3.7000E+07	3.6700E-02	3.8000E+07	3.6400E-02	3.9000E+07	3.6000E-02	9438	3103		232
4.0000E+07	3.5800E-02	4.2000E+07	3.4600E-02	4.4000E+07	3.3600E-02	9438	3103		233
4.6000E+07	3.2800E-02	4.8000E+07	3.2000E-02	5.0000E+07	3.1100E-02	9438	3103		234
5.2000E+07	3.0300E-02	5.4000E+07	2.9500E-02	5.6000E+07	2.8600E-02	9438	3103		235
5.8000E+07	3.0200E-02	6.0000E+07	2.9400E-02	6.2000E+07	2.8600E-02	9438	3103		236
6.4000E+07	2.7900E-02	6.6000E+07	2.7200E-02	6.8000E+07	2.6500E-02	9438	3103		237
7.0000E+07	2.5800E-02	7.2000E+07	2.5100E-02	7.4000E+07	2.4500E-02	9438	3103		238
7.6000E+07	2.3800E-02	7.8000E+07	2.3200E-02	8.0000E+07	2.2700E-02	9438	3103		239
8.5000E+07	2.1300E-02	9.0000E+07	2.0100E-02	9.5000E+07	1.9000E-02	9438	3103		240
1.0000E+08	1.8000E-02					9438	3103		241
						9438	3	0	242
9.4238E+04	2.3800E+02	0	0	0	0	9438	3111		243
-5.7346E+06	-5.7346E+06	0	0	1	1	459438	3111		244
	45	2				9438	3111		245
5.7587E+06	0.0000E+00	2.1000E+07	4.2600E-06	2.2000E+07	1.3700E-05	9438	3111		246
2.3000E+07	3.6500E-05	2.4000E+07	7.9900E-05	2.5000E+07	1.5000E-04	9438	3111		247
2.6000E+07	2.2600E-04	2.7000E+07	3.4900E-04	2.8000E+07	4.9700E-04	9438	3111		248
2.9000E+07	6.7100E-04	3.0000E+07	8.6900E-04	3.1000E+07	1.0200E-03	9438	3111		249

3.2000E+07	1.2700E-03	3.3000E+07	1.5300E-03	3.4000E+07	1.8100E-039438	3111	250
3.5000E+07	2.0800E-03	3.6000E+07	2.3700E-03	3.7000E+07	2.5900E-039438	3111	251
3.8000E+07	2.9000E-03	3.9000E+07	3.2300E-03	4.0000E+07	3.5500E-039438	3111	252
4.2000E+07	3.9600E-03	4.4000E+07	4.2600E-03	4.6000E+07	4.5700E-039438	3111	253
4.8000E+07	4.8100E-03	5.0000E+07	4.9400E-03	5.2000E+07	5.0900E-039438	3111	254
5.4000E+07	5.2000E-03	5.6000E+07	5.2700E-03	5.8000E+07	5.3100E-039438	3111	255
6.0000E+07	5.4100E-03	6.2000E+07	5.5000E-03	6.4000E+07	5.4600E-039438	3111	256
6.6000E+07	5.5100E-03	6.8000E+07	5.5600E-03	7.0000E+07	5.5900E-039438	3111	257
7.2000E+07	5.6300E-03	7.4000E+07	5.6300E-03	7.6000E+07	5.6000E-039438	3111	258
7.8000E+07	5.6300E-03	8.0000E+07	5.6400E-03	8.5000E+07	5.7100E-039438	3111	259
9.0000E+07	5.7000E-03	9.5000E+07	5.6800E-03	1.0000E+08	5.6800E-039438	3111	260
					9438	3	0
9.4238E+04	2.3800E+02	0	0	0	09438	3121	262
-2.6468E+07	-2.6468E+07	0	0	1	399438	3121	263
	39	2			9438	3121	264
2.6579E+07	0.0000E+00	2.7000E+07	1.8300E-11	2.8000E+07	3.4200E-089438	3121	265
2.9000E+07	7.0300E-07	3.0000E+07	3.8500E-06	3.1000E+07	1.1300E-059438	3121	266
3.2000E+07	2.2700E-05	3.3000E+07	3.4300E-05	3.4000E+07	4.7400E-059438	3121	267
3.5000E+07	6.0500E-05	3.6000E+07	7.1000E-05	3.7000E+07	7.9700E-059438	3121	268
3.8000E+07	8.5100E-05	3.9000E+07	8.7100E-05	4.0000E+07	8.5700E-059438	3121	269
4.2000E+07	7.4600E-05	4.4000E+07	6.4200E-05	4.6000E+07	5.4200E-059438	3121	270
4.8000E+07	4.6300E-05	5.0000E+07	4.0200E-05	5.2000E+07	3.6300E-059438	3121	271
5.4000E+07	3.2600E-05	5.6000E+07	2.9800E-05	5.8000E+07	2.7100E-059438	3121	272
6.0000E+07	2.5200E-05	6.2000E+07	2.3500E-05	6.4000E+07	2.2100E-059438	3121	273
6.6000E+07	2.0800E-05	6.8000E+07	1.9800E-05	7.0000E+07	1.9200E-059438	3121	274
7.2000E+07	1.8400E-05	7.4000E+07	1.7700E-05	7.6000E+07	1.7200E-059438	3121	275
7.8000E+07	1.6500E-05	8.0000E+07	1.6200E-05	8.5000E+07	1.5200E-059438	3121	276
9.0000E+07	1.4500E-05	9.5000E+07	1.3900E-05	1.0000E+08	1.3400E-059438	3121	277
					9438	3	0
9.4238E+04	2.3800E+02	0	0	0	09438	3122	279
-3.4240E+07	-3.4240E+07	0	0	1	319438	3122	280
	31	2			9438	3122	281
3.4384E+07	0.0000E+00	3.5000E+07	1.2400E-13	3.6000E+07	4.1500E-119438	3122	282
3.7000E+07	1.2800E-09	3.8000E+07	1.2700E-08	3.9000E+07	5.2700E-089438	3122	283
4.0000E+07	1.5500E-07	4.2000E+07	5.3200E-07	4.4000E+07	1.0500E-069438	3122	284
4.6000E+07	1.5600E-06	4.8000E+07	1.8800E-06	5.0000E+07	1.9800E-069438	3122	285
5.2000E+07	1.9100E-06	5.4000E+07	1.7600E-06	5.6000E+07	1.5700E-069438	3122	286
5.8000E+07	1.3700E-06	6.0000E+07	1.2400E-06	6.2000E+07	1.1100E-069438	3122	287
6.4000E+07	1.0000E-06	6.6000E+07	9.0700E-07	6.8000E+07	7.9200E-079438	3122	288
7.0000E+07	7.4200E-07	7.2000E+07	6.9900E-07	7.4000E+07	6.6200E-079438	3122	289
7.6000E+07	6.1800E-07	7.8000E+07	5.8900E-07	8.0000E+07	5.6600E-079438	3122	290
8.5000E+07	5.1400E-07	9.0000E+07	4.7100E-07	9.5000E+07	4.3500E-079438	3122	291
1.0000E+08	4.0100E-07				9438	3122	292
					9438	3	0
9.4238E+04	2.3800E+02	0	0	0	09438	3123	294
-4.0631E+07	-4.0631E+07	0	0	1	249438	3123	295
	24	2			9438	3123	296
4.0802E+07	0.0000E+00	4.4000E+07	5.3600E-12	4.6000E+07	2.4900E-109438	3123	297
4.8000E+07	1.6100E-09	5.0000E+07	5.1800E-09	5.2000E+07	1.0200E-089438	3123	298
5.4000E+07	1.5200E-08	5.6000E+07	1.8800E-08	5.8000E+07	2.0700E-089438	3123	299
6.0000E+07	2.1300E-08	6.2000E+07	2.0600E-08	6.4000E+07	1.9100E-089438	3123	300
6.6000E+07	1.7600E-08	6.8000E+07	1.5900E-08	7.0000E+07	1.4300E-089438	3123	301
7.2000E+07	1.2900E-08	7.4000E+07	1.1800E-08	7.6000E+07	1.0900E-089438	3123	302
7.8000E+07	1.0100E-08	8.0000E+07	9.2700E-09	8.5000E+07	8.2700E-099438	3123	303
9.0000E+07	7.6500E-09	9.5000E+07	6.8100E-09	1.0000E+08	6.3000E-099438	3123	304
					9438	3	0
9.4238E+04	2.3800E+02	0	0	0	09438	3124	306
-4.8657E+07	-4.8657E+07	0	0	1	209438	3124	307
	20	2			9438	3124	308
4.8861E+07	0.0000E+00	5.2000E+07	8.3000E-16	5.4000E+07	9.1500E-149438	3124	309
5.6000E+07	1.2300E-12	5.8000E+07	7.1400E-12	6.0000E+07	1.8600E-119438	3124	310
6.2000E+07	3.6700E-11	6.4000E+07	6.0200E-11	6.6000E+07	7.9500E-119438	3124	311
6.8000E+07	9.4200E-11	7.0000E+07	1.0100E-10	7.2000E+07	1.0300E-109438	3124	312
7.4000E+07	1.0100E-10	7.6000E+07	9.6100E-11	7.8000E+07	9.0100E-119438	3124	313
8.0000E+07	8.3800E-11	8.5000E+07	6.9800E-11	9.0000E+07	5.8800E-119438	3124	314
9.5000E+07	5.0400E-11	1.0000E+08	4.4700E-11		9438	3124	315
					9438	3	0
							316

9.4238E+04	2.3800E+02	0	0	0	09438	3125	317
-5.5379E+07	-5.5379E+07	0	0	1	179438	3125	318
17	2				9438	3125	319
5.5611E+07	0.0000E+00	5.8000E+07	1.5000E-21	6.0000E+07	2.2600E-18	9438	3125
6.2000E+07	1.0000E-16	6.4000E+07	1.4700E-15	6.6000E+07	7.6200E-15	9438	3125
6.8000E+07	2.5900E-14	7.0000E+07	5.7700E-14	7.2000E+07	9.8700E-14	9438	3125
7.4000E+07	1.4200E-13	7.6000E+07	1.7600E-13	7.8000E+07	2.0000E-13	9438	3125
8.0000E+07	2.1200E-13	8.5000E+07	2.0800E-13	9.0000E+07	1.8700E-13	9438	3125
9.5000E+07	1.6200E-13	1.0000E+08	1.3900E-13			9438	3125
						9438	3 0
9.4238E+04	2.3800E+02	0	0	0	09438	3126	327
-6.3691E+07	-6.3691E+07	0	0	1	139438	3126	328
13	2				9438	3126	329
6.3959E+07	0.0000E+00	6.6000E+07	2.6200E-27	6.8000E+07	1.6600E-23	9438	3126
7.0000E+07	3.6800E-21	7.2000E+07	9.1500E-20	7.4000E+07	9.1600E-20	9438	3126
7.6000E+07	4.5000E-18	7.8000E+07	1.5500E-17	8.0000E+07	3.4200E-17	9438	3126
8.5000E+07	1.1200E-16	9.0000E+07	1.7200E-16	9.5000E+07	1.8600E-16	9438	3126
1.0000E+08	1.7800E-16					9438	3126
						9438	3 0
9.4238E+04	2.3800E+02	0	0	0	09438	3153	336
-3.7731E+06	-3.7731E+06	0	0	1	539438	3153	337
53	2				9438	3153	338
3.7889E+06	0.0000E+00	1.3000E+07	6.7900E-04	1.4000E+07	1.2200E-03	9438	3153
1.5000E+07	2.1700E-03	1.6000E+07	3.4100E-03	1.7000E+07	5.0200E-03	9438	3153
1.8000E+07	6.1400E-03	1.9000E+07	8.6800E-03	2.0000E+07	1.1740E-02	9438	3153
2.1000E+07	1.4800E-02	2.2000E+07	1.7200E-02	2.3000E+07	2.1800E-02	9438	3153
2.4000E+07	2.6600E-02	2.5000E+07	3.1300E-02	2.6000E+07	3.4500E-02	9438	3153
2.7000E+07	3.9200E-02	2.8000E+07	4.3300E-02	2.9000E+07	4.6900E-02	9438	3153
3.0000E+07	5.0100E-02	3.1000E+07	5.1500E-02	3.2000E+07	5.4100E-02	9438	3153
3.3000E+07	5.6300E-02	3.4000E+07	5.8000E-02	3.5000E+07	5.8900E-02	9438	3153
3.6000E+07	5.8900E-02	3.7000E+07	5.7600E-02	3.8000E+07	5.7000E-02	9438	3153
3.9000E+07	5.6800E-02	4.0000E+07	5.6800E-02	4.2000E+07	5.2700E-02	9438	3153
4.4000E+07	5.2200E-02	4.6000E+07	5.1700E-02	4.8000E+07	5.1500E-02	9438	3153
5.0000E+07	5.1100E-02	5.2000E+07	5.0900E-02	5.4000E+07	5.0600E-02	9438	3153
5.6000E+07	5.0800E-02	5.8000E+07	5.0700E-02	6.0000E+07	5.0600E-02	9438	3153
6.2000E+07	5.0400E-02	6.4000E+07	5.0100E-02	6.6000E+07	5.0000E-02	9438	3153
6.8000E+07	4.9500E-02	7.0000E+07	4.9200E-02	7.2000E+07	4.9000E-02	9438	3153
7.4000E+07	4.8300E-02	7.6000E+07	4.8000E-02	7.8000E+07	4.7700E-02	9438	3153
8.0000E+07	4.7400E-02	8.5000E+07	4.7000E-02	9.0000E+07	4.6200E-02	9438	3153
9.5000E+07	4.5400E-02	1.0000E+08	4.4700E-02			9438	3153
						9438	3 0
9.4238E+04	2.3800E+02	0	0	0	09438	3154	358
-1.0401E+07	-1.0401E+07	0	0	1	479438	3154	359
47	2				9438	3154	360
1.0445E+07	0.0000E+00	1.9000E+07	9.2800E-10	2.0000E+07	1.2755E-06	9438	3154
2.1000E+07	2.5500E-06	2.2000E+07	1.3300E-05	2.3000E+07	4.8100E-05	9438	3154
2.4000E+07	1.3900E-04	2.5000E+07	3.3600E-04	2.6000E+07	6.8200E-04	9438	3154
2.7000E+07	1.2500E-03	2.8000E+07	2.0100E-03	2.9000E+07	2.9700E-03	9438	3154
3.0000E+07	4.1800E-03	3.1000E+07	5.6200E-03	3.2000E+07	7.1400E-03	9438	3154
3.3000E+07	8.7300E-03	3.4000E+07	1.0300E-02	3.5000E+07	1.1800E-02	9438	3154
3.6000E+07	1.3600E-02	3.7000E+07	1.5200E-02	3.8000E+07	1.7000E-02	9438	3154
3.9000E+07	1.8400E-02	4.0000E+07	1.9600E-02	4.2000E+07	2.2300E-02	9438	3154
4.4000E+07	2.3200E-02	4.6000E+07	2.4000E-02	4.8000E+07	2.4400E-02	9438	3154
5.0000E+07	2.3900E-02	5.2000E+07	2.3000E-02	5.4000E+07	2.2100E-02	9438	3154
5.6000E+07	2.1200E-02	5.8000E+07	2.0600E-02	6.0000E+07	2.0100E-02	9438	3154
6.2000E+07	1.9600E-02	6.4000E+07	1.9200E-02	6.6000E+07	1.9000E-02	9438	3154
6.8000E+07	1.8800E-02	7.0000E+07	1.8600E-02	7.2000E+07	1.8400E-02	9438	3154
7.4000E+07	1.8300E-02	7.6000E+07	1.8100E-02	7.8000E+07	1.7900E-02	9438	3154
8.0000E+07	1.7700E-02	8.5000E+07	1.7400E-02	9.0000E+07	1.7000E-02	9438	3154
9.5000E+07	1.6700E-02	1.0000E+08	1.6300E-02			9438	3154
						9438	3 0
9.4238E+04	2.3800E+02	0	0	0	09438	3155	378
-1.6087E+07	-1.6087E+07	0	0	1	429438	3155	379
42	2				9438	3155	380
1.6154E+07	0.0000E+00	2.4000E+07	2.2700E-10	2.5000E+07	1.5600E-09	9438	3155
2.6000E+07	4.9400E-08	2.7000E+07	7.3700E-07	2.8000E+07	4.0900E-06	9438	3155
2.9000E+07	1.5800E-05	3.0000E+07	4.7000E-05	3.1000E+07	1.1800E-04	9438	3155

3.2000E+07	2.3800E-04	3.3000E+07	4.2600E-04	3.4000E+07	6.7300E-04	9438	3155	384
3.5000E+07	1.0100E-03	3.6000E+07	1.4000E-03	3.7000E+07	1.8300E-03	09438	3155	385
3.8000E+07	2.3400E-03	3.9000E+07	2.8400E-03	4.0000E+07	3.4200E-03	09438	3155	386
4.2000E+07	4.5000E-03	4.4000E+07	5.5400E-03	4.6000E+07	6.2100E-03	09438	3155	387
4.8000E+07	7.1100E-03	5.0000E+07	8.0400E-03	5.2000E+07	8.8500E-03	09438	3155	388
5.4000E+07	9.4500E-03	5.6000E+07	9.8300E-03	5.8000E+07	1.0100E-02	09438	3155	389
6.0000E+07	1.0200E-02	6.2000E+07	1.0300E-02	6.4000E+07	1.0200E-02	09438	3155	390
6.6000E+07	1.0100E-02	6.8000E+07	9.7400E-03	7.0000E+07	9.4000E-03	09438	3155	391
7.2000E+07	8.9500E-03	7.4000E+07	8.7300E-03	7.6000E+07	8.4600E-03	09438	3155	392
7.8000E+07	8.2400E-03	8.0000E+07	8.0600E-03	8.5000E+07	7.5400E-03	09438	3155	393
9.0000E+07	7.3700E-03	9.5000E+07	7.2000E-03	1.0000E+08	7.0100E-03	09438	3155	394
						9438	3	0
9.4238E+04	2.3800E+02	0	0	0	0	09438	3156	396
-2.3070E+07	-2.3070E+07	0	0	1	1	369438	3156	397
	36	2				9438	3156	398
2.3167E+07	0.0000E+00	3.0000E+07	9.7000E-15	3.1000E+07	8.0000E-12	9438	3156	399
3.2000E+07	1.3200E-10	3.3000E+07	1.1300E-09	3.4000E+07	1.3500E-08	9438	3156	400
3.5000E+07	1.1100E-07	3.6000E+07	5.5400E-07	3.7000E+07	2.0800E-06	9438	3156	401
3.8000E+07	6.5300E-06	3.9000E+07	1.6200E-05	4.0000E+07	3.4700E-05	9438	3156	402
4.2000E+07	1.1300E-04	4.4000E+07	2.5300E-04	4.6000E+07	4.5500E-04	9438	3156	403
4.8000E+07	6.8400E-04	5.0000E+07	8.7900E-04	5.2000E+07	1.0600E-03	9438	3156	404
5.4000E+07	1.2200E-03	5.6000E+07	1.3600E-03	5.8000E+07	1.5100E-03	9438	3156	405
6.0000E+07	1.6300E-03	6.2000E+07	1.7400E-03	6.4000E+07	1.8500E-03	9438	3156	406
6.6000E+07	1.9500E-03	6.8000E+07	2.0700E-03	7.0000E+07	2.1700E-03	9438	3156	407
7.2000E+07	2.2500E-03	7.4000E+07	2.3200E-03	7.6000E+07	2.3500E-03	9438	3156	408
7.8000E+07	2.3500E-03	8.0000E+07	2.3200E-03	8.5000E+07	2.1400E-03	9438	3156	409
9.0000E+07	1.9900E-03	9.5000E+07	1.8500E-03	1.0000E+08	1.7500E-03	9438	3156	410
						9438	3	0
9.4238E+04	2.3800E+02	0	0	0	0	09438	3157	412
-2.9201E+07	-2.9201E+07	0	0	1	1	299438	3157	413
	29	2				9438	3157	414
2.9323E+07	0.0000E+00	3.7000E+07	5.4200E-14	3.8000E+07	3.0600E-12	9438	3157	415
3.9000E+07	3.6200E-11	4.0000E+07	3.0400E-10	4.2000E+07	2.1600E-08	9438	3157	416
4.4000E+07	3.2500E-07	4.6000E+07	2.4300E-06	4.8000E+07	9.4000E-06	9438	3157	417
5.0000E+07	2.5900E-05	5.2000E+07	5.2600E-05	5.4000E+07	8.7200E-05	9438	3157	418
5.6000E+07	1.2700E-04	5.8000E+07	1.6000E-04	6.0000E+07	2.0000E-04	9438	3157	419
6.2000E+07	2.3100E-04	6.4000E+07	2.6000E-04	6.6000E+07	2.8600E-04	9438	3157	420
6.8000E+07	3.1000E-04	7.0000E+07	3.3100E-04	7.2000E+07	3.5200E-04	9438	3157	421
7.4000E+07	3.6900E-04	7.6000E+07	3.8600E-04	7.8000E+07	4.0000E-04	9438	3157	422
8.0000E+07	4.1700E-04	8.5000E+07	4.6000E-04	9.0000E+07	4.7900E-04	9438	3157	423
9.5000E+07	4.8700E-04	1.0000E+08	4.7100E-04			9438	3157	424
						9438	3	0
9.4238E+04	2.3800E+02	0	0	0	0	09438	3158	426
-3.6552E+07	-3.6552E+07	0	0	1	1	249438	3158	427
	24	2				9438	3158	428
3.6706E+07	0.0000E+00	4.4000E+07	9.9600E-16	4.6000E+07	1.4500E-12	9438	3158	429
4.8000E+07	6.4500E-11	5.0000E+07	1.8300E-09	5.2000E+07	2.4800E-08	9438	3158	430
5.4000E+07	1.6400E-07	5.6000E+07	7.3600E-07	5.8000E+07	1.7700E-06	9438	3158	431
6.0000E+07	4.6500E-06	6.2000E+07	9.1600E-06	6.4000E+07	1.5300E-05	9438	3158	432
6.6000E+07	2.2100E-05	6.8000E+07	2.9400E-05	7.0000E+07	3.5200E-05	9438	3158	433
7.2000E+07	4.0400E-05	7.4000E+07	4.4200E-05	7.6000E+07	4.7900E-05	9438	3158	434
7.8000E+07	5.1300E-05	8.0000E+07	5.4700E-05	8.5000E+07	6.2400E-05	9438	3158	435
9.0000E+07	6.8100E-05	9.5000E+07	7.3100E-05	1.0000E+08	7.8100E-05	9438	3158	436
						9438	3	0
9.4238E+04	2.3800E+02	0	0	0	0	09438	3159	438
-4.2960E+07	-4.2960E+07	0	0	1	1	209438	3159	439
	20	2				9438	3159	440
4.3140E+07	0.0000E+00	5.2000E+07	1.4200E-15	5.4000E+07	1.4000E-12	9438	3159	441
5.6000E+07	3.9700E-12	5.8000E+07	4.2300E-11	6.0000E+07	4.2400E-10	9438	3159	442
6.2000E+07	2.8400E-09	6.4000E+07	1.2900E-08	6.6000E+07	4.3000E-08	9438	3159	443
6.8000E+07	1.0900E-07	7.0000E+07	2.0900E-07	7.2000E+07	3.5400E-07	9438	3159	444
7.4000E+07	5.0000E-07	7.6000E+07	6.6900E-07	7.8000E+07	7.9500E-07	9438	3159	445
8.0000E+07	9.2100E-07	8.5000E+07	1.1500E-06	9.0000E+07	1.3200E-06	9438	3159	446
9.5000E+07	1.4900E-06	1.0000E+08	1.6500E-06			9438	3159	447
						9438	3	0
9.4238E+04	2.3800E+02	0	0	0	0	09438	3160	449
-5.0935E+07	-5.0935E+07	0	0	1	1	169438	3160	450

	16		2				9438	3160	451
5.1149E+07	0.0000E+00	6.0000E+07	6.7500E-19	6.2000E+07	1.4700E-16	9438	3160	452	
6.4000E+07	6.8200E-15	6.6000E+07	1.0600E-13	6.8000E+07	1.0900E-12	9438	3160	453	
7.0000E+07	7.3800E-12	7.2000E+07	3.9400E-11	7.4000E+07	1.2900E-10	9438	3160	454	
7.6000E+07	3.7400E-10	7.8000E+07	8.2500E-10	8.0000E+07	1.6100E-09	9438	3160	455	
8.5000E+07	4.5800E-09	9.0000E+07	7.6700E-09	9.5000E+07	9.5800E-09	9438	3160	456	
1.0000E+08	1.0800E-08					9438	3160	457	
						9438	3	0	458
9.4238E+04	2.3800E+02	0	0	0		09438	3161	459	
-5.7436E+07	-5.7436E+07	0	0	1		119438	3161	460	
	11		2			9438	3161	461	
5.7677E+07	0.0000E+00	7.0000E+07	1.7300E-18	7.2000E+07	4.2400E-17	9438	3161	462	
7.4000E+07	4.7000E-16	7.6000E+07	3.9200E-15	7.8000E+07	2.4100E-14	9438	3161	463	
8.0000E+07	1.2300E-13	8.5000E+07	2.0000E-12	9.0000E+07	1.0300E-11	9438	3161	464	
9.5000E+07	2.4300E-11	1.0000E+08	3.7100E-11			9438	3161	465	
						9438	3	0	466
9.4238E+04	2.3800E+02	0	0	0		09438	3162	467	
-6.5521E+07	-6.5521E+07	0	0	1		99438	3162	468	
	9		2			9438	3162	469	
6.5796E+07	0.0000E+00	7.4000E+07	7.9900E-29	7.6000E+07	5.7400E-29	9438	3162	470	
7.8000E+07	1.0000E-22	8.0000E+07	4.4900E-21	8.5000E+07	2.5900E-20	9438	3162	471	
9.0000E+07	1.7800E-16	9.5000E+07	2.5000E-15	1.0000E+08	1.2600E-14	9438	3162	472	
						9438	3	0	473
9.4238E+04	2.3800E+02	0	0	0		09438	3174	474	
-8.6350E+06	-8.6350E+06	0	0	1		379438	3174	475	
	37		2			9438	3174	476	
8.6713E+06	0.0000E+00	2.9000E+07	1.3300E-10	3.0000E+07	9.3300E-10	9438	3174	477	
3.1000E+07	5.3800E-08	3.2000E+07	1.7800E-07	3.3000E+07	4.7700E-07	9438	3174	478	
3.4000E+07	1.0100E-06	3.5000E+07	2.1400E-06	3.6000E+07	4.3100E-06	9438	3174	479	
3.7000E+07	8.5100E-06	3.8000E+07	1.7100E-05	3.9000E+07	3.4100E-05	9438	3174	480	
4.0000E+07	6.6500E-05	4.2000E+07	2.3000E-04	4.4000E+07	4.8400E-04	9438	3174	481	
4.6000E+07	7.9300E-04	4.8000E+07	1.1700E-03	5.0000E+07	1.5700E-03	9438	3174	482	
5.2000E+07	1.9800E-03	5.4000E+07	2.3500E-03	5.6000E+07	2.6500E-03	9438	3174	483	
5.8000E+07	2.8700E-03	6.0000E+07	3.0400E-03	6.2000E+07	3.1200E-03	9438	3174	484	
6.4000E+07	3.3900E-03	6.6000E+07	3.4400E-03	6.8000E+07	3.4600E-03	9438	3174	485	
7.0000E+07	3.4700E-03	7.2000E+07	3.4700E-03	7.4000E+07	3.5000E-03	9438	3174	486	
7.6000E+07	3.4800E-03	7.8000E+07	3.4900E-03	8.0000E+07	3.5000E-03	9438	3174	487	
8.5000E+07	3.5300E-03	9.0000E+07	3.5500E-03	9.5000E+07	3.5400E-03	9438	3174	488	
1.0000E+08	3.5300E-03					9438	3174	489	
						9438	3	0	490
9.4238E+04	2.3800E+02	0	0	0		09438	3175	491	
1.0891E+07	1.0891E+07	0	0	1		619438	3175	492	
	61		2			9438	3175	493	
1.0000E-05	0.0000E+00	5.0000E+06	4.3500E-09	6.0000E+06	6.0700E-09	9438	3175	494	
7.0000E+06	3.2300E-07	8.0000E+06	1.2500E-06	9.0000E+06	4.2100E-06	9438	3175	495	
1.0000E+07	1.2500E-05	1.1000E+07	3.4800E-05	1.2000E+07	8.7200E-05	9438	3175	496	
1.3000E+07	1.9300E-04	1.4000E+07	3.7200E-04	1.5000E+07	6.3300E-04	9438	3175	497	
1.6000E+07	9.6500E-04	1.7000E+07	1.3300E-03	1.8000E+07	1.6800E-03	9438	3175	498	
1.9000E+07	1.9500E-03	2.0000E+07	2.0900E-03	2.1000E+07	2.2300E-03	9438	3175	499	
2.2000E+07	2.2600E-03	2.3000E+07	2.2100E-03	2.4000E+07	2.1600E-03	9438	3175	500	
2.5000E+07	2.0900E-03	2.6000E+07	2.0000E-03	2.7000E+07	1.9000E-03	9438	3175	501	
2.8000E+07	1.7800E-03	2.9000E+07	1.6700E-03	3.0000E+07	1.5500E-03	9438	3175	502	
3.1000E+07	1.4500E-03	3.2000E+07	1.3400E-03	3.3000E+07	1.2400E-03	9438	3175	503	
3.4000E+07	1.1600E-03	3.5000E+07	1.0700E-03	3.6000E+07	9.9300E-04	9438	3175	504	
3.7000E+07	9.1700E-04	3.8000E+07	8.4400E-04	3.9000E+07	7.7700E-04	9438	3175	505	
4.0000E+07	7.1300E-04	4.2000E+07	6.4600E-04	4.4000E+07	5.4000E-04	9438	3175	506	
4.6000E+07	4.6200E-04	4.8000E+07	3.9900E-04	5.0000E+07	3.5000E-04	9438	3175	507	
5.2000E+07	3.2200E-04	5.4000E+07	3.3500E-04	5.6000E+07	4.0900E-04	9438	3175	508	
5.8000E+07	5.2800E-04	6.0000E+07	7.0600E-04	6.2000E+07	9.2100E-04	9438	3175	509	
6.4000E+07	1.0900E-03	6.6000E+07	1.3300E-03	6.8000E+07	1.5700E-03	9438	3175	510	
7.0000E+07	1.7700E-03	7.2000E+07	1.9400E-03	7.4000E+07	2.0600E-03	9438	3175	511	
7.6000E+07	2.1300E-03	7.8000E+07	2.1500E-03	8.0000E+07	2.1800E-03	9438	3175	512	
8.5000E+07	2.1900E-03	9.0000E+07	2.1600E-03	9.5000E+07	2.0600E-03	9438	3175	513	
1.0000E+08	2.0200E-03					9438	3175	514	
						9438	3	0	515
9.4238E+04	2.3800E+02	0	0	0		09438	3176	516	
5.5933E+06	5.5933E+06	0	0	1		559438	3176	517	

	55		2				9438	3176	518
1.0000E-05	0.0000E+00	1.1000E+07	2.2300E-07	1.2000E+07	7.9500E-07	9438	3176	519	
1.3000E+07	2.4100E-06	1.4000E+07	7.5400E-06	1.5000E+07	2.2200E-05	9438	3176	520	
1.6000E+07	5.6300E-05	1.7000E+07	1.4100E-04	1.8000E+07	3.0000E-04	9438	3176	521	
1.9000E+07	5.5400E-04	2.0000E+07	9.0200E-04	2.1000E+07	1.2500E-03	9438	3176	522	
2.2000E+07	1.7000E-03	2.3000E+07	2.1800E-03	2.4000E+07	2.6200E-03	9438	3176	523	
2.5000E+07	2.9800E-03	2.6000E+07	3.2600E-03	2.7000E+07	3.4200E-03	9438	3176	524	
2.8000E+07	3.4800E-03	2.9000E+07	3.4600E-03	3.0000E+07	3.4000E-03	9438	3176	525	
3.1000E+07	3.3200E-03	3.2000E+07	3.1900E-03	3.3000E+07	3.0300E-03	9438	3176	526	
3.4000E+07	2.8500E-03	3.5000E+07	2.7000E-03	3.6000E+07	2.5300E-03	9438	3176	527	
3.7000E+07	2.3600E-03	3.8000E+07	2.1800E-03	3.9000E+07	2.0200E-03	9438	3176	528	
4.0000E+07	1.8700E-03	4.2000E+07	1.4600E-03	4.4000E+07	1.2500E-03	9438	3176	529	
4.6000E+07	1.0500E-03	4.8000E+07	8.7800E-04	5.0000E+07	7.3900E-04	9438	3176	530	
5.2000E+07	6.3300E-04	5.4000E+07	5.3500E-04	5.6000E+07	4.5500E-04	9438	3176	531	
5.8000E+07	3.8500E-04	6.0000E+07	3.2600E-04	6.2000E+07	2.8000E-04	9438	3176	532	
6.4000E+07	2.4500E-04	6.6000E+07	2.4200E-04	6.8000E+07	2.6400E-04	9438	3176	533	
7.0000E+07	3.1100E-04	7.2000E+07	3.9600E-04	7.4000E+07	5.0500E-04	9438	3176	534	
7.6000E+07	6.4800E-04	7.8000E+07	7.6200E-04	8.0000E+07	8.8000E-04	9438	3176	535	
8.5000E+07	1.1200E-03	9.0000E+07	1.2700E-03	9.5000E+07	1.3900E-03	9438	3176	536	
1.0000E+08	1.4000E-03					9438	3176	537	
						9438	3	0	538
9.4238E+04	2.3800E+02	0	0	0	0	09438	3177	539	
-1.2505E+06	-1.2505E+06	0	0	1	1	499438	3177	540	
	49		2			9438	3177	541	
1.2558E+06	0.0000E+00	1.7000E+07	1.8900E-11	1.8000E+07	2.9900E-08	9438	3177	542	
1.9000E+07	2.0800E-07	2.0000E+07	1.1590E-06	2.1000E+07	2.1100E-06	9438	3177	543	
2.2000E+07	6.1000E-06	2.3000E+07	1.6200E-05	2.4000E+07	4.0800E-05	9438	3177	544	
2.5000E+07	9.4900E-05	2.6000E+07	1.9300E-04	2.7000E+07	3.4900E-04	9438	3177	545	
2.8000E+07	5.4900E-04	2.9000E+07	7.9500E-04	3.0000E+07	1.0500E-03	9438	3177	546	
3.1000E+07	1.3200E-03	3.2000E+07	1.5700E-03	3.3000E+07	1.7800E-03	9438	3177	547	
3.4000E+07	1.9300E-03	3.5000E+07	2.0300E-03	3.6000E+07	2.0700E-03	9438	3177	548	
3.7000E+07	2.0300E-03	3.8000E+07	1.9900E-03	3.9000E+07	1.9300E-03	9438	3177	549	
4.0000E+07	1.8500E-03	4.2000E+07	1.6800E-03	4.4000E+07	1.4800E-03	9438	3177	550	
4.6000E+07	1.2900E-03	4.8000E+07	1.1200E-03	5.0000E+07	9.4700E-04	9438	3177	551	
5.2000E+07	8.1100E-04	5.4000E+07	6.8000E-04	5.6000E+07	5.7000E-04	9438	3177	552	
5.8000E+07	4.7800E-04	6.0000E+07	4.0300E-04	6.2000E+07	3.2400E-04	9438	3177	553	
6.4000E+07	2.7500E-04	6.6000E+07	2.3200E-04	6.8000E+07	1.9000E-04	9438	3177	554	
7.0000E+07	1.5100E-04	7.2000E+07	1.1900E-04	7.4000E+07	9.3300E-05	9438	3177	555	
7.6000E+07	7.5000E-05	7.8000E+07	6.7700E-05	8.0000E+07	7.4100E-05	9438	3177	556	
8.5000E+07	1.5000E-04	9.0000E+07	2.4300E-04	9.5000E+07	3.3600E-04	9438	3177	557	
1.0000E+08	4.2600E-04					9438	3177	558	
						9438	3	0	559
9.4238E+04	2.3800E+02	0	0	0	0	09438	3178	560	
-7.0045E+06	-7.0045E+06	0	0	1	1	429438	3178	561	
	42		2			9438	3178	562	
7.0339E+06	0.0000E+00	2.4000E+07	2.2900E-09	2.5000E+07	3.3400E-08	9438	3178	563	
2.6000E+07	1.5700E-07	2.7000E+07	5.4200E-07	2.8000E+07	1.5000E-06	9438	3178	564	
2.9000E+07	4.1200E-06	3.0000E+07	9.8700E-06	3.1000E+07	2.2500E-05	9438	3178	565	
3.2000E+07	4.8400E-05	3.3000E+07	9.3400E-05	3.4000E+07	1.6200E-04	9438	3178	566	
3.5000E+07	2.5100E-04	3.6000E+07	3.5300E-04	3.7000E+07	4.8600E-04	9438	3178	567	
3.8000E+07	6.0300E-04	3.9000E+07	7.0400E-04	4.0000E+07	7.9600E-04	9438	3178	568	
4.2000E+07	8.5600E-04	4.4000E+07	8.9800E-04	4.6000E+07	8.7300E-04	9438	3178	569	
4.8000E+07	8.1100E-04	5.0000E+07	7.2500E-04	5.2000E+07	6.4600E-04	9438	3178	570	
5.4000E+07	5.5700E-04	5.6000E+07	4.8300E-04	5.8000E+07	4.1800E-04	9438	3178	571	
6.0000E+07	3.5200E-04	6.2000E+07	2.9900E-04	6.4000E+07	2.5200E-04	9438	3178	572	
6.6000E+07	2.1400E-04	6.8000E+07	1.8100E-04	7.0000E+07	1.5400E-04	9438	3178	573	
7.2000E+07	1.3100E-04	7.4000E+07	1.1000E-04	7.6000E+07	9.0700E-05	9438	3178	574	
7.8000E+07	7.2900E-05	8.0000E+07	5.6900E-05	8.5000E+07	2.6100E-05	9438	3178	575	
9.0000E+07	2.3100E-05	9.5000E+07	4.4000E-05	1.0000E+08	7.2300E-05	9438	3178	576	
						9438	3	0	577
9.4238E+04	2.3800E+02	0	0	0	0	09438	3179	578	
-1.4259E+07	-1.4259E+07	0	0	1	1	359438	3179	579	
	35		2			9438	3179	580	
1.4319E+07	0.0000E+00	3.1000E+07	9.1700E-12	3.2000E+07	4.4800E-10	9438	3179	581	
3.3000E+07	4.2500E-09	3.4000E+07	2.2600E-08	3.5000E+07	8.4200E-08	9438	3179	582	
3.6000E+07	2.4600E-07	3.7000E+07	6.8900E-07	3.8000E+07	1.7900E-06	9438	3179	583	
3.9000E+07	4.1900E-06	4.0000E+07	9.5300E-06	4.2000E+07	3.0600E-05	9438	3179	584	

4.4000E+07	7.7100E-05	4.6000E+07	1.4200E-04	4.8000E+07	2.1300E-04	9438	3179	585
5.0000E+07	2.7200E-04	5.2000E+07	3.0200E-04	5.4000E+07	3.1000E-04	9438	3179	586
5.6000E+07	2.9800E-04	5.8000E+07	2.7500E-04	6.0000E+07	2.3900E-04	9438	3179	587
6.2000E+07	2.1000E-04	6.4000E+07	1.8200E-04	6.6000E+07	1.5600E-04	9438	3179	588
6.8000E+07	1.3300E-04	7.0000E+07	1.1200E-04	7.2000E+07	9.4500E-05	9438	3179	589
7.4000E+07	7.9900E-05	7.6000E+07	6.7700E-05	7.8000E+07	5.7500E-05	9438	3179	590
8.0000E+07	4.8800E-05	8.5000E+07	3.0800E-05	9.0000E+07	1.6400E-05	9438	3179	591
9.5000E+07	6.5900E-06	1.0000E+08	3.8900E-06			9438	3179	592
						9438	3	0
9.4238E+04	2.3800E+02		0	0	0	09438	3180	594
-2.0158E+07	-2.0158E+07		0	0	1	299438	3180	595
	29	2				9438	3180	596
2.0243E+07	0.0000E+00	3.7000E+07	8.8200E-14	3.8000E+07	9.5700E-12	9438	3180	597
3.9000E+07	1.4600E-10	4.0000E+07	1.0500E-09	4.2000E+07	1.0700E-08	9438	3180	598
4.4000E+07	8.5000E-08	4.6000E+07	5.0600E-07	4.8000E+07	2.1700E-06	9438	3180	599
5.0000E+07	6.8700E-06	5.2000E+07	1.4500E-05	5.4000E+07	2.5400E-05	9438	3180	600
5.6000E+07	3.6400E-05	5.8000E+07	4.5200E-05	6.0000E+07	5.1100E-05	9438	3180	601
6.2000E+07	5.2700E-05	6.4000E+07	5.1400E-05	6.6000E+07	4.8100E-05	9438	3180	602
6.8000E+07	4.3500E-05	7.0000E+07	3.8900E-05	7.2000E+07	3.4000E-05	9438	3180	603
7.4000E+07	2.9600E-05	7.6000E+07	2.5500E-05	7.8000E+07	2.1800E-05	9438	3180	604
8.0000E+07	1.8500E-05	8.5000E+07	1.2400E-05	9.0000E+07	7.5500E-06	9438	3180	605
9.5000E+07	4.6500E-06	1.0000E+08	2.3500E-06			9438	3180	606
						9438	3	0
9.4238E+04	2.3800E+02		0	0	0	09438	3181	608
-2.7824E+07	-2.7824E+07		0	0	1	239438	3181	609
	23	2				9438	3181	610
2.7940E+07	0.0000E+00	4.6000E+07	7.8700E-14	4.8000E+07	9.7300E-12	9438	3181	611
5.0000E+07	1.7800E-10	5.2000E+07	1.4400E-09	5.4000E+07	9.2700E-09	9438	3181	612
5.6000E+07	4.5200E-08	5.8000E+07	1.6000E-07	6.0000E+07	4.0500E-07	9438	3181	613
6.2000E+07	8.4200E-07	6.4000E+07	1.3800E-06	6.6000E+07	1.9300E-06	9438	3181	614
6.8000E+07	2.3900E-06	7.0000E+07	2.6700E-06	7.2000E+07	2.7700E-06	9438	3181	615
7.4000E+07	2.7100E-06	7.6000E+07	2.5900E-06	7.8000E+07	2.3500E-06	9438	3181	616
8.0000E+07	2.1200E-06	8.5000E+07	1.5300E-06	9.0000E+07	1.0400E-06	9438	3181	617
9.5000E+07	7.0600E-07	1.0000E+08	4.7700E-07			9438	3181	618
						9438	3	0
9.4238E+04	2.3800E+02		0	0	0	09438	3182	620
-3.4293E+07	-3.4293E+07		0	0	1	199438	3182	621
	19	2				9438	3182	622
3.4437E+07	0.0000E+00	5.4000E+07	1.7700E-14	5.6000E+07	5.9000E-13	9438	3182	623
5.8000E+07	7.2900E-12	6.0000E+07	5.0600E-11	6.2000E+07	3.1700E-10	9438	3182	624
6.4000E+07	1.4200E-09	6.6000E+07	4.6200E-09	6.8000E+07	1.1700E-08	9438	3182	625
7.0000E+07	2.2300E-08	7.2000E+07	3.6000E-08	7.4000E+07	5.0900E-08	9438	3182	626
7.6000E+07	6.3700E-08	7.8000E+07	7.3700E-08	8.0000E+07	7.8100E-08	9438	3182	627
8.5000E+07	7.4400E-08	9.0000E+07	5.8400E-08	9.5000E+07	4.2600E-08	9438	3182	628
1.0000E+08	2.9700E-08					9438	3182	629
						9438	3	0
9.4238E+04	2.3800E+02		0	0	0	09438	3183	631
-4.2133E+07	-4.2133E+07		0	0	1	169438	3183	632
	16	2				9438	3183	633
4.2310E+07	0.0000E+00	6.0000E+07	3.7100E-20	6.2000E+07	1.8300E-17	9438	3183	634
6.4000E+07	9.0600E-16	6.6000E+07	1.5400E-14	6.8000E+07	1.7600E-13	9438	3183	635
7.0000E+07	1.1400E-12	7.2000E+07	5.3800E-12	7.4000E+07	2.0900E-11	9438	3183	636
7.6000E+07	6.0100E-11	7.8000E+07	1.4300E-10	8.0000E+07	2.7800E-10	9438	3183	637
8.5000E+07	7.2600E-10	9.0000E+07	1.0500E-09	9.5000E+07	1.0700E-09	9438	3183	638
1.0000E+08	8.9900E-10					9438	3183	639
						9438	3	0
						9438	0	0
						0	0	0
						-1	0	0
						0	0	0
Pu-239	WIND							
9.4239E+04	2.3900E+02		-1	0	99	19439	1451	1
0.0000E+00	0.0000E+00		0	0	0	69439	1451	2
1.0000E+00	0.0000E+00		0	0	10	29439	1451	3
0.0000E+00	0.0000E+00		0	0	67	339439	1451	4
94-Pu-239	INPE	EVAL-SEP94	YU.A.KOROVIN	ET.AL.		9439	1451	5
		DIST-OCT94				9439	1451	6
----	WIND	MATERIAL	9439			9439	1451	7

		3	18	108	19439	1451	75		
		3	37	18	19439	1451	76		
		3	103	23	19439	1451	77		
		3	111	18	19439	1451	78		
		3	121	16	19439	1451	79		
		3	122	14	19439	1451	80		
		3	123	12	19439	1451	81		
		3	124	11	19439	1451	82		
		3	125	9	19439	1451	83		
		3	126	8	19439	1451	84		
		3	153	21	19439	1451	85		
		3	154	19	19439	1451	86		
		3	155	18	19439	1451	87		
		3	156	16	19439	1451	88		
		3	157	13	19439	1451	89		
		3	158	11	19439	1451	90		
		3	159	10	19439	1451	91		
		3	160	9	19439	1451	92		
		3	161	7	19439	1451	93		
		3	162	7	19439	1451	94		
		3	174	15	19439	1451	95		
		3	175	24	19439	1451	96		
		3	176	22	19439	1451	97		
		3	177	20	19439	1451	98		
		3	178	18	19439	1451	99		
		3	179	16	19439	1451	100		
		3	180	13	19439	1451	101		
		3	181	11	19439	1451	102		
		3	182	10	19439	1451	103		
		3	183	9	19439	1451	104		
					9439	1	0	105	
					9439	0	0	106	
9.4239E+04	2.3900E+02	0	0	0	09439	3	16	107	
-5.6467E+06	-5.6467E+06	0	0	1	859439	3	16	108	
	85	2			9439	3	16	109	
5.6705E+06	0.0000E+00	5.7500E+06	3.2056E-04	6.0000E+06	2.0850E-02	9439	3	16	110
6.2500E+06	7.2250E-02	6.5000E+06	1.3537E-01	6.7500E+06	1.9568E-01	9439	3	16	111
7.0000E+06	2.5085E-01	7.2500E+06	2.9034E-01	7.5000E+06	3.1058E-01	9439	3	16	112
7.7500E+06	3.2309E-01	8.0000E+06	3.3629E-01	8.2500E+06	3.5327E-01	9439	3	16	113
8.5000E+06	3.7091E-01	8.7500E+06	3.8849E-01	9.0000E+06	4.0424E-01	9439	3	16	114
9.2500E+06	4.1858E-01	9.5000E+06	4.3081E-01	9.7500E+06	4.4100E-01	9439	3	16	115
1.0000E+07	4.4902E-01	1.0500E+07	4.6180E-01	1.1000E+07	4.6525E-01	9439	3	16	116
1.1500E+07	4.6273E-01	1.2000E+07	4.5306E-01	1.2500E+07	4.2540E-01	9439	3	16	117
1.2701E+07	4.0981E-01	1.3000E+07	3.8388E-01	1.3500E+07	3.1399E-01	9439	3	16	118
1.4000E+07	2.5700E-01	1.4500E+07	2.4003E-01	1.5000E+07	2.1955E-01	9439	3	16	119
1.5500E+07	2.0180E-01	1.6000E+07	1.8338E-01	1.6500E+07	1.6483E-01	9439	3	16	120
1.7000E+07	1.4823E-01	1.7500E+07	1.3454E-01	1.8000E+07	1.2152E-01	9439	3	16	121
1.8500E+07	1.0613E-01	1.8586E+07	1.0345E-01	1.9000E+07	9.1830E-02	9439	3	16	122
1.9500E+07	8.2639E-02	2.0000E+07	7.7129E-02	2.1000E+07	7.3000E-02	9439	3	16	123
2.2000E+07	6.4808E-02	2.3000E+07	6.0711E-02	2.4000E+07	5.9023E-02	9439	3	16	124
2.5000E+07	5.7053E-02	2.6000E+07	5.3712E-02	2.7000E+07	5.1607E-02	9439	3	16	125
2.8000E+07	5.0346E-02	2.9000E+07	4.9133E-02	3.0000E+07	4.8275E-02	9439	3	16	126
3.1000E+07	4.6375E-02	3.2000E+07	4.5638E-02	3.3000E+07	4.5366E-02	9439	3	16	127
3.4000E+07	4.4964E-02	3.5000E+07	4.4433E-02	3.6000E+07	4.3976E-02	9439	3	16	128
3.7000E+07	4.1995E-02	3.8000E+07	4.1792E-02	3.9000E+07	4.1469E-02	9439	3	16	129
4.0000E+07	4.1327E-02	4.2000E+07	3.9191E-02	4.4000E+07	3.8495E-02	9439	3	16	130
4.6000E+07	3.7947E-02	4.8000E+07	3.7253E-02	5.0000E+07	3.6618E-02	9439	3	16	131
5.2000E+07	3.6147E-02	5.4000E+07	3.5545E-02	5.6000E+07	3.4514E-02	9439	3	16	132
5.8000E+07	3.4158E-02	6.0000E+07	3.3878E-02	6.2000E+07	3.3779E-02	9439	3	16	133
6.4000E+07	3.3760E-02	6.6000E+07	3.3324E-02	6.8000E+07	3.3173E-02	9439	3	16	134
7.0000E+07	3.2508E-02	7.2000E+07	3.1929E-02	7.4000E+07	3.1639E-02	9439	3	16	135
7.6000E+07	3.1337E-02	7.8000E+07	3.0726E-02	8.0000E+07	3.0504E-02	9439	3	16	136
8.5000E+07	2.8315E-02	9.0000E+07	2.7680E-02	9.5000E+07	2.6906E-02	9439	3	16	137
1.0000E+08	2.6200E-02				9439	3	16	138	
					9439	3	0	139	
9.4239E+04	2.3900E+02	0	0	0	09439	3	17	140	
-1.2648E+07	-1.2648E+07	0	0	1	619439	3	17	141	

	61	2				9439	3	17	142
1.2701E+07	0.0000E+00	1.3000E+07	7.8487E-05	1.3500E+07	2.4160E-03	9439	3	17	143
1.4000E+07	1.2058E-02	1.4500E+07	3.2237E-02	1.5000E+07	6.1065E-02	9439	3	17	144
1.5500E+07	9.8083E-02	1.6000E+07	1.4096E-01	1.6500E+07	1.8545E-01	9439	3	17	145
1.7000E+07	2.3004E-01	1.7500E+07	2.7437E-01	1.8000E+07	3.1632E-01	9439	3	17	146
1.8500E+07	3.4355E-01	1.8586E+07	3.4677E-01	1.9000E+07	3.5945E-01	9439	3	17	147
1.9500E+07	3.7106E-01	2.0000E+07	3.7596E-01	2.1000E+07	3.7960E-01	9439	3	17	148
2.2000E+07	3.5484E-01	2.3000E+07	3.2768E-01	2.4000E+07	3.0373E-01	9439	3	17	149
2.5000E+07	2.8204E-01	2.6000E+07	2.6327E-01	2.7000E+07	2.4711E-01	9439	3	17	150
2.8000E+07	2.3286E-01	2.9000E+07	2.2004E-01	3.0000E+07	2.0888E-01	9439	3	17	151
3.1000E+07	1.9840E-01	3.2000E+07	1.8886E-01	3.3000E+07	1.7991E-01	9439	3	17	152
3.4000E+07	1.7170E-01	3.5000E+07	1.6400E-01	3.6000E+07	1.5687E-01	9439	3	17	153
3.7000E+07	1.5019E-01	3.8000E+07	1.4381E-01	3.9000E+07	1.3793E-01	9439	3	17	154
4.0000E+07	1.3232E-01	4.2000E+07	1.2153E-01	4.4000E+07	1.1230E-01	9439	3	17	155
4.6000E+07	1.0402E-01	4.8000E+07	9.6342E-02	5.0000E+07	8.9257E-02	9439	3	17	156
5.2000E+07	8.2882E-02	5.4000E+07	7.6942E-02	5.6000E+07	7.1408E-02	9439	3	17	157
5.8000E+07	6.6308E-02	6.0000E+07	6.1555E-02	6.2000E+07	5.7087E-02	9439	3	17	158
6.4000E+07	5.2838E-02	6.6000E+07	4.8902E-02	6.8000E+07	4.5228E-02	9439	3	17	159
7.0000E+07	4.1697E-02	7.2000E+07	3.8393E-02	7.4000E+07	3.5269E-02	9439	3	17	160
7.6000E+07	3.2313E-02	7.8000E+07	2.9483E-02	8.0000E+07	2.6797E-02	9439	3	17	161
8.5000E+07	2.0853E-02	9.0000E+07	1.5231E-02	9.5000E+07	1.0347E-02	9439	3	17	162
1.0000E+08	5.9200E-03					9439	3	17	163
						9439	3	0	164
9.4239E+04	2.3900E+02	0	0	0	0	9439	3	18	165
1.9992E+08	1.9992E+08	0	0	1	1	3139439	3	18	166
	313	2				9439	3	18	167
1.0000E+05	1.5262E+00	1.1000E+05	1.5225E+00	1.2000E+05	1.5171E+00	9439	3	18	168
1.3000E+05	1.5091E+00	1.4000E+05	1.5000E+00	1.5000E+05	1.4934E+00	9439	3	18	169
1.6000E+05	1.4921E+00	1.7000E+05	1.4916E+00	1.8000E+05	1.4863E+00	9439	3	18	170
1.9000E+05	1.4897E+00	2.0000E+05	1.4884E+00	2.1000E+05	1.4938E+00	9439	3	18	171
2.2000E+05	1.4999E+00	2.3000E+05	1.5039E+00	2.4000E+05	1.5069E+00	9439	3	18	172
2.4500E+05	1.5099E+00	2.5000E+05	1.5159E+00	2.5556E+05	1.5187E+00	9439	3	18	173
2.6000E+05	1.5210E+00	2.7000E+05	1.5270E+00	2.8000E+05	1.5320E+00	9439	3	18	174
2.9000E+05	1.5350E+00	3.0000E+05	1.5375E+00	3.1000E+05	1.5415E+00	9439	3	18	175
3.2000E+05	1.5455E+00	3.2500E+05	1.5468E+00	3.3000E+05	1.5477E+00	9439	3	18	176
3.4000E+05	1.5490E+00	3.5000E+05	1.5500E+00	3.6000E+05	1.5509E+00	9439	3	18	177
3.7000E+05	1.5516E+00	3.7500E+05	1.5520E+00	3.8000E+05	1.5521E+00	9439	3	18	178
3.9000E+05	1.5520E+00	4.0000E+05	1.5524E+00	4.1111E+05	1.5544E+00	9439	3	18	179
4.2000E+05	1.5559E+00	4.2500E+05	1.5569E+00	4.4000E+05	1.5600E+00	9439	3	18	180
4.5000E+05	1.5619E+00	4.6000E+05	1.5629E+00	4.7500E+05	1.5639E+00	9439	3	18	181
4.8000E+05	1.5644E+00	5.0000E+05	1.5677E+00	5.2000E+05	1.5749E+00	9439	3	18	182
5.4000E+05	1.5789E+00	5.6000E+05	1.5877E+00	5.6667E+05	1.5905E+00	9439	3	18	183
5.7000E+05	1.5919E+00	5.8000E+05	1.5947E+00	6.0000E+05	1.5999E+00	9439	3	18	184
6.2000E+05	1.6087E+00	6.4000E+05	1.6181E+00	6.5000E+05	1.6220E+00	9439	3	18	185
6.6000E+05	1.6251E+00	6.8000E+05	1.6303E+00	7.0000E+05	1.6363E+00	9439	3	18	186
7.2000E+05	1.6435E+00	7.2222E+05	1.6443E+00	7.4000E+05	1.6506E+00	9439	3	18	187
7.5000E+05	1.6540E+00	7.6000E+05	1.6573E+00	7.8000E+05	1.6637E+00	9439	3	18	188
8.0000E+05	1.6700E+00	8.2000E+05	1.6770E+00	8.4000E+05	1.6841E+00	9439	3	18	189
8.5000E+05	1.6872E+00	8.6000E+05	1.6898E+00	8.7778E+05	1.6934E+00	9439	3	18	190
8.8000E+05	1.6938E+00	9.0000E+05	1.6970E+00	9.2000E+05	1.6995E+00	9439	3	18	191
9.4000E+05	1.7020E+00	9.6000E+05	1.7059E+00	9.8000E+05	1.7140E+00	9439	3	18	192
1.0000E+06	1.7248E+00	1.0333E+06	1.7339E+00	1.0500E+06	1.7384E+00	9439	3	18	193
1.1000E+06	1.7543E+00	1.1500E+06	1.7818E+00	1.1889E+06	1.8038E+00	9439	3	18	194
1.2000E+06	1.8100E+00	1.2500E+06	1.8371E+00	1.3000E+06	1.8629E+00	9439	3	18	195
1.3444E+06	1.8846E+00	1.3500E+06	1.8873E+00	1.4000E+06	1.9078E+00	9439	3	18	196
1.4500E+06	1.9167E+00	1.5000E+06	1.9148E+00	1.5500E+06	1.9112E+00	9439	3	18	197
1.6000E+06	1.9132E+00	1.6500E+06	1.9200E+00	1.7000E+06	1.9268E+00	9439	3	18	198
1.7500E+06	1.9334E+00	1.8000E+06	1.9394E+00	1.8500E+06	1.9447E+00	9439	3	18	199
1.9000E+06	1.9497E+00	1.9500E+06	1.9543E+00	2.0000E+06	1.9587E+00	9439	3	18	200
2.0500E+06	1.9631E+00	2.1000E+06	1.9662E+00	2.1500E+06	1.9666E+00	9439	3	18	201
2.2000E+06	1.9629E+00	2.2500E+06	1.9540E+00	2.3000E+06	1.9422E+00	9439	3	18	202
2.3500E+06	1.9303E+00	2.4000E+06	1.9206E+00	2.4500E+06	1.9128E+00	9439	3	18	203
2.5000E+06	1.9052E+00	2.5500E+06	1.8978E+00	2.6000E+06	1.8905E+00	9439	3	18	204
2.6500E+06	1.8834E+00	2.7000E+06	1.8764E+00	2.7500E+06	1.8696E+00	9439	3	18	205
2.8000E+06	1.8630E+00	2.8500E+06	1.8569E+00	2.9000E+06	1.8516E+00	9439	3	18	206
2.9500E+06	1.8467E+00	3.0000E+06	1.8421E+00	3.1000E+06	1.8334E+00	9439	3	18	207
3.2000E+06	1.8251E+00	3.2500E+06	1.8212E+00	3.3000E+06	1.8172E+00	9439	3	18	208

3.4000E+06	1.8096E+00	3.5000E+06	1.8020E+00	3.6000E+06	1.7945E+00	9439	3	18	209
3.7000E+06	1.7871E+00	3.7500E+06	1.7835E+00	3.8000E+06	1.7798E+00	9439	3	18	210
3.9000E+06	1.7728E+00	4.0000E+06	1.7661E+00	4.1000E+06	1.7596E+00	9439	3	18	211
4.2000E+06	1.7533E+00	4.2500E+06	1.7502E+00	4.3000E+06	1.7472E+00	9439	3	18	212
4.4000E+06	1.7412E+00	4.5000E+06	1.7355E+00	4.6000E+06	1.7299E+00	9439	3	18	213
4.7000E+06	1.7245E+00	4.7500E+06	1.7216E+00	4.8000E+06	1.7188E+00	9439	3	18	214
4.9000E+06	1.7127E+00	5.0000E+06	1.7066E+00	5.1000E+06	1.7003E+00	9439	3	18	215
5.2000E+06	1.6936E+00	5.2500E+06	1.6902E+00	5.3000E+06	1.6868E+00	9439	3	18	216
5.4000E+06	1.6786E+00	5.5000E+06	1.6698E+00	5.6000E+06	1.6634E+00	9439	3	18	217
5.6500E+06	1.6625E+00	5.7000E+06	1.6673E+00	5.7500E+06	1.6824E+00	9439	3	18	218
5.8000E+06	1.6974E+00	5.9000E+06	1.7352E+00	6.0000E+06	1.7745E+00	9439	3	18	219
6.1000E+06	1.8153E+00	6.2000E+06	1.8562E+00	6.2500E+06	1.8758E+00	9439	3	18	220
6.3000E+06	1.8954E+00	6.4000E+06	1.9326E+00	6.5000E+06	1.9675E+00	9439	3	18	221
6.6000E+06	1.9998E+00	6.7000E+06	2.0296E+00	6.7500E+06	2.0434E+00	9439	3	18	222
6.8000E+06	2.0572E+00	6.9000E+06	2.0830E+00	7.0000E+06	2.1074E+00	9439	3	18	223
7.1000E+06	2.1308E+00	7.2000E+06	2.1531E+00	7.2500E+06	2.1637E+00	9439	3	18	224
7.3000E+06	2.1743E+00	7.4000E+06	2.1944E+00	7.5000E+06	2.2134E+00	9439	3	18	225
7.6000E+06	2.2307E+00	7.7000E+06	2.2455E+00	7.7500E+06	2.2518E+00	9439	3	18	226
7.8000E+06	2.2575E+00	7.9000E+06	2.2666E+00	8.0000E+06	2.2727E+00	9439	3	18	227
8.2000E+06	2.2802E+00	8.2500E+06	2.2813E+00	8.4000E+06	2.2845E+00	9439	3	18	228
8.5000E+06	2.2852E+00	8.6000E+06	2.2854E+00	8.7500E+06	2.2849E+00	9439	3	18	229
8.8000E+06	2.2848E+00	9.0000E+06	2.2816E+00	9.2000E+06	2.2765E+00	9439	3	18	230
9.2500E+06	2.2751E+00	9.4000E+06	2.2710E+00	9.5000E+06	2.2680E+00	9439	3	18	231
9.6000E+06	2.2651E+00	9.7500E+06	2.2605E+00	9.8000E+06	2.2590E+00	9439	3	18	232
1.0000E+07	2.2527E+00	1.0200E+07	2.2459E+00	1.0400E+07	2.2385E+00	9439	3	18	233
1.0500E+07	2.2347E+00	1.0600E+07	2.2310E+00	1.0800E+07	2.2239E+00	9439	3	18	234
1.1000E+07	2.2176E+00	1.1200E+07	2.2137E+00	1.1400E+07	2.2120E+00	9439	3	18	235
1.1500E+07	2.2117E+00	1.1600E+07	2.2120E+00	1.1700E+07	2.2132E+00	9439	3	18	236
1.1800E+07	2.2156E+00	1.2000E+07	2.2235E+00	1.2200E+07	2.2361E+00	9439	3	18	237
1.2400E+07	2.2523E+00	1.2500E+07	2.2617E+00	1.2600E+07	2.2712E+00	9439	3	18	238
1.2800E+07	2.2935E+00	1.3000E+07	2.3134E+00	1.3100E+07	2.3217E+00	9439	3	18	239
1.3200E+07	2.3294E+00	1.3300E+07	2.3367E+00	1.3400E+07	2.3436E+00	9439	3	18	240
1.3500E+07	2.3501E+00	1.3600E+07	2.3561E+00	1.3700E+07	2.3616E+00	9439	3	18	241
1.3800E+07	2.3668E+00	1.3900E+07	2.3715E+00	1.4000E+07	2.3758E+00	9439	3	18	242
1.4100E+07	2.3797E+00	1.4200E+07	2.3830E+00	1.4300E+07	2.3859E+00	9439	3	18	243
1.4400E+07	2.3886E+00	1.4500E+07	2.3909E+00	1.4600E+07	2.3933E+00	9439	3	18	244
1.4700E+07	2.3953E+00	1.4800E+07	2.3967E+00	1.4900E+07	2.3970E+00	9439	3	18	245
1.5000E+07	2.3958E+00	1.5100E+07	2.3935E+00	1.5200E+07	2.3907E+00	9439	3	18	246
1.5300E+07	2.3875E+00	1.5400E+07	2.3839E+00	1.5500E+07	2.3801E+00	9439	3	18	247
1.5600E+07	2.3760E+00	1.5700E+07	2.3719E+00	1.5800E+07	2.3676E+00	9439	3	18	248
1.5900E+07	2.3634E+00	1.6000E+07	2.3593E+00	1.6200E+07	2.3503E+00	9439	3	18	249
1.6400E+07	2.3407E+00	1.6500E+07	2.3359E+00	1.6600E+07	2.3311E+00	9439	3	18	250
1.6800E+07	2.3225E+00	1.7000E+07	2.3154E+00	1.7200E+07	2.3099E+00	9439	3	18	251
1.7400E+07	2.3055E+00	1.7500E+07	2.3037E+00	1.7600E+07	2.3020E+00	9439	3	18	252
1.7800E+07	2.2993E+00	1.8000E+07	2.2973E+00	1.8200E+07	2.2959E+00	9439	3	18	253
1.8400E+07	2.2948E+00	1.8500E+07	2.2945E+00	1.8600E+07	2.2942E+00	9439	3	18	254
1.8800E+07	2.2938E+00	1.9000E+07	2.2935E+00	1.9200E+07	2.2934E+00	9439	3	18	255
1.9400E+07	2.2937E+00	1.9500E+07	2.2940E+00	1.9600E+07	2.2943E+00	9439	3	18	256
1.9800E+07	2.2955E+00	2.0000E+07	2.2972E+00	2.1000E+07	2.3004E+00	9439	3	18	257
2.2000E+07	2.2953E+00	2.3000E+07	2.2896E+00	2.4000E+07	2.2885E+00	9439	3	18	258
2.5000E+07	2.2895E+00	2.6000E+07	2.2934E+00	2.7000E+07	2.2912E+00	9439	3	18	259
2.8000E+07	2.2839E+00	2.9000E+07	2.2747E+00	3.0000E+07	2.2639E+00	9439	3	18	260
3.1000E+07	2.2578E+00	3.2000E+07	2.2508E+00	3.3000E+07	2.2442E+00	9439	3	18	261
3.4000E+07	2.2371E+00	3.5000E+07	2.2290E+00	3.6000E+07	2.2203E+00	9439	3	18	262
3.7000E+07	2.2141E+00	3.8000E+07	2.2053E+00	3.9000E+07	2.1954E+00	9439	3	18	263
4.0000E+07	2.1877E+00	4.2000E+07	2.1787E+00	4.4000E+07	2.1625E+00	9439	3	18	264
4.6000E+07	2.1452E+00	4.8000E+07	2.1299E+00	5.0000E+07	2.1160E+00	9439	3	18	265
5.2000E+07	2.1031E+00	5.4000E+07	2.0894E+00	5.6000E+07	2.0762E+00	9439	3	18	266
5.8000E+07	2.0630E+00	6.0000E+07	2.0500E+00	6.2000E+07	2.0424E+00	9439	3	18	267
6.4000E+07	2.0283E+00	6.6000E+07	2.0154E+00	6.8000E+07	2.0024E+00	9439	3	18	268
7.0000E+07	1.9900E+00	7.2000E+07	1.9782E+00	7.4000E+07	1.9655E+00	9439	3	18	269
7.6000E+07	1.9515E+00	7.8000E+07	1.9401E+00	8.0000E+07	1.9290E+00	9439	3	18	270
8.5000E+07	1.9011E+00	9.0000E+07	1.8748E+00	9.5000E+07	1.8487E+00	9439	3	18	271
1.0000E+08	1.8243E+00					9439	3	18	272
						9439	3	0	273
9.4239E+04	2.3900E+02	0	0	0	0	9439	3	37	274
-1.8519E+07	-1.8519E+07	0	0	1		459439	3	37	275

	45	2				9439	3	37	276
1.8596E+07	0.0000E+00	2.1000E+07	1.0000E-03	2.2000E+07	2.7900E-039439	3	37	277	
2.3000E+07	4.7200E-03	2.4000E+07	6.2500E-03	2.5000E+07	7.6800E-039439	3	37	278	
2.6000E+07	8.8400E-03	2.7000E+07	9.6800E-03	2.8000E+07	1.0100E-029439	3	37	279	
2.9000E+07	9.9400E-03	3.0000E+07	9.4100E-03	3.1000E+07	8.6400E-039439	3	37	280	
3.2000E+07	7.7600E-03	3.3000E+07	6.9100E-03	3.4000E+07	6.1400E-039439	3	37	281	
3.5000E+07	5.4800E-03	3.6000E+07	4.9300E-03	3.7000E+07	4.4900E-039439	3	37	282	
3.8000E+07	4.1100E-03	3.9000E+07	3.8000E-03	4.0000E+07	3.5200E-039439	3	37	283	
4.2000E+07	2.8200E-03	4.4000E+07	2.5100E-03	4.6000E+07	2.2500E-039439	3	37	284	
4.8000E+07	2.0600E-03	5.0000E+07	1.9000E-03	5.2000E+07	1.7900E-039439	3	37	285	
5.4000E+07	1.6900E-03	5.6000E+07	1.6100E-03	5.8000E+07	1.5500E-039439	3	37	286	
6.0000E+07	1.4900E-03	6.2000E+07	1.4300E-03	6.4000E+07	1.3800E-039439	3	37	287	
6.6000E+07	1.3400E-03	6.8000E+07	1.3100E-03	7.0000E+07	1.2700E-039439	3	37	288	
7.2000E+07	1.2400E-03	7.4000E+07	1.2200E-03	7.6000E+07	1.1900E-039439	3	37	289	
7.8000E+07	1.1700E-03	8.0000E+07	1.1500E-03	8.5000E+07	1.1000E-039439	3	37	290	
9.0000E+07	1.0800E-03	9.5000E+07	1.0400E-03	1.0000E+08	1.0000E-039439	3	37	291	
					9439	3	0	292	
9.4239E+04	2.3900E+02	0	0	0	09439	3103		293	
6.1168E+04	6.1168E+04	0	0	1	599439	3103		294	
	59	2			9439	3103		295	
1.0000E-05	0.0000E+00	7.0000E+06	2.0300E-05	8.0000E+06	1.1400E-049439	3103		296	
9.0000E+06	3.6700E-04	1.0000E+07	9.2900E-04	1.1000E+07	1.7900E-039439	3103		297	
1.2000E+07	3.3400E-03	1.3000E+07	5.5000E-03	1.4000E+07	7.2900E-039439	3103		298	
1.5000E+07	1.1000E-02	1.6000E+07	1.5400E-02	1.7000E+07	2.0000E-029439	3103		299	
1.8000E+07	2.2300E-02	1.9000E+07	2.5567E-02	2.0000E+07	2.8833E-029439	3103		300	
2.1000E+07	3.2100E-02	2.2000E+07	3.2700E-02	2.3000E+07	3.4600E-029439	3103		301	
2.4000E+07	3.6500E-02	2.5000E+07	3.8100E-02	2.6000E+07	3.8300E-029439	3103		302	
2.7000E+07	3.8900E-02	2.8000E+07	3.9100E-02	2.9000E+07	3.9400E-029439	3103		303	
3.0000E+07	3.9600E-02	3.1000E+07	3.9400E-02	3.2000E+07	3.9700E-029439	3103		304	
3.3000E+07	3.9700E-02	3.4000E+07	3.9500E-02	3.5000E+07	3.9200E-029439	3103		305	
3.6000E+07	3.8800E-02	3.7000E+07	3.8200E-02	3.8000E+07	3.7900E-029439	3103		306	
3.9000E+07	3.8900E-02	4.0000E+07	3.8600E-02	4.2000E+07	3.5900E-029439	3103		307	
4.4000E+07	3.5000E-02	4.6000E+07	3.4100E-02	4.8000E+07	3.3100E-029439	3103		308	
5.0000E+07	3.2200E-02	5.2000E+07	3.1400E-02	5.4000E+07	3.0600E-029439	3103		309	
5.6000E+07	2.9800E-02	5.8000E+07	2.8800E-02	6.0000E+07	2.8100E-029439	3103		310	
6.2000E+07	2.7200E-02	6.4000E+07	2.6400E-02	6.6000E+07	2.5900E-029439	3103		311	
6.8000E+07	2.5200E-02	7.0000E+07	2.4500E-02	7.2000E+07	2.3900E-029439	3103		312	
7.4000E+07	2.3200E-02	7.6000E+07	2.5000E-02	7.8000E+07	2.4400E-029439	3103		313	
8.0000E+07	2.3700E-02	8.5000E+07	2.2200E-02	9.0000E+07	2.0900E-029439	3103		314	
9.5000E+07	1.9700E-02	1.0000E+08	1.8700E-02		9439	3103		315	
					9439	3	0	316	
9.4239E+04	2.3900E+02	0	0	0	09439	3111		317	
-5.2287E+06	-5.2287E+06	0	0	1	459439	3111		318	
	45	2			9439	3111		319	
5.2505E+06	0.0000E+00	2.1000E+07	9.5200E-06	2.2000E+07	2.5100E-059439	3111		320	
2.3000E+07	5.8700E-05	2.4000E+07	1.1600E-04	2.5000E+07	2.0100E-049439	3111		321	
2.6000E+07	2.8200E-04	2.7000E+07	4.1600E-04	2.8000E+07	5.7500E-049439	3111		322	
2.9000E+07	7.5600E-04	3.0000E+07	9.6100E-04	3.1000E+07	1.1100E-039439	3111		323	
3.2000E+07	1.3600E-03	3.3000E+07	1.6200E-03	3.4000E+07	1.9000E-039439	3111		324	
3.5000E+07	2.1800E-03	3.6000E+07	2.4700E-03	3.7000E+07	2.6700E-039439	3111		325	
3.8000E+07	2.9900E-03	3.9000E+07	3.3000E-03	4.0000E+07	3.6400E-039439	3111		326	
4.2000E+07	4.0300E-03	4.4000E+07	4.5000E-03	4.6000E+07	4.8800E-039439	3111		327	
4.8000E+07	5.1800E-03	5.0000E+07	5.3600E-03	5.2000E+07	5.5500E-039439	3111		328	
5.4000E+07	5.6500E-03	5.6000E+07	5.7600E-03	5.8000E+07	5.8600E-039439	3111		329	
6.0000E+07	5.9700E-03	6.2000E+07	6.0200E-03	6.4000E+07	6.1000E-039439	3111		330	
6.6000E+07	6.0700E-03	6.8000E+07	6.0900E-03	7.0000E+07	6.1100E-039439	3111		331	
7.2000E+07	6.1400E-03	7.4000E+07	6.2100E-03	7.6000E+07	6.2100E-039439	3111		332	
7.8000E+07	6.2200E-03	8.0000E+07	6.1500E-03	8.5000E+07	6.2100E-039439	3111		333	
9.0000E+07	6.2300E-03	9.5000E+07	6.2000E-03	1.0000E+08	6.2100E-039439	3111		334	
					9439	3	0	335	
9.4239E+04	2.3900E+02	0	0	0	09439	3121		336	
-2.5862E+07	-2.5862E+07	0	0	1	399439	3121		337	
	39	2			9439	3121		338	
2.5970E+07	0.0000E+00	2.7000E+07	1.9700E-08	2.8000E+07	1.3200E-069439	3121		339	
2.9000E+07	1.3100E-05	3.0000E+07	4.3800E-05	3.1000E+07	9.6600E-059439	3121		340	
3.2000E+07	1.6300E-04	3.3000E+07	2.3400E-04	3.4000E+07	3.0100E-049439	3121		341	
3.5000E+07	3.5900E-04	3.6000E+07	4.0800E-04	3.7000E+07	4.4000E-049439	3121		342	

3.8000E+07	4.5500E-04	3.9000E+07	4.5200E-04	4.0000E+07	4.3600E-04	9439	3121	343
4.2000E+07	3.6700E-04	4.4000E+07	3.1000E-04	4.6000E+07	2.5500E-04	9439	3121	344
4.8000E+07	2.1800E-04	5.0000E+07	1.8900E-04	5.2000E+07	1.6900E-04	9439	3121	345
5.4000E+07	1.5000E-04	5.6000E+07	1.3500E-04	5.8000E+07	1.2500E-04	9439	3121	346
6.0000E+07	1.1600E-04	6.2000E+07	1.0900E-04	6.4000E+07	1.0200E-04	9439	3121	347
6.6000E+07	9.5800E-05	6.8000E+07	9.0900E-05	7.0000E+07	8.6000E-05	9439	3121	348
7.2000E+07	8.1700E-05	7.4000E+07	7.8400E-05	7.6000E+07	7.6400E-05	9439	3121	349
7.8000E+07	7.3400E-05	8.0000E+07	7.1200E-05	8.5000E+07	6.7100E-05	9439	3121	350
9.0000E+07	6.3100E-05	9.5000E+07	5.9900E-05	1.0000E+08	5.7400E-05	9439	3121	351
9.4239E+04	2.3900E+02	0	0	0	0	9439	3	352
-3.2115E+07	-3.2115E+07	0	0	1	1	9439	3122	353
	33	2				9439	3122	354
3.2250E+07	0.0000E+00	3.3000E+07	1.9000E-12	3.4000E+07	1.5500E-09	9439	3122	355
3.5000E+07	3.4800E-08	3.6000E+07	2.4200E-07	3.7000E+07	9.1200E-07	9439	3122	356
3.8000E+07	2.1700E-06	3.9000E+07	4.0700E-06	4.0000E+07	6.8200E-06	9439	3122	357
4.2000E+07	1.2200E-05	4.4000E+07	1.6800E-05	4.6000E+07	1.9400E-05	9439	3122	358
4.8000E+07	1.9500E-05	5.0000E+07	1.8000E-05	5.2000E+07	1.6000E-05	9439	3122	359
5.4000E+07	1.4000E-05	5.6000E+07	1.2200E-05	5.8000E+07	1.0700E-05	9439	3122	360
6.0000E+07	9.5200E-06	6.2000E+07	8.5800E-06	6.4000E+07	7.7300E-06	9439	3122	361
6.6000E+07	7.1600E-06	6.8000E+07	6.6800E-06	7.0000E+07	6.3300E-06	9439	3122	362
7.2000E+07	6.0200E-06	7.4000E+07	5.7000E-06	7.6000E+07	5.4300E-06	9439	3122	363
7.8000E+07	5.1700E-06	8.0000E+07	4.9500E-06	8.5000E+07	4.5400E-06	9439	3122	364
9.0000E+07	4.2000E-06	9.5000E+07	3.6100E-06	1.0000E+08	3.3900E-06	9439	3122	365
9.4239E+04	2.3900E+02	0	0	0	0	9439	3	366
-3.9887E+07	-3.9887E+07	0	0	1	1	9439	3123	367
	25	2				9439	3123	368
4.0054E+07	0.0000E+00	4.2000E+07	3.9100E-12	4.4000E+07	7.1800E-10	9439	3123	369
4.6000E+07	1.1400E-08	4.8000E+07	5.3000E-08	5.0000E+07	1.3200E-07	9439	3123	370
5.2000E+07	2.3100E-07	5.4000E+07	3.2800E-07	5.6000E+07	3.9200E-07	9439	3123	371
5.8000E+07	4.1200E-07	6.0000E+07	4.0700E-07	6.2000E+07	3.8700E-07	9439	3123	372
6.4000E+07	3.5400E-07	6.6000E+07	3.2000E-07	6.8000E+07	2.8600E-07	9439	3123	373
7.0000E+07	2.5500E-07	7.2000E+07	2.3000E-07	7.4000E+07	2.0800E-07	9439	3123	374
7.6000E+07	1.9300E-07	7.8000E+07	1.7800E-07	8.0000E+07	1.6600E-07	9439	3123	375
8.5000E+07	1.4700E-07	9.0000E+07	1.3500E-07	9.5000E+07	1.2700E-07	9439	3123	376
1.0000E+08	1.1700E-07					9439	3123	377
9.4239E+04	2.3900E+02	0	0	0	0	9439	3	378
-4.6279E+07	-4.6279E+07	0	0	1	1	9439	3124	379
	22	2				9439	3124	380
4.6472E+07	0.0000E+00	4.8000E+07	7.5800E-17	5.0000E+07	1.9600E-13	9439	3124	381
5.2000E+07	9.9100E-12	5.4000E+07	1.1100E-10	5.6000E+07	4.9400E-10	9439	3124	382
5.8000E+07	1.1600E-09	6.0000E+07	2.0500E-09	6.2000E+07	2.9000E-09	9439	3124	383
6.4000E+07	3.7300E-09	6.6000E+07	4.1200E-09	6.8000E+07	4.2700E-09	9439	3124	384
7.0000E+07	4.1900E-09	7.2000E+07	3.9900E-09	7.4000E+07	3.7400E-09	9439	3124	385
7.6000E+07	3.4600E-09	7.8000E+07	3.1500E-09	8.0000E+07	2.8800E-09	9439	3124	386
8.5000E+07	2.3900E-09	9.0000E+07	1.9800E-09	9.5000E+07	1.7500E-09	9439	3124	387
1.0000E+08	1.6000E-09					9439	3124	388
9.4239E+04	2.3900E+02	0	0	0	0	9439	3	389
-5.4304E+07	-5.4304E+07	0	0	1	1	9439	3125	390
	18	2				9439	3125	391
5.4531E+07	0.0000E+00	5.6000E+07	1.5200E-20	5.8000E+07	2.3400E-17	9439	3125	392
6.0000E+07	2.7200E-15	6.2000E+07	4.4000E-14	6.4000E+07	3.9500E-13	9439	3125	393
6.6000E+07	1.5500E-12	6.8000E+07	3.8900E-12	7.0000E+07	7.6200E-12	9439	3125	394
7.2000E+07	1.1700E-11	7.4000E+07	1.5500E-11	7.6000E+07	1.8400E-11	9439	3125	395
7.8000E+07	2.0200E-11	8.0000E+07	2.1000E-11	8.5000E+07	1.9600E-11	9439	3125	396
9.0000E+07	1.7100E-11	9.5000E+07	1.4600E-11	1.0000E+08	1.2700E-11	9439	3125	397
9.4239E+04	2.3900E+02	0	0	0	0	9439	3	398
-6.1026E+07	-6.1026E+07	0	0	1	1	9439	3126	399
	14	2				9439	3126	400
6.1282E+07	0.0000E+00	6.4000E+07	3.8900E-23	6.6000E+07	6.0500E-20	9439	3126	401
6.8000E+07	3.7300E-18	7.0000E+07	6.8100E-17	7.2000E+07	4.7000E-16	9439	3126	402
7.4000E+07	1.8400E-15	7.6000E+07	5.1200E-15	7.8000E+07	1.1200E-14	9439	3126	403
8.0000E+07	1.8800E-14	8.5000E+07	3.6500E-14	9.0000E+07	4.3200E-14	9439	3126	404

9.5000E+07	4.1500E-14	1.0000E+08	3.6500E-14				9439	3126	410
							9439	3	0
9.4239E+04	2.3900E+02	0	0	0			09439	3153	412
-3.9321E+06	-3.9321E+06	0	0	1			539439	3153	413
	53	2					9439	3153	414
3.9485E+06	0.0000E+00	1.3000E+07	6.0000E-04	1.4000E+07	1.4700E-03	9439	3153	415	
1.5000E+07	2.5500E-03	1.6000E+07	3.9600E-03	1.7000E+07	5.6200E-03	9439	3153	416	
1.8000E+07	6.3900E-03	1.9000E+07	8.8267E-03	2.0000E+07	1.1263E-02	9439	3153	417	
2.1000E+07	1.3700E-02	2.2000E+07	1.5100E-02	2.3000E+07	1.8600E-02	9439	3153	418	
2.4000E+07	2.2300E-02	2.5000E+07	2.6100E-02	2.6000E+07	2.7800E-02	9439	3153	419	
2.7000E+07	3.1300E-02	2.8000E+07	3.4500E-02	2.9000E+07	3.7200E-02	9439	3153	420	
3.0000E+07	3.9400E-02	3.1000E+07	4.0000E-02	3.2000E+07	4.1900E-02	9439	3153	421	
3.3000E+07	4.3200E-02	3.4000E+07	4.3400E-02	3.5000E+07	4.3300E-02	9439	3153	422	
3.6000E+07	4.3100E-02	3.7000E+07	4.1800E-02	3.8000E+07	4.1900E-02	9439	3153	423	
3.9000E+07	4.1800E-02	4.0000E+07	4.1900E-02	4.2000E+07	3.6900E-02	9439	3153	424	
4.4000E+07	3.6700E-02	4.6000E+07	3.6700E-02	4.8000E+07	3.6900E-02	9439	3153	425	
5.0000E+07	3.6700E-02	5.2000E+07	3.6700E-02	5.4000E+07	3.6900E-02	9439	3153	426	
5.6000E+07	3.6700E-02	5.8000E+07	3.7100E-02	6.0000E+07	3.7100E-02	9439	3153	427	
6.2000E+07	3.6900E-02	6.4000E+07	3.6700E-02	6.6000E+07	3.6600E-02	9439	3153	428	
6.8000E+07	3.6500E-02	7.0000E+07	3.6500E-02	7.2000E+07	3.6400E-02	9439	3153	429	
7.4000E+07	3.6200E-02	7.6000E+07	3.6300E-02	7.8000E+07	3.6100E-02	9439	3153	430	
8.0000E+07	3.6100E-02	8.5000E+07	3.5800E-02	9.0000E+07	3.5400E-02	9439	3153	431	
9.5000E+07	3.5000E-02	1.0000E+08	3.4500E-02			9439	3153	432	
						9439	3	0	
9.4239E+04	2.3900E+02	0	0	0			09439	3154	434
-9.4205E+06	-9.4205E+06	0	0	1			489439	3154	435
	48	2					9439	3154	436
9.4599E+06	0.0000E+00	1.8000E+07	1.8200E-09	1.9000E+07	3.5345E-06	9439	3154	437	
2.0000E+07	7.0673E-06	2.1000E+07	1.0600E-05	2.2000E+07	3.9200E-05	9439	3154	438	
2.3000E+07	1.1100E-04	2.4000E+07	2.6800E-04	2.5000E+07	5.5200E-04	9439	3154	439	
2.6000E+07	9.9500E-04	2.7000E+07	1.6700E-03	2.8000E+07	2.5500E-03	9439	3154	440	
2.9000E+07	3.7600E-03	3.0000E+07	5.3200E-03	3.1000E+07	6.8700E-03	9439	3154	441	
3.2000E+07	8.7600E-03	3.3000E+07	1.0900E-02	3.4000E+07	1.3700E-02	9439	3154	442	
3.5000E+07	1.6200E-02	3.6000E+07	1.8300E-02	3.7000E+07	2.0000E-02	9439	3154	443	
3.8000E+07	2.1700E-02	3.9000E+07	2.3200E-02	4.0000E+07	2.4700E-02	9439	3154	444	
4.2000E+07	2.6800E-02	4.4000E+07	2.8600E-02	4.6000E+07	2.9800E-02	9439	3154	445	
4.8000E+07	3.0100E-02	5.0000E+07	2.9300E-02	5.2000E+07	2.8200E-02	9439	3154	446	
5.4000E+07	2.7100E-02	5.6000E+07	2.6300E-02	5.8000E+07	2.5600E-02	9439	3154	447	
6.0000E+07	2.5300E-02	6.2000E+07	2.5000E-02	6.4000E+07	2.4800E-02	9439	3154	448	
6.6000E+07	2.4500E-02	6.8000E+07	2.4100E-02	7.0000E+07	2.3600E-02	9439	3154	449	
7.2000E+07	2.3500E-02	7.4000E+07	2.3500E-02	7.6000E+07	2.3400E-02	9439	3154	450	
7.8000E+07	2.3400E-02	8.0000E+07	2.3300E-02	8.5000E+07	2.3500E-02	9439	3154	451	
9.0000E+07	2.2800E-02	9.5000E+07	2.2400E-02	1.0000E+08	2.1800E-02	9439	3154	452	
						9439	3	0	
9.4239E+04	2.3900E+02	0	0	0			09439	3155	454
-1.6049E+07	-1.6049E+07	0	0	1			439439	3155	455
	43	2					9439	3155	456
1.6116E+07	0.0000E+00	2.3000E+07	2.9800E-12	2.4000E+07	3.3100E-10	9439	3155	457	
2.5000E+07	2.3500E-09	2.6000E+07	2.8700E-08	2.7000E+07	3.1300E-07	9439	3155	458	
2.8000E+07	1.7500E-06	2.9000E+07	7.2900E-06	3.0000E+07	2.2100E-05	9439	3155	459	
3.1000E+07	5.6700E-05	3.2000E+07	1.2000E-04	3.3000E+07	2.2600E-04	9439	3155	460	
3.4000E+07	3.8200E-04	3.5000E+07	5.9300E-04	3.6000E+07	8.5800E-04	9439	3155	461	
3.7000E+07	1.1800E-03	3.8000E+07	1.5300E-03	3.9000E+07	1.8800E-03	9439	3155	462	
4.0000E+07	2.3300E-03	4.2000E+07	3.5500E-03	4.4000E+07	4.6400E-03	9439	3155	463	
4.6000E+07	5.6600E-03	4.8000E+07	6.6800E-03	5.0000E+07	7.9200E-03	9439	3155	464	
5.2000E+07	9.0700E-03	5.4000E+07	1.0100E-02	5.6000E+07	1.0800E-02	9439	3155	465	
5.8000E+07	1.1200E-02	6.0000E+07	1.1300E-02	6.2000E+07	1.1200E-02	9439	3155	466	
6.4000E+07	1.1000E-02	6.6000E+07	1.0700E-02	6.8000E+07	1.0300E-02	9439	3155	467	
7.0000E+07	9.8700E-03	7.2000E+07	9.5300E-03	7.4000E+07	9.2500E-03	9439	3155	468	
7.6000E+07	8.9700E-03	7.8000E+07	8.7400E-03	8.0000E+07	8.5800E-03	9439	3155	469	
8.5000E+07	8.3600E-03	9.0000E+07	8.1300E-03	9.5000E+07	7.9400E-03	9439	3155	470	
1.0000E+08	7.7600E-03					9439	3155	471	
						9439	3	0	
9.4239E+04	2.3900E+02	0	0	0			09439	3156	473
-2.1734E+07	-2.1734E+07	0	0	1			379439	3156	474
	37	2					9439	3156	475
2.1825E+07	0.0000E+00	2.9000E+07	1.8200E-12	3.0000E+07	1.2800E-10	9439	3156	476	

3.1000E+07	1.1600E-09	3.2000E+07	8.5300E-09	3.3000E+07	6.9600E-08	9439	3156	477
3.4000E+07	3.9700E-07	3.5000E+07	1.7300E-06	3.6000E+07	5.6200E-06	9439	3156	478
3.7000E+07	1.5000E-05	3.8000E+07	3.2400E-05	3.9000E+07	5.4300E-05	9439	3156	479
4.0000E+07	9.5800E-05	4.2000E+07	2.2700E-04	4.4000E+07	4.3300E-04	9439	3156	480
4.6000E+07	6.9500E-04	4.8000E+07	1.0000E-03	5.0000E+07	1.3400E-03	9439	3156	481
5.2000E+07	1.7200E-03	5.4000E+07	2.0600E-03	5.6000E+07	2.3900E-03	9439	3156	482
5.8000E+07	2.7100E-03	6.0000E+07	3.0200E-03	6.2000E+07	3.3400E-03	9439	3156	483
6.4000E+07	3.6800E-03	6.6000E+07	3.9900E-03	6.8000E+07	4.3000E-03	9439	3156	484
7.0000E+07	4.5300E-03	7.2000E+07	4.6600E-03	7.4000E+07	4.7100E-03	9439	3156	485
7.6000E+07	4.7500E-03	7.8000E+07	4.7100E-03	8.0000E+07	4.4800E-03	9439	3156	486
8.5000E+07	4.3200E-03	9.0000E+07	4.0000E-03	9.5000E+07	3.8000E-03	9439	3156	487
1.0000E+08	3.6100E-03					9439	3156	488
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0	0	09439	3157	490
-2.8717E+07	-2.8717E+07	0	0	1	1	309439	3157	491
	30	2				9439	3157	492
2.8837E+07	0.0000E+00	3.6000E+07	6.2000E-15	3.7000E+07	2.0700E-12	9439	3157	493
3.8000E+07	3.6500E-11	3.9000E+07	2.8500E-10	4.0000E+07	1.6600E-09	9439	3157	494
4.2000E+07	4.9700E-08	4.4000E+07	5.7700E-07	4.6000E+07	3.7000E-06	9439	3157	495
4.8000E+07	1.4200E-05	5.0000E+07	3.7000E-05	5.2000E+07	7.4900E-05	9439	3157	496
5.4000E+07	1.2800E-04	5.6000E+07	1.8800E-04	5.8000E+07	2.4800E-04	9439	3157	497
6.0000E+07	3.1200E-04	6.2000E+07	3.7000E-04	6.4000E+07	4.2900E-04	9439	3157	498
6.6000E+07	4.8900E-04	6.8000E+07	5.4700E-04	7.0000E+07	6.1000E-04	9439	3157	499
7.2000E+07	6.7100E-04	7.4000E+07	7.2500E-04	7.6000E+07	7.7500E-04	9439	3157	500
7.8000E+07	8.1700E-04	8.0000E+07	8.7400E-04	8.5000E+07	9.6400E-04	9439	3157	501
9.0000E+07	1.0500E-03	9.5000E+07	1.0600E-03	1.0000E+08	1.0000E-03	9439	3157	502
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0	0	09439	3158	504
-3.4848E+07	-3.4848E+07	0	0	1	1	249439	3158	505
	24	2				9439	3158	506
3.4994E+07	0.0000E+00	4.4000E+07	7.4100E-13	4.6000E+07	6.5900E-11	9439	3158	507
4.8000E+07	1.9400E-09	5.0000E+07	2.6300E-08	5.2000E+07	1.9800E-07	9439	3158	508
5.4000E+07	9.8000E-07	5.6000E+07	2.9200E-06	5.8000E+07	7.0600E-06	9439	3158	509
6.0000E+07	1.4100E-05	6.2000E+07	2.3000E-05	6.4000E+07	3.3600E-05	9439	3158	510
6.6000E+07	4.4100E-05	6.8000E+07	5.4400E-05	7.0000E+07	6.4800E-05	9439	3158	511
7.2000E+07	7.4300E-05	7.4000E+07	8.4100E-05	7.6000E+07	9.4900E-05	9439	3158	512
7.8000E+07	1.0700E-04	8.0000E+07	1.1900E-04	8.5000E+07	1.4100E-04	9439	3158	513
9.0000E+07	1.6200E-04	9.5000E+07	1.8100E-04	1.0000E+08	2.0200E-04	9439	3158	514
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0	0	09439	3159	516
-4.2200E+07	-4.2200E+07	0	0	1	1	219439	3159	517
	21	2				9439	3159	518
4.2376E+07	0.0000E+00	5.0000E+07	1.9300E-17	5.2000E+07	8.6000E-14	9439	3159	519
5.4000E+07	7.0500E-12	5.6000E+07	1.2900E-10	5.8000E+07	1.6000E-09	9439	3159	520
6.0000E+07	1.3900E-08	6.2000E+07	7.2500E-08	6.4000E+07	2.7100E-07	9439	3159	521
6.6000E+07	6.9400E-07	6.8000E+07	1.4400E-06	7.0000E+07	2.5500E-06	9439	3159	522
7.2000E+07	3.9700E-06	7.4000E+07	5.5700E-06	7.6000E+07	6.8600E-06	9439	3159	523
7.8000E+07	8.6800E-06	8.0000E+07	1.0300E-05	8.5000E+07	1.3200E-05	9439	3159	524
9.0000E+07	1.6700E-05	9.5000E+07	2.0900E-05	1.0000E+08	2.4900E-05	9439	3159	525
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0	0	09439	3160	527
-4.8607E+07	-4.8607E+07	0	0	1	1	169439	3160	528
	16	2				9439	3160	529
4.8811E+07	0.0000E+00	6.0000E+07	1.0900E-14	6.2000E+07	2.9100E-13	9439	3160	530
6.4000E+07	5.5300E-12	6.6000E+07	5.2600E-11	6.8000E+07	3.5000E-10	9439	3160	531
7.0000E+07	1.5500E-09	7.2000E+07	5.1600E-09	7.4000E+07	1.3700E-08	9439	3160	532
7.6000E+07	2.4900E-08	7.8000E+07	4.9200E-08	8.0000E+07	8.2200E-08	9439	3160	533
8.5000E+07	1.7700E-07	9.0000E+07	2.6300E-07	9.5000E+07	3.3600E-07	9439	3160	534
1.0000E+08	4.2100E-07					9439	3160	535
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0	0	09439	3161	537
-5.6582E+07	-5.6582E+07	0	0	1	1	119439	3161	538
	11	2				9439	3161	539
5.6819E+07	0.0000E+00	7.0000E+07	5.4400E-16	7.2000E+07	9.4300E-15	9439	3161	540
7.4000E+07	1.1000E-13	7.6000E+07	5.7000E-13	7.8000E+07	3.2300E-12	9439	3161	541
8.0000E+07	1.3500E-11	8.5000E+07	1.5500E-10	9.0000E+07	6.1000E-10	9439	3161	542
9.5000E+07	1.3300E-09	1.0000E+08	2.0600E-09			9439	3161	543

							9439	3	0	544
9.4239E+04	2.3900E+02	0	0	0			09439	3162		545
-6.3083E+07	-6.3083E+07	0	0	1			109439	3162		546
10	2						9439	3162		547
6.3347E+07	0.0000E+00	7.2000E+07	2.0500E-24	7.4000E+07	1.1200E-21	9439	3162			548
7.6000E+07	8.5800E-20	7.8000E+07	3.3200E-18	8.0000E+07	5.2000E-17	9439	3162			549
8.5000E+07	6.7400E-15	9.0000E+07	1.4100E-13	9.5000E+07	1.0200E-12	9439	3162			550
1.0000E+08	3.5200E-12					9439	3162			551
						9439	3	0		552
9.4239E+04	2.3900E+02	0	0	0			09439	3174		553
-9.1574E+06	-9.1574E+06	0	0	1			369439	3174		554
36	2						9439	3174		555
9.1957E+06	0.0000E+00	3.0000E+07	3.8100E-11	3.1000E+07	3.3900E-09	9439	3174			556
3.2000E+07	1.9100E-08	3.3000E+07	8.2700E-08	3.4000E+07	2.4400E-07	9439	3174			557
3.5000E+07	6.0800E-07	3.6000E+07	1.3400E-06	3.7000E+07	2.8000E-06	9439	3174			558
3.8000E+07	5.4400E-06	3.9000E+07	1.0900E-05	4.0000E+07	2.1300E-05	9439	3174			559
4.2000E+07	1.1200E-04	4.4000E+07	2.9100E-04	4.6000E+07	5.7800E-04	9439	3174			560
4.8000E+07	9.3400E-04	5.0000E+07	1.3400E-03	5.2000E+07	1.7500E-03	9439	3174			561
5.4000E+07	2.1600E-03	5.6000E+07	2.4800E-03	5.8000E+07	2.7500E-03	9439	3174			562
6.0000E+07	2.9200E-03	6.2000E+07	3.0500E-03	6.4000E+07	3.1100E-03	9439	3174			563
6.6000E+07	3.2400E-03	6.8000E+07	3.2800E-03	7.0000E+07	3.2900E-03	9439	3174			564
7.2000E+07	3.3000E-03	7.4000E+07	3.3100E-03	7.6000E+07	3.3000E-03	9439	3174			565
7.8000E+07	3.2900E-03	8.0000E+07	3.3100E-03	8.5000E+07	3.3200E-03	9439	3174			566
9.0000E+07	3.2900E-03	9.5000E+07	3.2800E-03	1.0000E+08	3.2700E-03	9439	3174			567
						9439	3	0		568
9.4239E+04	2.3900E+02	0	0	0			09439	3175		569
1.1790E+07	1.1790E+07	0	0	1			629439	3175		570
62	2						9439	3175		571
1.0000E-05	0.0000E+00	4.0000E+06	2.3000E-09	5.0000E+06	4.4900E-08	9439	3175			572
6.0000E+06	2.5800E-07	7.0000E+06	1.0900E-06	8.0000E+06	3.8000E-06	9439	3175			573
9.0000E+06	1.1800E-05	1.0000E+07	3.2600E-05	1.1000E+07	8.3200E-05	9439	3175			574
1.2000E+07	1.8700E-04	1.3000E+07	3.6800E-04	1.4000E+07	6.3900E-04	9439	3175			575
1.5000E+07	9.9500E-04	1.6000E+07	1.4200E-03	1.7000E+07	1.8500E-03	9439	3175			576
1.8000E+07	2.2600E-03	1.9000E+07	2.4133E-03	2.0000E+07	2.5667E-03	9439	3175			577
2.1000E+07	2.7200E-03	2.2000E+07	2.8500E-03	2.3000E+07	2.8200E-03	9439	3175			578
2.4000E+07	2.7600E-03	2.5000E+07	2.6600E-03	2.6000E+07	2.5400E-03	9439	3175			579
2.7000E+07	2.4300E-03	2.8000E+07	2.2900E-03	2.9000E+07	2.1500E-03	9439	3175			580
3.0000E+07	2.0000E-03	3.1000E+07	1.8600E-03	3.2000E+07	1.7400E-03	9439	3175			581
3.3000E+07	1.6200E-03	3.4000E+07	1.5100E-03	3.5000E+07	1.3900E-03	9439	3175			582
3.6000E+07	1.2900E-03	3.7000E+07	1.1900E-03	3.8000E+07	1.0900E-03	9439	3175			583
3.9000E+07	1.0100E-03	4.0000E+07	9.1900E-04	4.2000E+07	7.9400E-04	9439	3175			584
4.4000E+07	6.7000E-04	4.6000E+07	5.7600E-04	4.8000E+07	5.0100E-04	9439	3175			585
5.0000E+07	4.4600E-04	5.2000E+07	4.2800E-04	5.4000E+07	4.6300E-04	9439	3175			586
5.6000E+07	5.5800E-04	5.8000E+07	7.2400E-04	6.0000E+07	9.3800E-04	9439	3175			587
6.2000E+07	1.1900E-03	6.4000E+07	1.4600E-03	6.6000E+07	1.6900E-03	9439	3175			588
6.8000E+07	1.9500E-03	7.0000E+07	2.1800E-03	7.2000E+07	2.2900E-03	9439	3175			589
7.4000E+07	2.4100E-03	7.6000E+07	2.5100E-03	7.8000E+07	2.5400E-03	9439	3175			590
8.0000E+07	2.5900E-03	8.5000E+07	2.5900E-03	9.0000E+07	2.5900E-03	9439	3175			591
9.5000E+07	2.5600E-03	1.0000E+08	2.5300E-03			9439	3175			592
						9439	3	0		593
9.4239E+04	2.3900E+02	0	0	0			09439	3176		594
5.2438E+06	5.2438E+06	0	0	1			559439	3176		595
55	2						9439	3176		596
1.0000E-05	0.0000E+00	1.1000E+07	8.4200E-08	1.2000E+07	5.0800E-07	9439	3176			597
1.3000E+07	1.8000E-06	1.4000E+07	5.8000E-06	1.5000E+07	1.7600E-05	9439	3176			598
1.6000E+07	4.8500E-05	1.7000E+07	1.2500E-04	1.8000E+07	2.8800E-04	9439	3176			599
1.9000E+07	7.2533E-04	2.0000E+07	1.1627E-03	2.1000E+07	1.6000E-03	9439	3176			600
2.2000E+07	2.1300E-03	2.3000E+07	2.7800E-03	2.4000E+07	3.3800E-03	9439	3176			601
2.5000E+07	3.8900E-03	2.6000E+07	4.2500E-03	2.7000E+07	4.4600E-03	9439	3176			602
2.8000E+07	4.5400E-03	2.9000E+07	4.5200E-03	3.0000E+07	4.4300E-03	9439	3176			603
3.1000E+07	4.2900E-03	3.2000E+07	4.1000E-03	3.3000E+07	3.8900E-03	9439	3176			604
3.4000E+07	3.6600E-03	3.5000E+07	3.4200E-03	3.6000E+07	3.1800E-03	9439	3176			605
3.7000E+07	2.9600E-03	3.8000E+07	2.7400E-03	3.9000E+07	2.5400E-03	9439	3176			606
4.0000E+07	2.3600E-03	4.2000E+07	2.0700E-03	4.4000E+07	1.7600E-03	9439	3176			607
4.6000E+07	1.4700E-03	4.8000E+07	1.2300E-03	5.0000E+07	1.0200E-03	9439	3176			608
5.2000E+07	8.6200E-04	5.4000E+07	7.3600E-04	5.6000E+07	6.2400E-04	9439	3176			609
5.8000E+07	5.2300E-04	6.0000E+07	4.2600E-04	6.2000E+07	3.5800E-04	9439	3176			610

6.4000E+07	3.1900E-04	6.6000E+07	2.9800E-04	6.8000E+07	3.1200E-04	9439	3176	611
7.0000E+07	3.6300E-04	7.2000E+07	4.6500E-04	7.4000E+07	5.8600E-04	9439	3176	612
7.6000E+07	7.4500E-04	7.8000E+07	9.0500E-04	8.0000E+07	1.0800E-03	9439	3176	613
8.5000E+07	1.4200E-03	9.0000E+07	1.6000E-03	9.5000E+07	1.6400E-03	9439	3176	614
1.0000E+08	1.6400E-03					9439	3176	615
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0		09439	3177	617
-5.4132E+04	-5.4132E+04	0	0	1		509439	3177	618
50	2					9439	3177	619
5.4359E+04	0.0000E+00	1.6000E+07	1.8700E-09	1.7000E+07	1.5200E-07	9439	3177	620
1.8000E+07	7.2400E-07	1.9000E+07	6.3827E-06	2.0000E+07	1.2041E-05	9439	3177	621
2.1000E+07	1.7700E-05	2.2000E+07	3.9700E-05	2.3000E+07	9.9100E-05	9439	3177	622
2.4000E+07	2.2000E-04	2.5000E+07	4.3700E-04	2.6000E+07	7.5200E-04	9439	3177	623
2.7000E+07	1.1400E-03	2.8000E+07	1.5900E-03	2.9000E+07	2.0800E-03	9439	3177	624
3.0000E+07	2.5700E-03	3.1000E+07	3.0200E-03	3.2000E+07	3.3900E-03	9439	3177	625
3.3000E+07	3.6700E-03	3.4000E+07	3.8500E-03	3.5000E+07	3.9200E-03	9439	3177	626
3.6000E+07	3.9000E-03	3.7000E+07	3.7300E-03	3.8000E+07	3.6100E-03	9439	3177	627
3.9000E+07	3.4800E-03	4.0000E+07	3.3000E-03	4.2000E+07	2.8100E-03	9439	3177	628
4.4000E+07	2.4600E-03	4.6000E+07	2.1200E-03	4.8000E+07	1.8500E-03	9439	3177	629
5.0000E+07	1.5900E-03	5.2000E+07	1.3100E-03	5.4000E+07	1.1000E-03	9439	3177	630
5.6000E+07	9.1800E-04	5.8000E+07	7.7800E-04	6.0000E+07	6.7500E-04	9439	3177	631
6.2000E+07	5.7100E-04	6.4000E+07	4.8100E-04	6.6000E+07	4.0400E-04	9439	3177	632
6.8000E+07	3.3300E-04	7.0000E+07	2.6800E-04	7.2000E+07	2.1500E-04	9439	3177	633
7.4000E+07	1.7700E-04	7.6000E+07	1.5200E-04	7.8000E+07	1.5600E-04	9439	3177	634
8.0000E+07	1.8500E-04	8.5000E+07	3.4200E-04	9.0000E+07	5.3200E-04	9439	3177	635
9.5000E+07	7.3500E-04	1.0000E+08	8.9500E-04			9439	3177	636
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0		09439	3178	638
-6.8979E+06	-6.8979E+06	0	0	1		439439	3178	639
43	2					9439	3178	640
6.9268E+06	0.0000E+00	2.3000E+07	3.3600E-12	2.4000E+07	5.3700E-09	9439	3178	641
2.5000E+07	6.2400E-08	2.6000E+07	2.8800E-07	2.7000E+07	9.3500E-07	9439	3178	642
2.8000E+07	2.6400E-06	2.9000E+07	7.1000E-06	3.0000E+07	1.8200E-05	9439	3178	643
3.1000E+07	4.3100E-05	3.2000E+07	9.2900E-05	3.3000E+07	1.8000E-04	9439	3178	644
3.4000E+07	3.1000E-04	3.5000E+07	4.9000E-04	3.6000E+07	6.8400E-04	9439	3178	645
3.7000E+07	9.2500E-04	3.8000E+07	1.1600E-03	3.9000E+07	1.3700E-03	9439	3178	646
4.0000E+07	1.5600E-03	4.2000E+07	1.7500E-03	4.4000E+07	1.8100E-03	9439	3178	647
4.6000E+07	1.7500E-03	4.8000E+07	1.6100E-03	5.0000E+07	1.4400E-03	9439	3178	648
5.2000E+07	1.2500E-03	5.4000E+07	1.0900E-03	5.6000E+07	9.3600E-04	9439	3178	649
5.8000E+07	8.0100E-04	6.0000E+07	6.7700E-04	6.2000E+07	5.6600E-04	9439	3178	650
6.4000E+07	4.7600E-04	6.6000E+07	4.0600E-04	6.8000E+07	3.4600E-04	9439	3178	651
7.0000E+07	2.9300E-04	7.2000E+07	2.4500E-04	7.4000E+07	2.0400E-04	9439	3178	652
7.6000E+07	1.6800E-04	7.8000E+07	1.3500E-04	8.0000E+07	1.0500E-04	9439	3178	653
8.5000E+07	4.8000E-05	9.0000E+07	4.1800E-05	9.5000E+07	8.5500E-05	9439	3178	654
1.0000E+08	1.4300E-04					9439	3178	655
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0		09439	3179	657
-1.2652E+07	-1.2652E+07	0	0	1		379439	3179	658
37	2					9439	3179	659
1.2705E+07	0.0000E+00	2.9000E+07	2.0800E-13	3.0000E+07	3.5700E-10	9439	3179	660
3.1000E+07	6.7300E-09	3.2000E+07	4.0700E-08	3.3000E+07	1.5900E-07	9439	3179	661
3.4000E+07	4.9200E-07	3.5000E+07	1.4400E-06	3.6000E+07	3.5100E-06	9439	3179	662
3.7000E+07	8.6700E-06	3.8000E+07	1.9300E-05	3.9000E+07	4.0300E-05	9439	3179	663
4.0000E+07	7.4100E-05	4.2000E+07	1.7600E-04	4.4000E+07	3.3800E-04	9439	3179	664
4.6000E+07	5.1400E-04	4.8000E+07	6.5700E-04	5.0000E+07	7.4700E-04	9439	3179	665
5.2000E+07	7.6700E-04	5.4000E+07	7.4600E-04	5.6000E+07	6.9600E-04	9439	3179	666
5.8000E+07	6.2600E-04	6.0000E+07	5.5400E-04	6.2000E+07	4.8400E-04	9439	3179	667
6.4000E+07	4.2100E-04	6.6000E+07	3.6200E-04	6.8000E+07	3.1000E-04	9439	3179	668
7.0000E+07	2.6300E-04	7.2000E+07	2.2200E-04	7.4000E+07	1.8800E-04	9439	3179	669
7.6000E+07	1.6000E-04	7.8000E+07	1.3700E-04	8.0000E+07	1.1600E-04	9439	3179	670
8.5000E+07	7.1700E-05	9.0000E+07	3.2000E-05	9.5000E+07	1.3100E-05	9439	3179	671
1.0000E+08	1.2800E-05					9439	3179	672
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0		09439	3180	674
-1.9907E+07	-1.9907E+07	0	0	1		299439	3180	675
29	2					9439	3180	676
1.9990E+07	0.0000E+00	3.7000E+07	5.0600E-13	3.8000E+07	4.0400E-11	9439	3180	677

3.9000E+07	6.0200E-10	4.0000E+07	3.9900E-09	4.2000E+07	5.9800E-08	9439	3180	678
4.4000E+07	4.7500E-07	4.6000E+07	2.7800E-06	4.8000E+07	1.0800E-05	9439	3180	679
5.0000E+07	3.3300E-05	5.2000E+07	7.4800E-05	5.4000E+07	1.2200E-04	9439	3180	680
5.6000E+07	1.7200E-04	5.8000E+07	2.0900E-04	6.0000E+07	2.3000E-04	9439	3180	681
6.2000E+07	2.3400E-04	6.4000E+07	2.2600E-04	6.6000E+07	2.0900E-04	9439	3180	682
6.8000E+07	1.8900E-04	7.0000E+07	1.6700E-04	7.2000E+07	1.4600E-04	9439	3180	683
7.4000E+07	1.2600E-04	7.6000E+07	1.0800E-04	7.8000E+07	9.2400E-05	9439	3180	684
8.0000E+07	7.8300E-05	8.5000E+07	5.1000E-05	9.0000E+07	3.4700E-05	9439	3180	685
9.5000E+07	2.1300E-05	1.0000E+08	1.0600E-05			9439	3180	686
						9439	3	0
9.4239E+04	2.3900E+02	0	0	0		09439	3181	688
-2.5805E+07	-2.5805E+07	0	0	1		249439	3181	689
	24	2				9439	3181	690
2.5913E+07	0.0000E+00	4.4000E+07	1.0300E-12	4.6000E+07	1.2900E-10	9439	3181	691
4.8000E+07	2.0500E-09	5.0000E+07	2.0900E-08	5.2000E+07	1.5300E-07	9439	3181	692
5.4000E+07	7.0100E-07	5.6000E+07	2.5200E-06	5.8000E+07	6.4500E-06	9439	3181	693
6.0000E+07	1.2700E-05	6.2000E+07	2.0200E-05	6.4000E+07	2.7600E-05	9439	3181	694
6.6000E+07	3.3400E-05	6.8000E+07	3.7100E-05	7.0000E+07	3.8400E-05	9439	3181	695
7.2000E+07	3.7600E-05	7.4000E+07	3.5400E-05	7.6000E+07	3.2400E-05	9439	3181	696
7.8000E+07	2.9100E-05	8.0000E+07	2.5700E-05	8.5000E+07	1.7800E-05	9439	3181	697
9.0000E+07	1.2100E-05	9.5000E+07	8.1400E-06	1.0000E+08	5.3100E-06	9439	3	0
						9439	3182	700
9.4239E+04	2.3900E+02	0	0	0		09439	3182	701
-3.3471E+07	-3.3471E+07	0	0	1		209439	3182	702
	20	2				9439	3182	703
3.3611E+07	0.0000E+00	5.2000E+07	9.8300E-15	5.4000E+07	1.1700E-12	9439	3182	704
5.6000E+07	2.8000E-11	5.8000E+07	3.3600E-10	6.0000E+07	2.2400E-09	9439	3182	705
6.2000E+07	1.2200E-08	6.4000E+07	5.0100E-08	6.6000E+07	1.4500E-07	9439	3182	706
6.8000E+07	3.3900E-07	7.0000E+07	6.4300E-07	7.2000E+07	1.0100E-06	9439	3182	707
7.4000E+07	1.3600E-06	7.6000E+07	1.6900E-06	7.8000E+07	1.9000E-06	9439	3182	708
8.0000E+07	2.0200E-06	8.5000E+07	1.8900E-06	9.0000E+07	1.4900E-06	9439	3182	709
9.5000E+07	1.0600E-06	1.0000E+08	7.3200E-07			9439	3	0
						9439	3183	711
9.4239E+04	2.3900E+02	0	0	0		09439	3183	712
-3.9941E+07	-3.9941E+07	0	0	1		179439	3183	713
	17	2				9439	3183	714
4.0108E+07	0.0000E+00	5.8000E+07	5.3300E-18	6.0000E+07	1.6000E-15	9439	3183	715
6.2000E+07	5.4300E-14	6.4000E+07	9.7000E-13	6.6000E+07	8.9400E-12	9439	3183	716
6.8000E+07	6.3900E-11	7.0000E+07	3.5800E-10	7.2000E+07	1.3500E-09	9439	3183	717
7.4000E+07	3.6700E-09	7.6000E+07	8.3200E-09	7.8000E+07	1.5200E-08	9439	3183	718
8.0000E+07	2.4600E-08	8.5000E+07	4.7800E-08	9.0000E+07	5.8200E-08	9439	3183	719
9.5000E+07	5.4500E-08	1.0000E+08	4.4200E-08			9439	3	0
						9439	0	0
						0	0	0
						-1	0	0
						0	0	0
Pu-240	WIND							
9.4240E+04	2.4000E+02	-1	0	99		19440	1451	1
0.0000E+00	0.0000E+00	0	0	0		69440	1451	2
1.0000E+00	0.0000E+00	0	0	10		29440	1451	3
0.0000E+00	0.0000E+00	0	0	67		339440	1451	4
94-Pu-240	INPE				EVAL-SEP94 YU.A.KOROVIN ET.AL.	9440	1451	5
					DIST-OCT94	9440	1451	6
----	WIND				MATERIAL 9440	9440	1451	7
-----	INCIDENT-NEUTRON DATA					9440	1451	8
-----	ENDF-6 FORMAT					9440	1451	9
AUTHORS OF EVALUATION:	A.YU.KONOBAYEV , YU.A.KOROVIN ,					9440	1451	10
	P.E.PERESLAVTSEV, V.I.PLYASKIN					9440	1451	11
						9440	1451	12
FILE OF ACTINIDE DATA LIBRARY WIND						9440	1451	13
ENERGY OF PROJECTILE: 0-100 MEV						9440	1451	14
REFERENCE: KERNTHECHNIK, 1994, V.59, P.87						9440	1451	15
						9440	1451	16
CONTENT OF FILE:						9440	1451	17
						9440	1451	18
MF = 1 GENERAL INFORMATION						9440	1451	19
						9440	1451	20

MT = 451	COMMENTS AND DICTIONARY		9440	1451	21
			9440	1451	22
MF = 3	NEUTRON CROSS-SECTIONS		9440	1451	23
			9440	1451	24
(N,2N)	REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM ENDF/B-VI		9440	1451	25
(N,3N)	REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM ENDF/B-VI		9440	1451	26
(N,F)	REACTION CROSS-SECTIONS BELOW 17 MEV ARE FROM ENDF/B-VI		9440	1451	27
	THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR		9440	1451	28
	SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA		9440	1451	29
	AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION		9440	1451	30
	IS AVAILABLE FROM THE AUTHORS AFTER REQUEST		9440	1451	31
			9440	1451	32
	MT=16,17,18,37,103,111 ARE STANDARD ENDF-6 SECTIONS,		9440	1451	33
	OTHER MT NUMBERS ARE NEW ASSIGNED		9440	1451	34
	IN FOLLOWING DESCRIPTION "(N,X)" MEANS SUM CROSS-SECTIONS OF		9440	1451	35
	ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT		9440	1451	36
	RADIOACTIVE DECAY TAKEN INTO ACCOUNT		9440	1451	37
			9440	1451	38
MT = 16	(N,2N)	CROSS-SECTION (Pu239 PRODUCTION)	9440	1451	39
MT = 17	(N,3N)	CROSS-SECTION (Pu238 PRODUCTION)	9440	1451	40
MT = 18	(N,F) FISSION	CROSS-SECTION	9440	1451	41
MT = 37	(N,4N)	CROSS-SECTION (Pu237 PRODUCTION)	9440	1451	42
MT =103	(N,P)	CROSS-SECTION (Np240 PRODUCTION)	9440	1451	43
MT =111	(N,2P)	CROSS-SECTION (U239 PRODUCTION)	9440	1451	44
MT =121	(N,5N)	CROSS-SECTION (Pu236 PRODUCTION)	9440	1451	45
MT =122	(N,6N)	CROSS-SECTION (Pu235 PRODUCTION)	9440	1451	46
MT =123	(N,7N)	CROSS-SECTION (Pu234 PRODUCTION)	9440	1451	47
MT =124	(N,8N)	CROSS-SECTION (Pu233 PRODUCTION)	9440	1451	48
MT =125	(N,9N)	CROSS-SECTION (Pu232 PRODUCTION)	9440	1451	49
MT =126	(N,10N)	CROSS-SECTION (Pu231 PRODUCTION)	9440	1451	50
MT =153	(N,NP) + (N,D)	CROSS-SECTION (Np239 PRODUCTION)	9440	1451	51
MT =154	(N,2NP) + (N,ND)	CROSS-SECTION (Np238 PRODUCTION)	9440	1451	52
MT =155	(N,3NP) + (N,2ND)	CROSS-SECTION (Np237 PRODUCTION)	9440	1451	53
MT =156	(N,4NP) + (N,3ND)	CROSS-SECTION (Np236 PRODUCTION)	9440	1451	54
MT =157	(N,5NP) + (N,4ND)	CROSS-SECTION (Np235 PRODUCTION)	9440	1451	55
MT =158	(N,6NP) + (N,5ND)	CROSS-SECTION (Np234 PRODUCTION)	9440	1451	56
MT =159	(N,7NP) + (N,6ND)	CROSS-SECTION (Np233 PRODUCTION)	9440	1451	57
MT =160	(N,8NP) + (N,7ND)	CROSS-SECTION (Np232 PRODUCTION)	9440	1451	58
MT =161	(N,9NP) + (N,8ND)	CROSS-SECTION (Np231 PRODUCTION)	9440	1451	59
MT =162	(N,10NP) + (N,9ND)	CROSS-SECTION (Np230 PRODUCTION)	9440	1451	60
MT =174	(N,N2P) + (N,PD)	CROSS-SECTION (U238 PRODUCTION)	9440	1451	61
MT =175	(N,2N2P) + (N,X)	CROSS-SECTION (U237 PRODUCTION)	9440	1451	62
MT =176	(N,3N2P) + (N,X)	CROSS-SECTION (U236 PRODUCTION)	9440	1451	63
MT =177	(N,4N2P) + (N,X)	CROSS-SECTION (U235 PRODUCTION)	9440	1451	64
MT =178	(N,5N2P) + (N,X)	CROSS-SECTION (U234 PRODUCTION)	9440	1451	65
MT =179	(N,6N2P) + (N,X)	CROSS-SECTION (U233 PRODUCTION)	9440	1451	66
MT =180	(N,7N2P) + (N,X)	CROSS-SECTION (U232 PRODUCTION)	9440	1451	67
MT =181	(N,8N2P) + (N,X)	CROSS-SECTION (U231 PRODUCTION)	9440	1451	68
MT =182	(N,9N2P) + (N,X)	CROSS-SECTION (U230 PRODUCTION)	9440	1451	69
MT =183	(N,10N2P) + (N,X)	CROSS-SECTION (U229 PRODUCTION)	9440	1451	70
			9440	1451	71
	1	451	104	19440	1451
	3	16	27	19440	1451
	3	17	24	19440	1451
	3	18	50	19440	1451
	3	37	18	19440	1451
	3	103	23	19440	1451
	3	111	18	19440	1451
	3	121	17	19440	1451
	3	122	14	19440	1451
	3	123	12	19440	1451
	3	124	11	19440	1451
	3	125	9	19440	1451
	3	126	8	19440	1451
	3	153	21	19440	1451
	3	154	18	19440	1451
	3	155	17	19440	1451

			3	156	15	19440	1451	88	
			3	157	13	19440	1451	89	
			3	158	11	19440	1451	90	
			3	159	10	19440	1451	91	
			3	160	9	19440	1451	92	
			3	161	8	19440	1451	93	
			3	162	7	19440	1451	94	
			3	174	16	19440	1451	95	
			3	175	23	19440	1451	96	
			3	176	22	19440	1451	97	
			3	177	20	19440	1451	98	
			3	178	18	19440	1451	99	
			3	179	15	19440	1451	100	
			3	180	13	19440	1451	101	
			3	181	11	19440	1451	102	
			3	182	10	19440	1451	103	
			3	183	9	19440	1451	104	
						9440	1	0	105
						9440	0	0	106
9.4240E+04	2.4000E+02		0	0	0	09440	3	16	107
-6.5335E+06	-6.5335E+06		0	0	1	709440	3	16	108
	70	2				9440	3	16	109
6.5607E+06	0.0000E+00	7.0000E+06	1.4490E-02	7.5000E+06	6.2000E-02	9440	3	16	110
8.0000E+06	1.8730E-01	8.5000E+06	2.6000E-01	9.0000E+06	2.9910E-01	9440	3	16	111
9.5000E+06	3.3829E-01	1.0000E+07	3.8020E-01	1.0500E+07	4.1015E-01	9440	3	16	112
1.1000E+07	4.4090E-01	1.1500E+07	4.5726E-01	1.2000E+07	4.7350E-01	9440	3	16	113
1.2240E+07	4.7441E-01	1.2500E+07	4.7538E-01	1.3000E+07	4.7720E-01	9440	3	16	114
1.3500E+07	4.6836E-01	1.4000E+07	4.6000E-01	1.4500E+07	4.2300E-01	9440	3	16	115
1.5000E+07	3.6300E-01	1.5500E+07	3.0082E-01	1.6000E+07	2.5078E-01	9440	3	16	116
1.6500E+07	2.1024E-01	1.7000E+07	1.7719E-01	1.8000E+07	1.4335E-01	9440	3	16	117
1.9000E+07	1.1834E-01	2.0000E+07	1.0404E-01	2.1000E+07	8.9474E-02	9440	3	16	118
2.2000E+07	7.8691E-02	2.3000E+07	7.2715E-02	2.4000E+07	6.8570E-02	9440	3	16	119
2.5000E+07	6.7077E-02	2.6000E+07	6.2853E-02	2.7000E+07	6.0411E-02	9440	3	16	120
2.8000E+07	5.8166E-02	2.9000E+07	5.6327E-02	3.0000E+07	5.4904E-02	9440	3	16	121
3.1000E+07	5.3406E-02	3.2000E+07	5.2538E-02	3.3000E+07	5.2208E-02	9440	3	16	122
3.4000E+07	5.1420E-02	3.5000E+07	5.0681E-02	3.6000E+07	5.0094E-02	9440	3	16	123
3.7000E+07	4.9263E-02	3.8000E+07	4.8891E-02	3.9000E+07	4.8482E-02	9440	3	16	124
4.0000E+07	4.8239E-02	4.2000E+07	4.5458E-02	4.4000E+07	4.4666E-02	9440	3	16	125
4.6000E+07	4.3778E-02	4.8000E+07	4.3406E-02	5.0000E+07	4.2659E-02	9440	3	16	126
5.2000E+07	4.2047E-02	5.4000E+07	4.1276E-02	5.6000E+07	4.0754E-02	9440	3	16	127
5.8000E+07	4.0184E-02	6.0000E+07	3.9773E-02	6.2000E+07	3.9423E-02	9440	3	16	128
6.4000E+07	3.8939E-02	6.6000E+07	3.8224E-02	6.8000E+07	3.7781E-02	9440	3	16	129
7.0000E+07	3.7011E-02	7.2000E+07	3.6517E-02	7.4000E+07	3.5902E-02	9440	3	16	130
7.6000E+07	3.5466E-02	7.8000E+07	3.4812E-02	8.0000E+07	3.4440E-02	9440	3	16	131
8.5000E+07	3.3493E-02	9.0000E+07	3.2462E-02	9.5000E+07	3.1461E-02	9440	3	16	132
1.0000E+08	3.0400E-02					9440	3	16	133
						9440	3	0	134
9.4240E+04	2.4000E+02		0	0	0	09440	3	17	135
-1.2189E+07	-1.2189E+07		0	0	1	619440	3	17	136
	61	2				9440	3	17	137
1.2240E+07	0.0000E+00	1.2500E+07	1.3000E-03	1.3000E+07	4.8000E-03	9440	3	17	138
1.3500E+07	1.3600E-02	1.4000E+07	2.7500E-02	1.4500E+07	4.7500E-02	9440	3	17	139
1.5000E+07	6.8200E-02	1.5500E+07	8.1000E-02	1.6000E+07	9.3500E-02	9440	3	17	140
1.6500E+07	1.0600E-01	1.7000E+07	1.1800E-01	1.7500E+07	1.3100E-01	9440	3	17	141
1.8000E+07	1.4140E-01	1.8500E+07	1.4500E-01	1.9000E+07	1.4900E-01	9440	3	17	142
1.9500E+07	1.5100E-01	2.0000E+07	1.5280E-01	2.1000E+07	1.5700E-01	9440	3	17	143
2.2000E+07	1.3773E-01	2.3000E+07	1.1430E-01	2.4000E+07	9.1747E-02	9440	3	17	144
2.5000E+07	7.4376E-02	2.6000E+07	6.0003E-02	2.7000E+07	4.9639E-02	9440	3	17	145
2.8000E+07	4.2094E-02	2.9000E+07	3.6476E-02	3.0000E+07	3.1692E-02	9440	3	17	146
3.1000E+07	2.8350E-02	3.2000E+07	2.5754E-02	3.3000E+07	2.3809E-02	9440	3	17	147
3.4000E+07	2.1820E-02	3.5000E+07	2.0390E-02	3.6000E+07	1.9023E-02	9440	3	17	148
3.7000E+07	1.8121E-02	3.8000E+07	1.6989E-02	3.9000E+07	1.6327E-02	9440	3	17	149
4.0000E+07	1.5838E-02	4.2000E+07	1.5329E-02	4.4000E+07	1.4847E-02	9440	3	17	150
4.6000E+07	1.4404E-02	4.8000E+07	1.3905E-02	5.0000E+07	1.3759E-02	9440	3	17	151
5.2000E+07	1.3670E-02	5.4000E+07	1.3543E-02	5.6000E+07	1.3582E-02	9440	3	17	152
5.8000E+07	1.3291E-02	6.0000E+07	1.3172E-02	6.2000E+07	1.2829E-02	9440	3	17	153
6.4000E+07	1.2764E-02	6.6000E+07	1.2679E-02	6.8000E+07	1.2675E-02	9440	3	17	154

7.0000E+07	1.2554E-02	7.2000E+07	1.2417E-02	7.4000E+07	1.2467E-02	9440	3	17	155
7.6000E+07	1.2303E-02	7.8000E+07	1.1527E-02	8.0000E+07	1.1540E-02	9440	3	17	156
8.5000E+07	1.1228E-02	9.0000E+07	1.1062E-02	9.5000E+07	1.0950E-02	9440	3	17	157
1.0000E+08	1.0700E-02					9440	3	17	158
						9440	3	0	159
9.4240E+04	2.4000E+02	0	0	0	0	09440	3	18	160
1.9947E+08	1.9947E+08	0	0	1		1399440	3	18	161
	139	2				9440	3	18	162
1.0000E+05	7.4800E-02	1.1000E+05	7.3140E-02	1.2000E+05	7.1810E-02	9440	3	18	163
1.3000E+05	7.2120E-02	1.4000E+05	7.2770E-02	1.4230E+05	7.2650E-02	9440	3	18	164
1.5000E+05	7.1120E-02	1.6000E+05	7.1010E-02	1.7000E+05	7.5710E-02	9440	3	18	165
1.8000E+05	8.0780E-02	1.9000E+05	8.6500E-02	2.0000E+05	8.9990E-02	9440	3	18	166
2.2000E+05	9.8700E-02	2.4000E+05	1.0690E-01	2.6000E+05	1.1680E-01	9440	3	18	167
2.8000E+05	1.2470E-01	2.9524E+05	1.3290E-01	3.0000E+05	1.3280E-01	9440	3	18	168
3.5000E+05	1.6640E-01	4.0000E+05	2.0180E-01	4.5000E+05	2.8780E-01	9440	3	18	169
5.0009E+05	4.1810E-01	5.5000E+05	5.8850E-01	5.9951E+05	7.3440E-01	9440	3	18	170
6.5173E+05	8.6020E-01	7.0000E+05	9.4580E-01	7.4512E+05	1.0460E+00	9440	3	18	171
8.0000E+05	1.1860E+00	8.5000E+05	1.2920E+00	8.6432E+05	1.3320E+00	9440	3	18	172
9.0378E+05	1.4220E+00	9.4194E+05	1.4803E+00	9.6303E+05	1.4997E+00	9440	3	18	173
9.9717E+05	1.5184E+00	1.0062E+06	1.5228E+00	1.0353E+06	1.5359E+00	9440	3	18	174
1.0424E+06	1.5391E+00	1.0805E+06	1.5562E+00	1.0943E+06	1.5624E+00	9440	3	18	175
1.1207E+06	1.5619E+00	1.1423E+06	1.5587E+00	1.1448E+06	1.5583E+00	9440	3	18	176
1.1500E+06	1.5575E+00	1.2000E+06	1.5500E+00	1.3000E+06	1.5520E+00	9440	3	18	177
1.4000E+06	1.5680E+00	1.4260E+06	1.5630E+00	1.5000E+06	1.5900E+00	9440	3	18	178
1.6000E+06	1.6190E+00	1.7000E+06	1.6500E+00	1.8000E+06	1.6800E+00	9440	3	18	179
1.9000E+06	1.7200E+00	2.0083E+06	1.7500E+00	2.2000E+06	1.7400E+00	9440	3	18	180
2.4000E+06	1.7000E+00	2.5000E+06	1.6920E+00	2.6000E+06	1.6930E+00	9440	3	18	181
2.8000E+06	1.7030E+00	3.0125E+06	1.6953E+00	3.5000E+06	1.6468E+00	9440	3	18	182
4.0167E+06	1.5864E+00	4.5000E+06	1.5527E+00	5.0208E+06	1.4889E+00	9440	3	18	183
5.5000E+06	1.5108E+00	6.0000E+06	1.6269E+00	6.5000E+06	1.8932E+00	9440	3	18	184
6.5607E+06	1.9250E+00	7.0000E+06	2.0577E+00	7.5000E+06	2.1711E+00	9440	3	18	185
8.0000E+06	2.2293E+00	8.5000E+06	2.2293E+00	9.0000E+06	2.2185E+00	9440	3	18	186
9.5000E+06	2.2131E+00	1.0000E+07	2.2068E+00	1.0500E+07	2.1812E+00	9440	3	18	187
1.1000E+07	2.1650E+00	1.1500E+07	2.1408E+00	1.2000E+07	2.1300E+00	9440	3	18	188
1.2240E+07	2.1200E+00	1.2500E+07	2.1070E+00	1.3000E+07	2.1000E+00	9440	3	18	189
1.3500E+07	2.1400E+00	1.4000E+07	2.1940E+00	1.4500E+07	2.2680E+00	9440	3	18	190
1.5000E+07	2.3300E+00	1.5500E+07	2.3300E+00	1.6000E+07	2.2900E+00	9440	3	18	191
1.6500E+07	2.2650E+00	1.7000E+07	2.2350E+00	1.7500E+07	2.1900E+00	9440	3	18	192
1.8000E+07	2.1550E+00	1.8500E+07	2.1350E+00	1.9000E+07	2.1150E+00	9440	3	18	193
1.9500E+07	2.1080E+00	2.0000E+07	2.1300E+00	2.1000E+07	2.1475E+00	9440	3	18	194
2.2000E+07	2.1594E+00	2.3000E+07	2.1679E+00	2.4000E+07	2.1780E+00	9440	3	18	195
2.5000E+07	2.1879E+00	2.6000E+07	2.1981E+00	2.7000E+07	2.1993E+00	9440	3	18	196
2.8000E+07	2.1950E+00	2.9000E+07	2.1881E+00	3.0000E+07	2.1829E+00	9440	3	18	197
3.1000E+07	2.1812E+00	3.2000E+07	2.1788E+00	3.3000E+07	2.1761E+00	9440	3	18	198
3.4000E+07	2.1731E+00	3.5000E+07	2.1683E+00	3.6000E+07	2.1632E+00	9440	3	18	199
3.7000E+07	2.1590E+00	3.8000E+07	2.1533E+00	3.9000E+07	2.1469E+00	9440	3	18	200
4.0000E+07	2.1427E+00	4.2000E+07	2.1381E+00	4.4000E+07	2.1250E+00	9440	3	18	201
4.6000E+07	2.1111E+00	4.8000E+07	2.0985E+00	5.0000E+07	2.0860E+00	9440	3	18	202
5.2000E+07	2.0742E+00	5.4000E+07	2.0616E+00	5.6000E+07	2.0501E+00	9440	3	18	203
5.8000E+07	2.0384E+00	6.0000E+07	2.0263E+00	6.2000E+07	2.0225E+00	9440	3	18	204
6.4000E+07	2.0104E+00	6.6000E+07	1.9988E+00	6.8000E+07	1.9873E+00	9440	3	18	205
7.0000E+07	1.9749E+00	7.2000E+07	1.9638E+00	7.4000E+07	1.9524E+00	9440	3	18	206
7.6000E+07	1.9417E+00	7.8000E+07	1.9320E+00	8.0000E+07	1.9213E+00	9440	3	18	207
8.5000E+07	1.8950E+00	9.0000E+07	1.8700E+00	9.5000E+07	1.8448E+00	9440	3	18	208
1.0000E+08	1.8216E+00					9440	3	18	209
						9440	3	0	210
9.4240E+04	2.4000E+02	0	0	0	0	09440	3	37	211
-1.9179E+07	-1.9179E+07	0	0	1		459440	3	37	212
	45	2				9440	3	37	213
1.9259E+07	0.0000E+00	2.1000E+07	6.9000E-04	2.2000E+07	4.0300E-03	9440	3	37	214
2.3000E+07	9.9100E-03	2.4000E+07	1.6500E-02	2.5000E+07	2.2100E-02	9440	3	37	215
2.6000E+07	2.7000E-02	2.7000E+07	3.0700E-02	2.8000E+07	3.3100E-02	9440	3	37	216
2.9000E+07	3.3600E-02	3.0000E+07	3.2100E-02	3.1000E+07	2.9200E-02	9440	3	37	217
3.2000E+07	2.5900E-02	3.3000E+07	2.2700E-02	3.4000E+07	1.9800E-02	9440	3	37	218
3.5000E+07	1.7300E-02	3.6000E+07	1.5200E-02	3.7000E+07	1.3400E-02	9440	3	37	219
3.8000E+07	1.2100E-02	3.9000E+07	1.0900E-02	4.0000E+07	9.9300E-03	9440	3	37	220
4.2000E+07	8.0000E-03	4.4000E+07	6.9300E-03	4.6000E+07	6.1400E-03	9440	3	37	221

4.8000E+07	5.5500E-03	5.0000E+07	5.0900E-03	5.2000E+07	4.7300E-039440	3	37	222
5.4000E+07	4.4300E-03	5.6000E+07	4.1600E-03	5.8000E+07	3.9500E-039440	3	37	223
6.0000E+07	3.7900E-03	6.2000E+07	3.6500E-03	6.4000E+07	3.5000E-039440	3	37	224
6.6000E+07	3.3700E-03	6.8000E+07	3.2700E-03	7.0000E+07	3.1600E-039440	3	37	225
7.2000E+07	3.0700E-03	7.4000E+07	2.9900E-03	7.6000E+07	2.9100E-039440	3	37	226
7.8000E+07	2.8300E-03	8.0000E+07	2.7700E-03	8.5000E+07	2.6200E-039440	3	37	227
9.0000E+07	2.4800E-03	9.5000E+07	2.3600E-03	1.0000E+08	2.2400E-039440	3	37	228
					9440	3	0	229
9.4240E+04	2.4000E+02	0	0	0	09440	3103		230
-1.3047E+06	-1.3047E+06	0	0	1	589440	3103		231
58	2				9440	3103		232
1.3102E+06	0.0000E+00	8.0000E+06	4.9000E-06	9.0000E+06	6.1000E-059440	3103		233
1.0000E+07	2.3300E-04	1.1000E+07	5.6800E-04	1.2000E+07	1.3400E-039440	3103		234
1.3000E+07	2.6500E-03	1.4000E+07	4.1900E-03	1.5000E+07	7.0000E-039440	3103		235
1.6000E+07	1.0600E-02	1.7000E+07	1.4600E-02	1.8000E+07	1.7200E-029440	3103		236
1.9000E+07	2.1100E-02	2.0000E+07	2.3950E-02	2.1000E+07	2.6800E-029440	3103		237
2.2000E+07	2.7700E-02	2.3000E+07	2.9800E-02	2.4000E+07	3.1700E-029440	3103		238
2.5000E+07	3.3300E-02	2.6000E+07	3.3700E-02	2.7000E+07	3.4300E-029440	3103		239
2.8000E+07	3.4500E-02	2.9000E+07	3.4800E-02	3.0000E+07	3.5000E-029440	3103		240
3.1000E+07	3.5000E-02	3.2000E+07	3.5300E-02	3.3000E+07	3.5400E-029440	3103		241
3.4000E+07	3.5200E-02	3.5000E+07	3.5000E-02	3.6000E+07	3.4700E-029440	3103		242
3.7000E+07	3.4200E-02	3.8000E+07	3.4000E-02	3.9000E+07	3.3700E-029440	3103		243
4.0000E+07	3.3500E-02	4.2000E+07	3.3500E-02	4.4000E+07	3.2700E-029440	3103		244
4.6000E+07	3.1900E-02	4.8000E+07	3.1100E-02	5.0000E+07	3.0300E-029440	3103		245
5.2000E+07	2.9400E-02	5.4000E+07	2.8600E-02	5.6000E+07	2.7800E-029440	3103		246
5.8000E+07	2.7100E-02	6.0000E+07	2.6300E-02	6.2000E+07	2.5600E-029440	3103		247
6.4000E+07	2.4900E-02	6.6000E+07	2.4200E-02	6.8000E+07	2.3500E-029440	3103		248
7.0000E+07	2.2900E-02	7.2000E+07	2.2300E-02	7.4000E+07	2.1700E-029440	3103		249
7.6000E+07	2.1100E-02	7.8000E+07	2.0500E-02	8.0000E+07	2.0000E-029440	3103		250
8.5000E+07	1.8800E-02	9.0000E+07	1.7600E-02	9.5000E+07	1.6600E-029440	3103		251
1.0000E+08	1.5600E-02				9440	3103		252
					9440	3	0	253
9.4240E+04	2.4000E+02	0	0	0	09440	3111		254
-6.9562E+06	-6.9562E+06	0	0	1	459440	3111		255
45	2				9440	3111		256
6.9851E+06	0.0000E+00	2.1000E+07	5.5100E-07	2.2000E+07	3.1300E-069440	3111		257
2.3000E+07	1.1600E-05	2.4000E+07	3.2400E-05	2.5000E+07	7.3200E-059440	3111		258
2.6000E+07	1.2800E-04	2.7000E+07	2.1900E-04	2.8000E+07	3.3800E-049440	3111		259
2.9000E+07	4.8500E-04	3.0000E+07	6.6000E-04	3.1000E+07	8.0500E-049440	3111		260
3.2000E+07	1.0300E-03	3.3000E+07	1.2700E-03	3.4000E+07	1.5200E-039440	3111		261
3.5000E+07	1.7800E-03	3.6000E+07	2.0600E-03	3.7000E+07	2.2700E-039440	3111		262
3.8000E+07	2.5700E-03	3.9000E+07	2.8900E-03	4.0000E+07	3.2100E-039440	3111		263
4.2000E+07	3.4600E-03	4.4000E+07	3.8600E-03	4.6000E+07	4.1600E-039440	3111		264
4.8000E+07	4.4100E-03	5.0000E+07	4.5700E-03	5.2000E+07	4.7100E-039440	3111		265
5.4000E+07	4.7800E-03	5.6000E+07	4.8900E-03	5.8000E+07	5.0200E-039440	3111		266
6.0000E+07	5.0900E-03	6.2000E+07	5.0900E-03	6.4000E+07	5.1400E-039440	3111		267
6.6000E+07	5.2000E-03	6.8000E+07	5.2500E-03	7.0000E+07	5.2600E-039440	3111		268
7.2000E+07	5.3000E-03	7.4000E+07	5.2900E-03	7.6000E+07	5.3100E-039440	3111		269
7.8000E+07	5.3300E-03	8.0000E+07	5.3200E-03	8.5000E+07	5.3700E-039440	3111		270
9.0000E+07	5.3800E-03	9.5000E+07	5.3500E-03	1.0000E+08	5.3400E-039440	3111		271
					9440	3	0	272
9.4240E+04	2.4000E+02	0	0	0	09440	3121		273
-2.5053E+07	-2.5053E+07	0	0	1	409440	3121		274
40	2				9440	3121		275
2.5157E+07	0.0000E+00	2.6000E+07	6.1600E-08	2.7000E+07	1.0100E-059440	3121		276
2.8000E+07	1.0600E-04	2.9000E+07	4.0500E-04	3.0000E+07	9.6500E-049440	3121		277
3.1000E+07	1.5600E-03	3.2000E+07	2.2400E-03	3.3000E+07	2.8300E-039440	3121		278
3.4000E+07	3.3300E-03	3.5000E+07	3.7400E-03	3.6000E+07	4.0000E-039440	3121		279
3.7000E+07	4.1100E-03	3.8000E+07	4.0700E-03	3.9000E+07	3.8100E-039440	3121		280
4.0000E+07	3.5500E-03	4.2000E+07	2.7700E-03	4.4000E+07	2.2900E-039440	3121		281
4.6000E+07	1.8600E-03	4.8000E+07	1.5700E-03	5.0000E+07	1.3400E-039440	3121		282
5.2000E+07	1.1600E-03	5.4000E+07	1.0200E-03	5.6000E+07	9.0400E-049440	3121		283
5.8000E+07	8.2400E-04	6.0000E+07	7.6500E-04	6.2000E+07	7.1800E-049440	3121		284
6.4000E+07	6.7600E-04	6.6000E+07	6.3500E-04	6.8000E+07	6.0200E-049440	3121		285
7.0000E+07	5.7200E-04	7.2000E+07	5.4900E-04	7.4000E+07	5.2700E-049440	3121		286
7.6000E+07	5.0800E-04	7.8000E+07	4.9800E-04	8.0000E+07	4.8100E-049440	3121		287
8.5000E+07	4.5100E-04	9.0000E+07	4.2500E-04	9.5000E+07	4.0100E-049440	3121		288

1.0000E+08	3.8200E-04					9440	3121	289
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3122	291
-3.2396E+07	-3.2396E+07	0	0	1		339440	3122	292
33	2					9440	3122	293
3.2531E+07	0.0000E+00	3.3000E+07	5.3700E-13	3.4000E+07	2.4000E-099440	3122	294	
3.5000E+07	1.0900E-07	3.6000E+07	1.0700E-06	3.7000E+07	4.8300E-069440	3122	295	
3.8000E+07	1.3000E-05	3.9000E+07	2.8100E-05	4.0000E+07	4.8100E-059440	3122	296	
4.2000E+07	1.0100E-04	4.4000E+07	1.4200E-04	4.6000E+07	1.6800E-049440	3122	297	
4.8000E+07	1.7000E-04	5.0000E+07	1.5800E-04	5.2000E+07	1.3900E-049440	3122	298	
5.4000E+07	1.1800E-04	5.6000E+07	9.9900E-05	5.8000E+07	8.4700E-059440	3122	299	
6.0000E+07	7.2600E-05	6.2000E+07	6.4900E-05	6.4000E+07	5.7200E-059440	3122	300	
6.6000E+07	5.1500E-05	6.8000E+07	4.7800E-05	7.0000E+07	4.4000E-059440	3122	301	
7.2000E+07	4.0900E-05	7.4000E+07	3.8200E-05	7.6000E+07	3.6000E-059440	3122	302	
7.8000E+07	3.4100E-05	8.0000E+07	3.2300E-05	8.5000E+07	2.8800E-059440	3122	303	
9.0000E+07	2.6100E-05	9.5000E+07	2.3900E-05	1.0000E+08	2.2300E-059440	3122	304	
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3123	306
-3.8649E+07	-3.8649E+07	0	0	1		269440	3123	307
26	2					9440	3123	308
3.8810E+07	0.0000E+00	4.0000E+07	3.4600E-13	4.2000E+07	4.9400E-099440	3123	309	
4.4000E+07	1.1100E-07	4.6000E+07	7.0000E-07	4.8000E+07	2.0400E-069440	3123	310	
5.0000E+07	3.7600E-06	5.2000E+07	5.5400E-06	5.4000E+07	6.8100E-069440	3123	311	
5.6000E+07	7.3500E-06	5.8000E+07	7.2400E-06	6.0000E+07	6.7100E-069440	3123	312	
6.2000E+07	6.1600E-06	6.4000E+07	5.4400E-06	6.6000E+07	4.7300E-069440	3123	313	
6.8000E+07	4.1400E-06	7.0000E+07	3.6000E-06	7.2000E+07	3.2000E-069440	3123	314	
7.4000E+07	2.8700E-06	7.6000E+07	2.6500E-06	7.8000E+07	2.4400E-069440	3123	315	
8.0000E+07	2.2900E-06	8.5000E+07	2.0000E-06	9.0000E+07	1.6500E-069440	3123	316	
9.5000E+07	1.5100E-06	1.0000E+08	1.3900E-06			9440	3123	317
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3124	319
-4.6421E+07	-4.6421E+07	0	0	1		229440	3124	320
22	2					9440	3124	321
4.6614E+07	0.0000E+00	4.8000E+07	1.4000E-14	5.0000E+07	9.4400E-129440	3124	322	
5.2000E+07	3.4500E-10	5.4000E+07	3.4500E-09	5.6000E+07	1.5800E-089440	3124	323	
5.8000E+07	3.9300E-08	6.0000E+07	7.1000E-08	6.2000E+07	1.0100E-079440	3124	324	
6.4000E+07	1.2800E-07	6.6000E+07	1.4600E-07	6.8000E+07	1.5400E-079440	3124	325	
7.0000E+07	1.5100E-07	7.2000E+07	1.4100E-07	7.4000E+07	1.2900E-079440	3124	326	
7.6000E+07	1.1700E-07	7.8000E+07	1.0500E-07	8.0000E+07	9.3400E-089440	3124	327	
8.5000E+07	7.3100E-08	9.0000E+07	5.9600E-08	9.5000E+07	5.1500E-089440	3124	328	
1.0000E+08	4.5600E-08					9440	3124	329
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3125	331
-5.2813E+07	-5.2813E+07	0	0	1		189440	3125	332
18	2					9440	3125	333
5.3033E+07	0.0000E+00	5.6000E+07	1.4500E-15	5.8000E+07	2.0100E-139440	3125	334	
6.0000E+07	4.3000E-12	6.2000E+07	2.6500E-11	6.4000E+07	1.0800E-109440	3125	335	
6.6000E+07	2.9100E-10	6.8000E+07	5.5500E-10	7.0000E+07	9.0800E-109440	3125	336	
7.2000E+07	1.2200E-09	7.4000E+07	1.4600E-09	7.6000E+07	1.5700E-099440	3125	337	
7.8000E+07	1.5900E-09	8.0000E+07	1.5500E-09	8.5000E+07	1.3000E-099440	3125	338	
9.0000E+07	1.0500E-09	9.5000E+07	8.4500E-10	1.0000E+08	7.1600E-109440	3125	339	
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3126	341
-6.0838E+07	-6.0838E+07	0	0	1		149440	3126	342
14	2					9440	3126	343
6.1092E+07	0.0000E+00	6.4000E+07	1.8400E-20	6.6000E+07	2.1200E-179440	3126	344	
6.8000E+07	8.5700E-16	7.0000E+07	1.5000E-14	7.2000E+07	1.0400E-139440	3126	345	
7.4000E+07	4.0900E-13	7.6000E+07	1.0100E-12	7.8000E+07	2.0900E-129440	3126	346	
8.0000E+07	3.5200E-12	8.5000E+07	6.7100E-12	9.0000E+07	7.8500E-129440	3126	347	
9.5000E+07	7.2800E-12	1.0000E+08	6.2800E-12			9440	3126	348
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3153	350
-4.2482E+06	-4.2482E+06	0	0	1		529440	3153	351
52	2					9440	3153	352
4.2659E+06	0.0000E+00	1.4000E+07	8.4400E-04	1.5000E+07	1.6300E-039440	3153	353	
1.6000E+07	2.7100E-03	1.7000E+07	4.0800E-03	1.8000E+07	5.1100E-039440	3153	354	
1.9000E+07	7.4300E-03	2.0000E+07	1.0365E-02	2.1000E+07	1.3300E-029440	3153	355	

2.2000E+07	1.5800E-02	2.3000E+07	2.0200E-02	2.4000E+07	2.5200E-029440	3153	356
2.5000E+07	3.0000E-02	2.6000E+07	3.3300E-02	2.7000E+07	3.8400E-029440	3153	357
2.8000E+07	4.2800E-02	2.9000E+07	4.6600E-02	3.0000E+07	5.0000E-029440	3153	358
3.1000E+07	5.1700E-02	3.2000E+07	5.4500E-02	3.3000E+07	5.6900E-029440	3153	359
3.4000E+07	5.8600E-02	3.5000E+07	5.9600E-02	3.6000E+07	5.9400E-029440	3153	360
3.7000E+07	5.8100E-02	3.8000E+07	5.7800E-02	3.9000E+07	5.7500E-029440	3153	361
4.0000E+07	5.7400E-02	4.2000E+07	5.2900E-02	4.4000E+07	5.2600E-029440	3153	362
4.6000E+07	5.2300E-02	4.8000E+07	5.2500E-02	5.0000E+07	5.1700E-029440	3153	363
5.2000E+07	5.1800E-02	5.4000E+07	5.1500E-02	5.6000E+07	5.0900E-029440	3153	364
5.8000E+07	5.1100E-02	6.0000E+07	5.1100E-02	6.2000E+07	5.0700E-029440	3153	365
6.4000E+07	5.0400E-02	6.6000E+07	4.9900E-02	6.8000E+07	4.9700E-029440	3153	366
7.0000E+07	4.9600E-02	7.2000E+07	4.9100E-02	7.4000E+07	4.8700E-029440	3153	367
7.6000E+07	4.8000E-02	7.8000E+07	4.7600E-02	8.0000E+07	4.7400E-029440	3153	368
8.5000E+07	4.6300E-02	9.0000E+07	4.5500E-02	9.5000E+07	4.5000E-029440	3153	369
1.0000E+08	4.4000E-02				9440	3153	370
					9440	3	0
9.4240E+04	2.4000E+02	0	0	0	09440	3154	372
-1.0466E+07	-1.0466E+07	0	0	1	459440	3154	373
	45	2			9440	3154	374
1.0510E+07	0.0000E+00	2.1000E+07	1.2800E-06	2.2000E+07	7.5500E-069440	3154	375
2.3000E+07	3.1600E-05	2.4000E+07	9.1500E-05	2.5000E+07	2.1900E-049440	3154	376
2.6000E+07	4.5200E-04	2.7000E+07	8.3000E-04	2.8000E+07	1.3400E-039440	3154	377
2.9000E+07	2.0100E-03	3.0000E+07	2.8600E-03	3.1000E+07	3.7600E-039440	3154	378
3.2000E+07	4.8300E-03	3.3000E+07	5.8600E-03	3.4000E+07	6.9100E-039440	3154	379
3.5000E+07	8.0200E-03	3.6000E+07	9.2400E-03	3.7000E+07	1.0300E-029440	3154	380
3.8000E+07	1.1400E-02	3.9000E+07	1.2400E-02	4.0000E+07	1.3200E-029440	3154	381
4.2000E+07	1.4100E-02	4.4000E+07	1.4800E-02	4.6000E+07	1.5300E-029440	3154	382
4.8000E+07	1.5400E-02	5.0000E+07	1.4800E-02	5.2000E+07	1.4200E-029440	3154	383
5.4000E+07	1.3600E-02	5.6000E+07	1.3200E-02	5.8000E+07	1.2900E-029440	3154	384
6.0000E+07	1.2600E-02	6.2000E+07	1.2400E-02	6.4000E+07	1.2200E-029440	3154	385
6.6000E+07	1.2100E-02	6.8000E+07	1.1900E-02	7.0000E+07	1.1700E-029440	3154	386
7.2000E+07	1.1600E-02	7.4000E+07	1.1500E-02	7.6000E+07	1.1300E-029440	3154	387
7.8000E+07	1.1200E-02	8.0000E+07	1.1100E-02	8.5000E+07	1.0900E-029440	3154	388
9.0000E+07	1.0600E-02	9.5000E+07	1.0300E-02	1.0000E+08	1.0200E-029440	3154	389
					9440	3	0
9.4240E+04	2.4000E+02	0	0	0	09440	3155	391
-1.5954E+07	-1.5954E+07	0	0	1	419440	3155	392
	41	2			9440	3155	393
1.6021E+07	0.0000E+00	2.5000E+07	1.8500E-09	2.6000E+07	7.7000E-089440	3155	394
2.7000E+07	8.9500E-07	2.8000E+07	4.6200E-06	2.9000E+07	1.7500E-059440	3155	395
3.0000E+07	5.1400E-05	3.1000E+07	1.2300E-04	3.2000E+07	2.4800E-049440	3155	396
3.3000E+07	4.3800E-04	3.4000E+07	7.0600E-04	3.5000E+07	1.0500E-039440	3155	397
3.6000E+07	1.4700E-03	3.7000E+07	1.9400E-03	3.8000E+07	2.4500E-039440	3155	398
3.9000E+07	3.0000E-03	4.0000E+07	3.5800E-03	4.2000E+07	4.6600E-039440	3155	399
4.4000E+07	5.6700E-03	4.6000E+07	6.5100E-03	4.8000E+07	7.3700E-039440	3155	400
5.0000E+07	8.4100E-03	5.2000E+07	9.1500E-03	5.4000E+07	9.7000E-039440	3155	401
5.6000E+07	1.0000E-02	5.8000E+07	1.0200E-02	6.0000E+07	1.0200E-029440	3155	402
6.2000E+07	1.0100E-02	6.4000E+07	9.9400E-03	6.6000E+07	9.7500E-039440	3155	403
6.8000E+07	9.4300E-03	7.0000E+07	9.1100E-03	7.2000E+07	8.7900E-039440	3155	404
7.4000E+07	8.5100E-03	7.6000E+07	8.3200E-03	7.8000E+07	7.9500E-039440	3155	405
8.0000E+07	7.8000E-03	8.5000E+07	7.4200E-03	9.0000E+07	7.1700E-039440	3155	406
9.5000E+07	6.9200E-03	1.0000E+08	6.7100E-03		9440	3155	407
					9440	3	0
9.4240E+04	2.4000E+02	0	0	0	09440	3156	409
-2.2583E+07	-2.2583E+07	0	0	1	369440	3156	410
	36	2			9440	3156	411
2.2677E+07	0.0000E+00	3.0000E+07	1.5600E-12	3.1000E+07	8.2100E-119440	3156	412
3.2000E+07	8.3100E-10	3.3000E+07	8.0200E-09	3.4000E+07	7.7700E-089440	3156	413
3.5000E+07	4.7900E-07	3.6000E+07	2.0900E-06	3.7000E+07	6.8200E-069440	3156	414
3.8000E+07	1.7800E-05	3.9000E+07	4.1700E-05	4.0000E+07	8.4000E-059440	3156	415
4.2000E+07	2.1900E-04	4.4000E+07	4.7200E-04	4.6000E+07	8.1000E-049440	3156	416
4.8000E+07	1.1700E-03	5.0000E+07	1.5000E-03	5.2000E+07	1.8000E-039440	3156	417
5.4000E+07	2.0600E-03	5.6000E+07	2.2800E-03	5.8000E+07	2.4500E-039440	3156	418
6.0000E+07	2.6300E-03	6.2000E+07	2.8100E-03	6.4000E+07	2.9800E-039440	3156	419
6.6000E+07	3.1200E-03	6.8000E+07	3.2700E-03	7.0000E+07	3.4100E-039440	3156	420
7.2000E+07	3.4900E-03	7.4000E+07	3.5400E-03	7.6000E+07	3.5600E-039440	3156	421
7.8000E+07	3.5400E-03	8.0000E+07	3.4600E-03	8.5000E+07	3.1800E-039440	3156	422

9.0000E+07	2.9000E-03	9.5000E+07	2.7200E-03	1.0000E+08	2.5700E-03	9440	3156	423
						9440	3	0
9.4240E+04	2.4000E+02		0	0	0	09440	3157	425
-2.8268E+07	-2.8268E+07		0	0	1	309440	3157	426
	30	2				9440	3157	427
2.8386E+07	0.0000E+00	3.6000E+07	5.1800E-13	3.7000E+07	2.7400E-11	9440	3157	428
3.8000E+07	2.9500E-10	3.9000E+07	2.1000E-09	4.0000E+07	1.5500E-08	9440	3157	429
4.2000E+07	2.4400E-07	4.4000E+07	2.9100E-06	4.6000E+07	1.5400E-05	9440	3157	430
4.8000E+07	4.9600E-05	5.0000E+07	1.1200E-04	5.2000E+07	2.0300E-04	9440	3157	431
5.4000E+07	3.2300E-04	5.6000E+07	4.5600E-04	5.8000E+07	5.7200E-04	9440	3157	432
6.0000E+07	6.7600E-04	6.2000E+07	7.7000E-04	6.4000E+07	8.4200E-04	9440	3157	433
6.6000E+07	9.0400E-04	6.8000E+07	9.7300E-04	7.0000E+07	1.0300E-03	9440	3157	434
7.2000E+07	1.0600E-03	7.4000E+07	1.1000E-03	7.6000E+07	1.1600E-03	9440	3157	435
7.8000E+07	1.2200E-03	8.0000E+07	1.2600E-03	8.5000E+07	1.3900E-03	9440	3157	436
9.0000E+07	1.4500E-03	9.5000E+07	1.4000E-03	1.0000E+08	1.3000E-03	9440	3	0
						9440	3158	438
9.4240E+04	2.4000E+02		0	0	0	09440	3158	439
-3.5251E+07	-3.5251E+07		0	0	1	249440	3158	440
	24	2				9440	3158	441
3.5398E+07	0.0000E+00	4.4000E+07	4.5000E-13	4.6000E+07	8.2800E-11	9440	3158	442
4.8000E+07	2.3200E-09	5.0000E+07	3.4400E-08	5.2000E+07	3.5700E-07	9440	3158	443
5.4000E+07	1.7600E-06	5.6000E+07	6.5300E-06	5.8000E+07	1.6300E-05	9440	3158	444
6.0000E+07	3.2400E-05	6.2000E+07	5.4900E-05	6.4000E+07	7.9300E-05	9440	3158	445
6.6000E+07	1.0600E-04	6.8000E+07	1.2900E-04	7.0000E+07	1.4800E-04	9440	3158	446
7.2000E+07	1.6400E-04	7.4000E+07	1.7600E-04	7.6000E+07	1.8600E-04	9440	3158	447
7.8000E+07	1.9600E-04	8.0000E+07	2.0700E-04	8.5000E+07	2.3200E-04	9440	3158	448
9.0000E+07	2.5100E-04	9.5000E+07	2.6600E-04	1.0000E+08	2.8600E-04	9440	3	0
						9440	3159	450
9.4240E+04	2.4000E+02		0	0	0	09440	3159	451
-4.1382E+07	-4.1382E+07		0	0	1	219440	3159	452
	21	2				9440	3159	453
4.1554E+07	0.0000E+00	5.0000E+07	2.2800E-15	5.2000E+07	1.9300E-12	9440	3159	454
5.4000E+07	8.2100E-11	5.6000E+07	1.4600E-09	5.8000E+07	1.3800E-08	9440	3159	455
6.0000E+07	8.4200E-08	6.2000E+07	3.6500E-07	6.4000E+07	1.1000E-06	9440	3159	456
6.6000E+07	2.7700E-06	6.8000E+07	5.4500E-06	7.0000E+07	9.6200E-06	9440	3159	457
7.2000E+07	1.4500E-05	7.4000E+07	1.9000E-05	7.6000E+07	2.3400E-05	9440	3159	458
7.8000E+07	2.7100E-05	8.0000E+07	3.0300E-05	8.5000E+07	3.5600E-05	9440	3159	459
9.0000E+07	4.0000E-05	9.5000E+07	4.4800E-05	1.0000E+08	4.6600E-05	9440	3	0
						9440	3160	461
9.4240E+04	2.4000E+02		0	0	0	09440	3160	462
-4.8734E+07	-4.8734E+07		0	0	1	179440	3160	463
	17	2				9440	3160	464
4.8937E+07	0.0000E+00	5.8000E+07	1.0300E-15	6.0000E+07	1.9600E-13	9440	3160	465
6.2000E+07	5.0100E-12	6.4000E+07	8.0700E-11	6.6000E+07	8.7000E-10	9440	3160	466
6.8000E+07	5.2500E-09	7.0000E+07	2.8200E-08	7.2000E+07	1.0400E-07	9440	3160	467
7.4000E+07	2.6500E-07	7.6000E+07	5.7300E-07	7.8000E+07	1.0200E-06	9440	3160	468
8.0000E+07	1.6200E-06	8.5000E+07	3.3400E-06	9.0000E+07	4.8400E-06	9440	3160	469
9.5000E+07	5.7400E-06	1.0000E+08	6.3000E-06			9440	3160	470
						9440	3	0
						9440	3161	471
9.4240E+04	2.4000E+02		0	0	0	09440	3161	472
-5.5141E+07	-5.5141E+07		0	0	1	139440	3161	473
	13	2				9440	3161	474
5.5371E+07	0.0000E+00	6.6000E+07	1.6300E-16	6.8000E+07	7.2700E-15	9440	3161	475
7.0000E+07	2.4400E-13	7.2000E+07	3.6000E-12	7.4000E+07	2.8900E-11	9440	3161	476
7.6000E+07	1.6900E-10	7.8000E+07	6.6600E-10	8.0000E+07	2.0400E-09	9440	3161	477
8.5000E+07	1.4600E-08	9.0000E+07	5.0400E-08	9.5000E+07	9.6600E-08	9440	3161	478
1.0000E+08	1.3100E-07					9440	3161	479
						9440	3	0
						9440	3162	480
9.4240E+04	2.4000E+02		0	0	0	09440	3162	481
-6.3116E+07	-6.3116E+07		0	0	1	109440	3162	482
	10	2				9440	3162	483
6.3379E+07	0.0000E+00	7.2000E+07	1.3000E-22	7.4000E+07	1.7500E-19	9440	3162	484
7.6000E+07	2.0000E-17	7.8000E+07	5.6900E-16	8.0000E+07	8.6300E-15	9440	3162	485
8.5000E+07	7.0300E-13	9.0000E+07	1.6300E-11	9.5000E+07	1.2300E-10	9440	3162	486
1.0000E+08	3.9200E-10					9440	3162	487
						9440	3	0
						9440	3174	488
9.4240E+04	2.4000E+02		0	0	0	09440	3174	489

-9.5380E+06	-9.5380E+06	0	0	1	389440	3174	490		
38	2				9440	3174	491		
9.5777E+06	0.0000E+00	2.8000E+07	4.6500E-12	2.9000E+07	1.9200E-11	9440	3174	492	
3.0000E+07	7.0000E-10	3.1000E+07	4.6600E-08	3.2000E+07	1.6900E-07	9440	3174	493	
3.3000E+07	4.5100E-07	3.4000E+07	9.8000E-07	3.5000E+07	1.9800E-06	9440	3174	494	
3.6000E+07	3.9800E-06	3.7000E+07	7.6000E-06	3.8000E+07	1.4500E-05	9440	3174	495	
3.9000E+07	2.8100E-05	4.0000E+07	5.4200E-05	4.2000E+07	2.1100E-04	9440	3174	496	
4.4000E+07	4.7700E-04	4.6000E+07	8.6100E-04	4.8000E+07	1.2900E-03	9440	3174	497	
5.0000E+07	1.7500E-03	5.2000E+07	2.3200E-03	5.4000E+07	2.8600E-03	9440	3174	498	
5.6000E+07	3.3400E-03	5.8000E+07	3.6100E-03	6.0000E+07	3.8600E-03	9440	3174	499	
6.2000E+07	4.0800E-03	6.4000E+07	4.1900E-03	6.6000E+07	4.2800E-03	9440	3174	500	
6.8000E+07	4.3100E-03	7.0000E+07	4.3700E-03	7.2000E+07	4.3200E-03	9440	3174	501	
7.4000E+07	4.3900E-03	7.6000E+07	4.3900E-03	7.8000E+07	4.3900E-03	9440	3174	502	
8.0000E+07	4.4000E-03	8.5000E+07	4.3700E-03	9.0000E+07	4.3700E-03	9440	3174	503	
9.5000E+07	4.3800E-03	1.0000E+08	4.3100E-03			9440	3174	504	
						9440	3	0	505
9.4240E+04	2.4000E+02	0	0	0	09440	3175	506		
1.0381E+07	1.0381E+07	0	0	1	609440	3175	507		
60	2				9440	3175	508		
1.0000E-05	0.0000E+00	6.0000E+06	1.8700E-08	7.0000E+06	1.3900E-07	9440	3175	509	
8.0000E+06	6.0500E-07	9.0000E+06	2.2200E-06	1.0000E+07	7.2300E-06	9440	3175	510	
1.1000E+07	2.1300E-05	1.2000E+07	5.6400E-05	1.3000E+07	1.3200E-04	9440	3175	511	
1.4000E+07	2.7200E-04	1.5000E+07	4.9000E-04	1.6000E+07	7.8700E-04	9440	3175	512	
1.7000E+07	1.1400E-03	1.8000E+07	1.4900E-03	1.9000E+07	1.7800E-03	9440	3175	513	
2.0000E+07	1.9400E-03	2.1000E+07	2.1000E-03	2.2000E+07	2.1400E-03	9440	3175	514	
2.3000E+07	2.1400E-03	2.4000E+07	2.1100E-03	2.5000E+07	2.0500E-03	9440	3175	515	
2.6000E+07	1.9800E-03	2.7000E+07	1.8800E-03	2.8000E+07	1.7800E-03	9440	3175	516	
2.9000E+07	1.6700E-03	3.0000E+07	1.5500E-03	3.1000E+07	1.4500E-03	9440	3175	517	
3.2000E+07	1.3500E-03	3.3000E+07	1.2500E-03	3.4000E+07	1.1600E-03	9440	3175	518	
3.5000E+07	1.0800E-03	3.6000E+07	9.9900E-04	3.7000E+07	9.2400E-04	9440	3175	519	
3.8000E+07	8.5300E-04	3.9000E+07	7.8500E-04	4.0000E+07	7.2100E-04	9440	3175	520	
4.2000E+07	6.7200E-04	4.4000E+07	5.6100E-04	4.6000E+07	4.7800E-04	9440	3175	521	
4.8000E+07	4.1300E-04	5.0000E+07	3.5900E-04	5.2000E+07	3.2900E-04	9440	3175	522	
5.4000E+07	3.4200E-04	5.6000E+07	4.1700E-04	5.8000E+07	5.8400E-04	9440	3175	523	
6.0000E+07	8.2600E-04	6.2000E+07	1.1200E-03	6.4000E+07	1.4500E-03	9440	3175	524	
6.6000E+07	1.7400E-03	6.8000E+07	2.0600E-03	7.0000E+07	2.3200E-03	9440	3175	525	
7.2000E+07	2.5800E-03	7.4000E+07	2.7100E-03	7.6000E+07	2.8100E-03	9440	3175	526	
7.8000E+07	2.8600E-03	8.0000E+07	2.8900E-03	8.5000E+07	2.9300E-03	9440	3175	527	
9.0000E+07	2.9100E-03	9.5000E+07	2.8200E-03	1.0000E+08	2.7600E-03	9440	3175	528	
						9440	3	0	529
9.4240E+04	2.4000E+02	0	0	0	09440	3176	530		
5.2559E+06	5.2559E+06	0	0	1	559440	3176	531		
55	2				9440	3176	532		
1.0000E-05	0.0000E+00	1.1000E+07	1.6300E-07	1.2000E+07	6.8300E-07	9440	3176	533	
1.3000E+07	2.2400E-06	1.4000E+07	7.2500E-06	1.5000E+07	2.1600E-05	9440	3176	534	
1.6000E+07	6.0100E-05	1.7000E+07	1.5100E-04	1.8000E+07	3.2300E-04	9440	3176	535	
1.9000E+07	5.9800E-04	2.0000E+07	1.0290E-03	2.1000E+07	1.4600E-03	9440	3176	536	
2.2000E+07	2.0200E-03	2.3000E+07	2.6200E-03	2.4000E+07	3.2100E-03	9440	3176	537	
2.5000E+07	3.7000E-03	2.6000E+07	4.1200E-03	2.7000E+07	4.3600E-03	9440	3176	538	
2.8000E+07	4.5000E-03	2.9000E+07	4.5200E-03	3.0000E+07	4.4400E-03	9440	3176	539	
3.1000E+07	4.3100E-03	3.2000E+07	4.1700E-03	3.3000E+07	3.9900E-03	9440	3176	540	
3.4000E+07	3.7700E-03	3.5000E+07	3.5500E-03	3.6000E+07	3.3300E-03	9440	3176	541	
3.7000E+07	3.1000E-03	3.8000E+07	2.8700E-03	3.9000E+07	2.6700E-03	9440	3176	542	
4.0000E+07	2.4900E-03	4.2000E+07	2.1400E-03	4.4000E+07	1.8200E-03	9440	3176	543	
4.6000E+07	1.5300E-03	4.8000E+07	1.2800E-03	5.0000E+07	1.0600E-03	9440	3176	544	
5.2000E+07	9.0600E-04	5.4000E+07	7.6500E-04	5.6000E+07	6.5400E-04	9440	3176	545	
5.8000E+07	5.5500E-04	6.0000E+07	4.7000E-04	6.2000E+07	4.0300E-04	9440	3176	546	
6.4000E+07	3.3800E-04	6.6000E+07	3.4300E-04	6.8000E+07	3.8800E-04	9440	3176	547	
7.0000E+07	4.8200E-04	7.2000E+07	6.4000E-04	7.4000E+07	8.1700E-04	9440	3176	548	
7.6000E+07	1.0200E-03	7.8000E+07	1.2400E-03	8.0000E+07	1.4500E-03	9440	3176	549	
8.5000E+07	1.8800E-03	9.0000E+07	2.1400E-03	9.5000E+07	2.3100E-03	9440	3176	550	
1.0000E+08	2.3200E-03					9440	3176	551	
						9440	3	0	552
9.4240E+04	2.4000E+02	0	0	0	09440	3177	553		
-1.2902E+06	-1.2902E+06	0	0	1	499440	3177	554		
49	2				9440	3177	555		
1.2956E+06	0.0000E+00	1.7000E+07	2.7500E-11	1.8000E+07	5.9000E-08	9440	3177	556	

1.9000E+07	4.2000E-07	2.0000E+07	2.3950E-06	2.1000E+07	4.3700E-06	9440	3177	557
2.2000E+07	1.2300E-05	2.3000E+07	3.3900E-05	2.4000E+07	8.5700E-05	9440	3177	558
2.5000E+07	1.9600E-04	2.6000E+07	4.0100E-04	2.7000E+07	7.1500E-04	9440	3177	559
2.8000E+07	1.1300E-03	2.9000E+07	1.6500E-03	3.0000E+07	2.1900E-03	9440	3177	560
3.1000E+07	2.7600E-03	3.2000E+07	3.2600E-03	3.3000E+07	3.6600E-03	9440	3177	561
3.4000E+07	3.9500E-03	3.5000E+07	4.1100E-03	3.6000E+07	4.1700E-03	9440	3177	562
3.7000E+07	4.1400E-03	3.8000E+07	4.0500E-03	3.9000E+07	3.9100E-03	9440	3177	563
4.0000E+07	3.7500E-03	4.2000E+07	3.3700E-03	4.4000E+07	2.9500E-03	9440	3177	564
4.6000E+07	2.5400E-03	4.8000E+07	2.1900E-03	5.0000E+07	1.8600E-03	9440	3177	565
5.2000E+07	1.5500E-03	5.4000E+07	1.2900E-03	5.6000E+07	1.0800E-03	9440	3177	566
5.8000E+07	9.1300E-04	6.0000E+07	7.7300E-04	6.2000E+07	6.5400E-04	9440	3177	567
6.4000E+07	5.5600E-04	6.6000E+07	4.6500E-04	6.8000E+07	3.8300E-04	9440	3177	568
7.0000E+07	3.1000E-04	7.2000E+07	2.4500E-04	7.4000E+07	1.9300E-04	9440	3177	569
7.6000E+07	1.6500E-04	7.8000E+07	1.6400E-04	8.0000E+07	1.9800E-04	9440	3177	570
8.5000E+07	4.0700E-04	9.0000E+07	6.9300E-04	9.5000E+07	9.4900E-04	9440	3177	571
1.0000E+08	1.2200E-03					9440	3177	572
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3178	574
-6.5881E+06	-6.5881E+06	0	0	1		439440	3178	575
	43	2				9440	3178	576
6.6156E+06	0.0000E+00	2.3000E+07	1.5300E-09	2.4000E+07	4.9500E-08	9440	3178	577
2.5000E+07	2.6600E-07	2.6000E+07	9.2300E-07	2.7000E+07	2.6800E-06	9440	3178	578
2.8000E+07	7.4700E-06	2.9000E+07	1.9600E-05	3.0000E+07	4.7400E-05	9440	3178	579
3.1000E+07	1.1100E-04	3.2000E+07	2.2300E-04	3.3000E+07	4.0300E-04	9440	3178	580
3.4000E+07	6.5100E-04	3.5000E+07	9.5900E-04	3.6000E+07	1.3200E-03	9440	3178	581
3.7000E+07	1.6900E-03	3.8000E+07	2.0500E-03	3.9000E+07	2.3900E-03	9440	3178	582
4.0000E+07	2.6700E-03	4.2000E+07	2.8100E-03	4.4000E+07	2.8700E-03	9440	3178	583
4.6000E+07	2.7600E-03	4.8000E+07	2.5400E-03	5.0000E+07	2.2700E-03	9440	3178	584
5.2000E+07	2.0300E-03	5.4000E+07	1.7600E-03	5.6000E+07	1.5100E-03	9440	3178	585
5.8000E+07	1.3000E-03	6.0000E+07	1.1100E-03	6.2000E+07	9.3000E-04	9440	3178	586
6.4000E+07	7.8100E-04	6.6000E+07	6.6600E-04	6.8000E+07	5.6000E-04	9440	3178	587
7.0000E+07	4.7900E-04	7.2000E+07	4.0800E-04	7.4000E+07	3.3800E-04	9440	3178	588
7.6000E+07	2.7600E-04	7.8000E+07	2.2000E-04	8.0000E+07	1.7000E-04	9440	3178	589
8.5000E+07	8.3900E-05	9.0000E+07	9.7300E-05	9.5000E+07	1.9100E-04	9440	3178	590
1.0000E+08	3.2700E-04					9440	3178	591
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3179	593
-1.3432E+07	-1.3432E+07	0	0	1		369440	3179	594
	36	2				9440	3179	595
1.3488E+07	0.0000E+00	3.0000E+07	1.8100E-11	3.1000E+07	1.8300E-09	9440	3179	596
3.2000E+07	1.8700E-08	3.3000E+07	9.1500E-08	3.4000E+07	3.1600E-07	9440	3179	597
3.5000E+07	9.2900E-07	3.6000E+07	2.5800E-06	3.7000E+07	6.7000E-06	9440	3179	598
3.8000E+07	1.6300E-05	3.9000E+07	3.7300E-05	4.0000E+07	7.3500E-05	9440	3179	599
4.2000E+07	2.0400E-04	4.4000E+07	4.5400E-04	4.6000E+07	7.3800E-04	9440	3179	600
4.8000E+07	1.0100E-03	5.0000E+07	1.2000E-03	5.2000E+07	1.2700E-03	9440	3179	601
5.4000E+07	1.2500E-03	5.6000E+07	1.1800E-03	5.8000E+07	1.0800E-03	9440	3179	602
6.0000E+07	9.6200E-04	6.2000E+07	8.3900E-04	6.4000E+07	7.1600E-04	9440	3179	603
6.6000E+07	6.1700E-04	6.8000E+07	5.2600E-04	7.0000E+07	4.4800E-04	9440	3179	604
7.2000E+07	3.7900E-04	7.4000E+07	3.2100E-04	7.6000E+07	2.7300E-04	9440	3179	605
7.8000E+07	2.3200E-04	8.0000E+07	1.9400E-04	8.5000E+07	1.2000E-04	9440	3179	606
9.0000E+07	6.2100E-05	9.5000E+07	2.4800E-05	1.0000E+08	2.1700E-05	9440	3179	607
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3180	609
-1.9186E+07	-1.9186E+07	0	0	1		309440	3180	610
	30	2				9440	3180	611
1.9266E+07	0.0000E+00	3.6000E+07	6.4500E-13	3.7000E+07	8.9200E-11	9440	3180	612
3.8000E+07	1.4600E-09	3.9000E+07	9.8800E-09	4.0000E+07	3.9200E-08	9440	3180	613
4.2000E+07	3.3200E-07	4.4000E+07	2.3300E-06	4.6000E+07	1.1000E-05	9440	3180	614
4.8000E+07	4.0100E-05	5.0000E+07	1.0400E-04	5.2000E+07	1.9400E-04	9440	3180	615
5.4000E+07	3.0600E-04	5.6000E+07	4.0300E-04	5.8000E+07	4.7000E-04	9440	3180	616
6.0000E+07	5.0600E-04	6.2000E+07	5.1000E-04	6.4000E+07	4.9000E-04	9440	3180	617
6.6000E+07	4.5400E-04	6.8000E+07	4.0900E-04	7.0000E+07	3.6400E-04	9440	3180	618
7.2000E+07	3.2100E-04	7.4000E+07	2.7800E-04	7.6000E+07	2.3800E-04	9440	3180	619
7.8000E+07	2.0300E-04	8.0000E+07	1.5500E-04	8.5000E+07	1.0300E-04	9440	3180	620
9.0000E+07	6.8200E-05	9.5000E+07	4.1100E-05	1.0000E+08	1.9400E-05	9440	3180	621
						9440	3	0
9.4240E+04	2.4000E+02	0	0	0		09440	3181	623

-2.6441E+07	-2.6441E+07	0	0	1	249440	3181	624
24	2				9440	3181	625
2.6551E+07	0.0000E+00	4.4000E+07	5.7100E-13	4.6000E+07	1.6600E-109440	3181	626
4.8000E+07	4.1700E-09	5.0000E+07	4.5500E-08	5.2000E+07	2.9400E-079440	3181	627
5.4000E+07	1.5900E-06	5.6000E+07	6.0600E-06	5.8000E+07	1.6700E-059440	3181	628
6.0000E+07	3.6200E-05	6.2000E+07	6.3300E-05	6.4000E+07	9.3800E-059440	3181	629
6.6000E+07	1.1900E-04	6.8000E+07	1.3700E-04	7.0000E+07	1.4600E-049440	3181	630
7.2000E+07	1.4700E-04	7.4000E+07	1.4000E-04	7.6000E+07	1.2900E-049440	3181	631
7.8000E+07	1.1700E-04	8.0000E+07	1.0600E-04	8.5000E+07	7.5600E-059440	3181	632
9.0000E+07	5.1000E-05	9.5000E+07	3.4600E-05	1.0000E+08	2.2500E-059440	3181	633
					9440	3	0
9.4240E+04	2.4000E+02	0	0	0	09440	3182	635
-3.2339E+07	-3.2339E+07	0	0	1	209440	3182	636
20	2				9440	3182	637
3.2474E+07	0.0000E+00	5.2000E+07	2.7400E-12	5.4000E+07	1.1600E-109440	3182	638
5.6000E+07	1.5800E-09	5.8000E+07	1.2000E-08	6.0000E+07	7.3100E-089440	3182	639
6.2000E+07	3.3900E-07	6.4000E+07	1.1900E-06	6.6000E+07	2.8600E-069440	3182	640
6.8000E+07	5.8900E-06	7.0000E+07	9.7100E-06	7.2000E+07	1.4100E-059440	3182	641
7.4000E+07	1.8300E-05	7.6000E+07	2.1400E-05	7.8000E+07	2.3100E-059440	3182	642
8.0000E+07	2.3600E-05	8.5000E+07	2.1000E-05	9.0000E+07	1.6100E-059440	3182	643
9.5000E+07	1.1600E-05	1.0000E+08	7.7900E-06		9440	3182	644
					9440	3	0
9.4240E+04	2.4000E+02	0	0	0	09440	3183	646
-4.0005E+07	-4.0005E+07	0	0	1	179440	3183	647
17	2				9440	3183	648
4.0172E+07	0.0000E+00	5.8000E+07	1.4800E-17	6.0000E+07	1.7000E-149440	3183	649
6.2000E+07	7.0800E-13	6.4000E+07	1.4900E-11	6.6000E+07	1.3200E-109440	3183	650
6.8000E+07	9.5500E-10	7.0000E+07	5.0100E-09	7.2000E+07	1.9700E-089440	3183	651
7.4000E+07	6.2800E-08	7.6000E+07	1.5000E-07	7.8000E+07	2.9200E-079440	3183	652
8.0000E+07	4.8200E-07	8.5000E+07	9.7700E-07	9.0000E+07	1.2200E-069440	3183	653
9.5000E+07	1.1400E-06	1.0000E+08	9.1800E-07		9440	3183	654
					9440	3	0
					9440	0	0
					0	0	0
					-1	0	0
					0	0	0
Pu-241	WIND				0	0	0
9.4241E+04	2.4100E+02	-1	0	99	19441	1451	1
0.0000E+00	0.0000E+00	0	0	0	69441	1451	2
1.0000E+00	0.0000E+00	0	0	10	29441	1451	3
0.0000E+00	0.0000E+00	0	0	67	339441	1451	4
94-Pu-241	INPE	EVAL-SEP94 YU.A.KOROVIN ET.AL.			9441	1451	5
		DIST-OCT94			9441	1451	6
----	WIND	MATERIAL 9441			9441	1451	7
-----	INCIDENT-NEUTRON DATA				9441	1451	8
-----	ENDF-6 FORMAT				9441	1451	9
AUTHORS OF EVALUATION: A.YU.KONOBAYEV , YU.A.KOROVIN ,					9441	1451	10
P.E.PERESLAVTSEV, V.I.PLYASKIN					9441	1451	11
					9441	1451	12
FILE OF ACTINIDE DATA LIBRARY WIND					9441	1451	13
ENERGY OF PROJECTILE: 0-100 MEV					9441	1451	14
REFERENCE: KERNTECHNIK, 1994, V.59, P.87					9441	1451	15
					9441	1451	16
CONTENT OF FILE:					9441	1451	17
					9441	1451	18
MF = 1 GENERAL INFORMATION					9441	1451	19
					9441	1451	20
MT = 451 COMMENTS AND DICTIONARY					9441	1451	21
					9441	1451	22
MF = 3 NEUTRON CROSS-SECTIONS					9441	1451	23
					9441	1451	24
(N,2N) REACTION CROSS-SECTIONS ARE ORIGINAL					9441	1451	25
(N,3N) REACTION CROSS-SECTIONS ARE ORIGINAL					9441	1451	26
(N,F) REACTION CROSS-SECTIONS BELOW 2 MEV ARE FROM BROND-2					9441	1451	27
THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR					9441	1451	28
SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA					9441	1451	29
AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION					9441	1451	30
IS AVAILABLE FROM THE AUTHORS AFTER REQUEST					9441	1451	31

				9441	1451	32
				9441	1451	33
				9441	1451	34
				9441	1451	35
				9441	1451	36
				9441	1451	37
				9441	1451	38
MT = 16 (N,2N)	CROSS-SECTION	(Pu240 PRODUCTION)		9441	1451	39
MT = 17 (N,3N)	CROSS-SECTION	(Pu239 PRODUCTION)		9441	1451	40
MT = 18 (N,F) FISSION	CROSS-SECTION			9441	1451	41
MT = 37 (N,4N)	CROSS-SECTION	(Pu238 PRODUCTION)		9441	1451	42
MT =103 (N,P)	CROSS-SECTION	(Np241 PRODUCTION)		9441	1451	43
MT =111 (N,2P)	CROSS-SECTION	(U240 PRODUCTION)		9441	1451	44
MT =121 (N,5N)	CROSS-SECTION	(Pu237 PRODUCTION)		9441	1451	45
MT =122 (N,6N)	CROSS-SECTION	(Pu236 PRODUCTION)		9441	1451	46
MT =123 (N,7N)	CROSS-SECTION	(Pu235 PRODUCTION)		9441	1451	47
MT =124 (N,8N)	CROSS-SECTION	(Pu234 PRODUCTION)		9441	1451	48
MT =125 (N,9N)	CROSS-SECTION	(Pu233 PRODUCTION)		9441	1451	49
MT =126 (N,10N)	CROSS-SECTION	(Pu232 PRODUCTION)		9441	1451	50
MT =153 (N,NP) + (N,D)	CROSS-SECTION	(Np240 PRODUCTION)		9441	1451	51
MT =154 (N,2NP) + (N,ND)	CROSS-SECTION	(Np239 PRODUCTION)		9441	1451	52
MT =155 (N,3NP) + (N,2ND)	CROSS-SECTION	(Np238 PRODUCTION)		9441	1451	53
MT =156 (N,4NP) + (N,3ND)	CROSS-SECTION	(Np237 PRODUCTION)		9441	1451	54
MT =157 (N,5NP) + (N,4ND)	CROSS-SECTION	(Np236 PRODUCTION)		9441	1451	55
MT =158 (N,6NP) + (N,5ND)	CROSS-SECTION	(Np235 PRODUCTION)		9441	1451	56
MT =159 (N,7NP) + (N,6ND)	CROSS-SECTION	(Np234 PRODUCTION)		9441	1451	57
MT =160 (N,8NP) + (N,7ND)	CROSS-SECTION	(Np233 PRODUCTION)		9441	1451	58
MT =161 (N,9NP) + (N,8ND)	CROSS-SECTION	(Np232 PRODUCTION)		9441	1451	59
MT =162 (N,10NP) + (N,9ND)	CROSS-SECTION	(Np231 PRODUCTION)		9441	1451	60
MT =174 (N,N2P) + (N,PD)	CROSS-SECTION	(U239 PRODUCTION)		9441	1451	61
MT =175 (N,2N2P) + (N,X)	CROSS-SECTION	(U238 PRODUCTION)		9441	1451	62
MT =176 (N,3N2P) + (N,X)	CROSS-SECTION	(U237 PRODUCTION)		9441	1451	63
MT =177 (N,4N2P) + (N,X)	CROSS-SECTION	(U236 PRODUCTION)		9441	1451	64
MT =178 (N,5N2P) + (N,X)	CROSS-SECTION	(U235 PRODUCTION)		9441	1451	65
MT =179 (N,6N2P) + (N,X)	CROSS-SECTION	(U234 PRODUCTION)		9441	1451	66
MT =180 (N,7N2P) + (N,X)	CROSS-SECTION	(U233 PRODUCTION)		9441	1451	67
MT =181 (N,8N2P) + (N,X)	CROSS-SECTION	(U232 PRODUCTION)		9441	1451	68
MT =182 (N,9N2P) + (N,X)	CROSS-SECTION	(U231 PRODUCTION)		9441	1451	69
MT =183 (N,10N2P) + (N,X)	CROSS-SECTION	(U230 PRODUCTION)		9441	1451	70
				9441	1451	71
	1	451	104	19441	1451	72
	3	16	23	19441	1451	73
	3	17	21	19441	1451	74
	3	18	37	19441	1451	75
	3	37	19	19441	1451	76
	3	103	23	19441	1451	77
	3	111	18	19441	1451	78
	3	121	17	19441	1451	79
	3	122	15	19441	1451	80
	3	123	12	19441	1451	81
	3	124	11	19441	1451	82
	3	125	10	19441	1451	83
	3	126	9	19441	1451	84
	3	153	21	19441	1451	85
	3	154	19	19441	1451	86
	3	155	18	19441	1451	87
	3	156	16	19441	1451	88
	3	157	14	19441	1451	89
	3	158	12	19441	1451	90
	3	159	10	19441	1451	91
	3	160	9	19441	1451	92
	3	161	8	19441	1451	93
	3	162	7	19441	1451	94
	3	174	15	19441	1451	95
	3	175	24	19441	1451	96
	3	176	22	19441	1451	97
	3	177	20	19441	1451	98

9.5000E+05	1.5500E+00	1.0000E+06	1.5700E+00	1.1000E+06	1.5700E+009441	3	18	166
1.2000E+06	1.6300E+00	1.4000E+06	1.7200E+00	1.6000E+06	1.7500E+009441	3	18	167
1.8000E+06	1.7300E+00	2.0000E+06	1.7160E+00	3.0000E+06	1.4537E+009441	3	18	168
4.0000E+06	1.3787E+00	5.0000E+06	1.3312E+00	6.0000E+06	1.3145E+009441	3	18	169
7.0000E+06	1.7702E+00	8.0000E+06	2.0040E+00	9.0000E+06	2.0314E+009441	3	18	170
1.0000E+07	2.0131E+00	1.1000E+07	1.9962E+00	1.2000E+07	1.9722E+009441	3	18	171
1.3000E+07	2.0083E+00	1.4000E+07	2.0817E+00	1.5000E+07	2.1266E+009441	3	18	172
1.6000E+07	2.1431E+00	1.7000E+07	2.1479E+00	1.8000E+07	2.1521E+009441	3	18	173
1.9000E+07	2.1455E+00	2.0000E+07	2.1388E+00	2.1000E+07	2.1322E+009441	3	18	174
2.2000E+07	2.1534E+00	2.3000E+07	2.1714E+00	2.4000E+07	2.1872E+009441	3	18	175
2.5000E+07	2.1981E+00	2.6000E+07	2.2068E+00	2.7000E+07	2.2072E+009441	3	18	176
2.8000E+07	2.2041E+00	2.9000E+07	2.2002E+00	3.0000E+07	2.1956E+009441	3	18	177
3.1000E+07	2.1959E+00	3.2000E+07	2.1936E+00	3.3000E+07	2.1905E+009441	3	18	178
3.4000E+07	2.1846E+00	3.5000E+07	2.1784E+00	3.6000E+07	2.1725E+009441	3	18	179
3.7000E+07	2.1648E+00	3.8000E+07	2.1582E+00	3.9000E+07	2.1528E+009441	3	18	180
4.0000E+07	2.1453E+00	4.2000E+07	2.1389E+00	4.4000E+07	2.1230E+009441	3	18	181
4.6000E+07	2.1072E+00	4.8000E+07	2.0948E+00	5.0000E+07	2.0830E+009441	3	18	182
5.2000E+07	2.0684E+00	5.4000E+07	2.0541E+00	5.6000E+07	2.0393E+009441	3	18	183
5.8000E+07	2.0273E+00	6.0000E+07	2.0154E+00	6.2000E+07	2.0098E+009441	3	18	184
6.4000E+07	1.9979E+00	6.6000E+07	1.9853E+00	6.8000E+07	1.9733E+009441	3	18	185
7.0000E+07	1.9621E+00	7.2000E+07	1.9495E+00	7.4000E+07	1.9368E+009441	3	18	186
7.6000E+07	1.9249E+00	7.8000E+07	1.9139E+00	8.0000E+07	1.9026E+009441	3	18	187
8.5000E+07	1.8761E+00	9.0000E+07	1.8497E+00	9.5000E+07	1.8235E+009441	3	18	188
1.0000E+08	1.7996E+00				9441	3	18	189
					9441	3	0	190
9.4241E+04	2.4100E+02	0	0	0	09441	3	37	191
-1.7423E+07	-1.7423E+07	0	0	1	489441	3	37	192
	48				9441	3	37	193
1.7495E+07	0.0000E+00	1.8000E+07	3.4400E-06	1.9000E+07	1.4369E-029441	3	37	194
2.0000E+07	2.8734E-02	2.1000E+07	4.3100E-02	2.2000E+07	6.3800E-029441	3	37	195
2.3000E+07	7.6100E-02	2.4000E+07	8.0300E-02	2.5000E+07	8.4800E-029441	3	37	196
2.6000E+07	8.8100E-02	2.7000E+07	8.9200E-02	2.8000E+07	8.6000E-029441	3	37	197
2.9000E+07	7.9900E-02	3.0000E+07	7.1900E-02	3.1000E+07	6.3300E-029441	3	37	198
3.2000E+07	5.5000E-02	3.3000E+07	4.7600E-02	3.4000E+07	4.1800E-029441	3	37	199
3.5000E+07	3.6700E-02	3.6000E+07	3.2800E-02	3.7000E+07	2.9500E-029441	3	37	200
3.8000E+07	2.6800E-02	3.9000E+07	2.4700E-02	4.0000E+07	2.2800E-029441	3	37	201
4.2000E+07	1.7200E-02	4.4000E+07	1.5500E-02	4.6000E+07	1.4100E-029441	3	37	202
4.8000E+07	1.2900E-02	5.0000E+07	1.1800E-02	5.2000E+07	1.1200E-029441	3	37	203
5.4000E+07	1.0600E-02	5.6000E+07	1.0500E-02	5.8000E+07	1.0000E-029441	3	37	204
6.0000E+07	9.7400E-03	6.2000E+07	9.3200E-03	6.4000E+07	9.0200E-039441	3	37	205
6.6000E+07	8.7500E-03	6.8000E+07	8.5000E-03	7.0000E+07	8.2200E-039441	3	37	206
7.2000E+07	7.9000E-03	7.4000E+07	7.7500E-03	7.6000E+07	7.6200E-039441	3	37	207
7.8000E+07	7.4000E-03	8.0000E+07	7.2500E-03	8.5000E+07	6.8500E-039441	3	37	208
9.0000E+07	6.5500E-03	9.5000E+07	6.2200E-03	1.0000E+08	5.8700E-039441	3	37	209
					9441	3	0	210
9.4241E+04	2.4100E+02	0	0	0	09441	3103		211
-5.7453E+05	-5.7453E+05	0	0	1	589441	3103		212
	58				9441	3103		213
5.7692E+05	0.0000E+00	8.0000E+06	4.2300E-05	9.0000E+06	1.8100E-049441	3103		214
1.0000E+07	5.3000E-04	1.1000E+07	1.1500E-03	1.2000E+07	2.3000E-039441	3103		215
1.3000E+07	4.0600E-03	1.4000E+07	5.6900E-03	1.5000E+07	8.9500E-039441	3103		216
1.6000E+07	1.3000E-02	1.7000E+07	1.7300E-02	1.8000E+07	1.9600E-029441	3103		217
1.9000E+07	2.2900E-02	2.0000E+07	2.6200E-02	2.1000E+07	2.9500E-029441	3103		218
2.2000E+07	3.0200E-02	2.3000E+07	3.2400E-02	2.4000E+07	3.4400E-029441	3103		219
2.5000E+07	3.6100E-02	2.6000E+07	3.6300E-02	2.7000E+07	3.6800E-029441	3103		220
2.8000E+07	3.6800E-02	2.9000E+07	3.7200E-02	3.0000E+07	3.7600E-029441	3103		221
3.1000E+07	3.7600E-02	3.2000E+07	3.7900E-02	3.3000E+07	3.7900E-029441	3103		222
3.4000E+07	3.7800E-02	3.5000E+07	3.7500E-02	3.6000E+07	3.6900E-029441	3103		223
3.7000E+07	3.6600E-02	3.8000E+07	3.6100E-02	3.9000E+07	3.5900E-029441	3103		224
4.0000E+07	3.5700E-02	4.2000E+07	3.4600E-02	4.4000E+07	3.3800E-029441	3103		225
4.6000E+07	3.3200E-02	4.8000E+07	3.2300E-02	5.0000E+07	3.1600E-029441	3103		226
5.2000E+07	3.0800E-02	5.4000E+07	2.9900E-02	5.6000E+07	3.1900E-029441	3103		227
5.8000E+07	3.1100E-02	6.0000E+07	3.0200E-02	6.2000E+07	2.9300E-029441	3103		228
6.4000E+07	2.8500E-02	6.6000E+07	2.7600E-02	6.8000E+07	2.6900E-029441	3103		229
7.0000E+07	2.6200E-02	7.2000E+07	2.5600E-02	7.4000E+07	2.5000E-029441	3103		230
7.6000E+07	2.4400E-02	7.8000E+07	2.3800E-02	8.0000E+07	2.3200E-029441	3103		231
8.5000E+07	2.1800E-02	9.0000E+07	2.0400E-02	9.5000E+07	1.9300E-029441	3103		232

1.0000E+08	1.8300E-02					9441	3103	233
						9441	3 0	234
9.4241E+04	2.4100E+02	0	0	0		09441	3111	235
-6.2658E+06	-6.2658E+06	0	0	1		459441	3111	236
45	2					9441	3111	237
6.2918E+06	0.0000E+00	2.1000E+07	2.5400E-06	2.2000E+07	9.2600E-06	9441	3111	238
2.3000E+07	2.6900E-05	2.4000E+07	6.2800E-05	2.5000E+07	1.2300E-04	9441	3111	239
2.6000E+07	1.9000E-04	2.7000E+07	3.0100E-04	2.8000E+07	4.3900E-04	9441	3111	240
2.9000E+07	6.0300E-04	3.0000E+07	7.9200E-04	3.1000E+07	9.3400E-04	9441	3111	241
3.2000E+07	1.1600E-03	3.3000E+07	1.3900E-03	3.4000E+07	1.6500E-03	9441	3111	242
3.5000E+07	1.9200E-03	3.6000E+07	2.1100E-03	3.7000E+07	2.4000E-03	9441	3111	243
3.8000E+07	2.7200E-03	3.9000E+07	3.0500E-03	4.0000E+07	3.3900E-03	9441	3111	244
4.2000E+07	3.8200E-03	4.4000E+07	4.3900E-03	4.6000E+07	4.8700E-03	9441	3111	245
4.8000E+07	5.1900E-03	5.0000E+07	5.4600E-03	5.2000E+07	5.6300E-03	9441	3111	246
5.4000E+07	5.7900E-03	5.6000E+07	5.8900E-03	5.8000E+07	5.9500E-03	9441	3111	247
6.0000E+07	6.0600E-03	6.2000E+07	6.1300E-03	6.4000E+07	6.2000E-03	9441	3111	248
6.6000E+07	6.2700E-03	6.8000E+07	6.3300E-03	7.0000E+07	6.3500E-03	9441	3111	249
7.2000E+07	6.3500E-03	7.4000E+07	6.2900E-03	7.6000E+07	6.3100E-03	9441	3111	250
7.8000E+07	6.3400E-03	8.0000E+07	6.3800E-03	8.5000E+07	6.4400E-03	9441	3111	251
9.0000E+07	6.4200E-03	9.5000E+07	6.4200E-03	1.0000E+08	6.4000E-03	9441	3 0	252
						9441	3 0	253
9.4241E+04	2.4100E+02	0	0	0		09441	3121	254
-2.4421E+07	-2.4421E+07	0	0	1		419441	3121	255
41	2					9441	3121	256
2.4522E+07	0.0000E+00	2.5000E+07	1.6900E-08	2.6000E+07	6.6300E-06	9441	3121	257
2.7000E+07	1.4300E-04	2.8000E+07	7.0400E-04	2.9000E+07	2.0700E-03	9441	3121	258
3.0000E+07	4.0500E-03	3.1000E+07	6.4000E-03	3.2000E+07	8.6700E-03	9441	3121	259
3.3000E+07	1.0700E-02	3.4000E+07	1.2300E-02	3.5000E+07	1.3400E-02	9441	3121	260
3.6000E+07	1.3800E-02	3.7000E+07	1.3600E-02	3.8000E+07	1.2900E-02	9441	3121	261
3.9000E+07	1.1900E-02	4.0000E+07	1.0800E-02	4.2000E+07	8.3300E-03	9441	3121	262
4.4000E+07	6.7000E-03	4.6000E+07	5.4600E-03	4.8000E+07	4.6000E-03	9441	3121	263
5.0000E+07	3.9300E-03	5.2000E+07	3.4600E-03	5.4000E+07	3.1100E-03	9441	3121	264
5.6000E+07	2.8200E-03	5.8000E+07	2.5800E-03	6.0000E+07	2.3900E-03	9441	3121	265
6.2000E+07	2.2400E-03	6.4000E+07	2.1100E-03	6.6000E+07	1.9900E-03	9441	3121	266
6.8000E+07	1.8900E-03	7.0000E+07	1.7900E-03	7.2000E+07	1.7100E-03	9441	3121	267
7.4000E+07	1.6500E-03	7.6000E+07	1.5800E-03	7.8000E+07	1.5300E-03	9441	3121	268
8.0000E+07	1.4800E-03	8.5000E+07	1.3700E-03	9.0000E+07	1.2800E-03	9441	3121	269
9.5000E+07	1.2100E-03	1.0000E+08	1.1500E-03			9441	3121	270
						9441	3 0	271
9.4241E+04	2.4100E+02	0	0	0		09441	3122	272
-3.0294E+07	-3.0294E+07	0	0	1		359441	3122	273
35	2					9441	3122	274
3.0420E+07	0.0000E+00	3.1000E+07	5.2700E-11	3.2000E+07	5.0400E-08	9441	3122	275
3.3000E+07	2.2200E-06	3.4000E+07	1.9000E-05	3.5000E+07	8.1500E-05	9441	3122	276
3.6000E+07	1.9600E-04	3.7000E+07	3.6500E-04	3.8000E+07	5.7600E-04	9441	3122	277
3.9000E+07	8.0400E-04	4.0000E+07	1.0200E-03	4.2000E+07	1.3800E-03	9441	3122	278
4.4000E+07	1.5600E-03	4.6000E+07	1.5500E-03	4.8000E+07	1.4200E-03	9441	3122	279
5.0000E+07	1.2200E-03	5.2000E+07	1.0300E-03	5.4000E+07	8.0600E-04	9441	3122	280
5.6000E+07	6.8700E-04	5.8000E+07	5.9500E-04	6.0000E+07	5.3000E-04	9441	3122	281
6.2000E+07	4.8900E-04	6.4000E+07	4.4800E-04	6.6000E+07	4.0600E-04	9441	3122	282
6.8000E+07	3.7400E-04	7.0000E+07	3.4900E-04	7.2000E+07	3.2700E-04	9441	3122	283
7.4000E+07	3.1000E-04	7.6000E+07	2.9600E-04	7.8000E+07	2.8200E-04	9441	3122	284
8.0000E+07	2.6900E-04	8.5000E+07	2.4400E-04	9.0000E+07	2.2200E-04	9441	3122	285
9.5000E+07	2.0500E-04	1.0000E+08	1.9300E-04			9441	3122	286
						9441	3 0	287
9.4241E+04	2.4100E+02	0	0	0		09441	3123	288
-3.7637E+07	-3.7637E+07	0	0	1		279441	3123	289
27	2					9441	3123	290
3.7793E+07	0.0000E+00	3.9000E+07	7.8400E-12	4.0000E+07	1.1000E-09	9441	3123	291
4.2000E+07	3.7700E-07	4.4000E+07	3.3200E-06	4.6000E+07	1.2300E-05	9441	3123	292
4.8000E+07	2.6300E-05	5.0000E+07	4.3800E-05	5.2000E+07	5.7900E-05	9441	3123	293
5.4000E+07	6.5700E-05	5.6000E+07	6.6200E-05	5.8000E+07	6.3000E-05	9441	3123	294
6.0000E+07	5.7300E-05	6.2000E+07	5.1900E-05	6.4000E+07	4.5300E-05	9441	3123	295
6.6000E+07	3.9500E-05	6.8000E+07	3.4600E-05	7.0000E+07	3.0600E-05	9441	3123	296
7.2000E+07	2.7500E-05	7.4000E+07	2.5000E-05	7.6000E+07	2.2800E-05	9441	3123	297
7.8000E+07	2.1200E-05	8.0000E+07	1.9600E-05	8.5000E+07	1.7000E-05	9441	3123	298
9.0000E+07	1.4800E-05	9.5000E+07	1.3400E-05	1.0000E+08	1.2200E-05	9441	3123	299

							9441	3	0	300
9.4241E+04	2.4100E+02	0	0	0	0	09441	3124	301		
-4.3891E+07	-4.3891E+07	0	0	1	239441	3124	302			
23	2					9441	3124	303		
4.4073E+07	0.0000E+00	4.6000E+07	2.8800E-12	4.8000E+07	7.7600E-10	9441	3124	304		
5.0000E+07	2.1700E-08	5.2000E+07	1.3700E-07	5.4000E+07	4.4800E-07	9441	3124	305		
5.6000E+07	1.0000E-06	5.8000E+07	1.6000E-06	6.0000E+07	2.1200E-06	9441	3124	306		
6.2000E+07	2.4800E-06	6.4000E+07	2.6700E-06	6.6000E+07	2.6800E-06	9441	3124	307		
6.8000E+07	2.5600E-06	7.0000E+07	2.3900E-06	7.2000E+07	2.1700E-06	9441	3124	308		
7.4000E+07	1.9600E-06	7.6000E+07	1.7600E-06	7.8000E+07	1.5700E-06	9441	3124	309		
8.0000E+07	1.4200E-06	8.5000E+07	1.1300E-06	9.0000E+07	9.5200E-07	9441	3124	310		
9.5000E+07	8.4700E-07	1.0000E+08	7.7200E-07			9441	3124	311		
						9441	3	0	312	
9.4241E+04	2.4100E+02	0	0	0	09441	3125	313			
-5.1663E+07	-5.1663E+07	0	0	1	199441	3125	314			
19	2					9441	3125	315		
5.1877E+07	0.0000E+00	5.4000E+07	1.0600E-14	5.6000E+07	3.2000E-12	9441	3125	316		
5.8000E+07	7.1800E-11	6.0000E+07	6.2100E-10	6.2000E+07	2.3500E-09	9441	3125	317		
6.4000E+07	6.9300E-09	6.6000E+07	1.5700E-08	6.8000E+07	2.6700E-08	9441	3125	318		
7.0000E+07	3.8500E-08	7.2000E+07	4.8500E-08	7.4000E+07	5.4400E-08	9441	3125	319		
7.6000E+07	5.7500E-08	7.8000E+07	5.8000E-08	8.0000E+07	5.6000E-08	9441	3125	320		
8.5000E+07	4.7300E-08	9.0000E+07	3.6600E-08	9.5000E+07	2.9800E-08	9441	3125	321		
1.0000E+08	2.4700E-08					9441	3125	322		
						9441	3	0	323	
9.4241E+04	2.4100E+02	0	0	0	09441	3126	324			
-5.8054E+07	-5.8054E+07	0	0	1	169441	3126	325			
16	2					9441	3126	326		
5.8295E+07	0.0000E+00	6.0000E+07	6.6200E-20	6.2000E+07	1.3100E-16	9441	3126	327		
6.4000E+07	1.7600E-14	6.6000E+07	4.4500E-13	6.8000E+07	3.8500E-12	9441	3126	328		
7.0000E+07	1.8200E-11	7.2000E+07	5.5800E-11	7.4000E+07	1.1800E-10	9441	3126	329		
7.6000E+07	2.1600E-10	7.8000E+07	3.3200E-10	8.0000E+07	4.4100E-10	9441	3126	330		
8.5000E+07	6.0700E-10	9.0000E+07	6.0600E-10	9.5000E+07	5.3100E-10	9441	3126	331		
1.0000E+08	4.4800E-10					9441	3126	332		
						9441	3	0	333	
9.4241E+04	2.4100E+02	0	0	0	09441	3153	334			
-4.3216E+06	-4.3216E+06	0	0	1	529441	3153	335			
52	2					9441	3153	336		
4.3395E+06	0.0000E+00	1.4000E+07	1.1300E-03	1.5000E+07	2.1100E-03	9441	3153	337		
1.6000E+07	3.4000E-03	1.7000E+07	4.9300E-03	1.8000E+07	5.8000E-03	9441	3153	338		
1.9000E+07	8.5333E-03	2.0000E+07	1.1267E-02	2.1000E+07	1.4000E-02	9441	3153	339		
2.2000E+07	1.6300E-02	2.3000E+07	2.0500E-02	2.4000E+07	2.5400E-02	9441	3153	340		
2.5000E+07	2.9900E-02	2.6000E+07	3.2300E-02	2.7000E+07	3.6700E-02	9441	3153	341		
2.8000E+07	4.0600E-02	2.9000E+07	4.3700E-02	3.0000E+07	4.6100E-02	9441	3153	342		
3.1000E+07	4.7100E-02	3.2000E+07	4.9200E-02	3.3000E+07	5.0300E-02	9441	3153	343		
3.4000E+07	5.0600E-02	3.5000E+07	5.0400E-02	3.6000E+07	4.9300E-02	9441	3153	344		
3.7000E+07	4.9400E-02	3.8000E+07	4.9500E-02	3.9000E+07	4.9600E-02	9441	3153	345		
4.0000E+07	4.9600E-02	4.2000E+07	4.7600E-02	4.4000E+07	4.7500E-02	9441	3153	346		
4.6000E+07	4.7200E-02	4.8000E+07	4.6900E-02	5.0000E+07	4.6800E-02	9441	3153	347		
5.2000E+07	4.6500E-02	5.4000E+07	4.6200E-02	5.6000E+07	4.5900E-02	9441	3153	348		
5.8000E+07	4.5700E-02	6.0000E+07	4.5700E-02	6.2000E+07	4.5400E-02	9441	3153	349		
6.4000E+07	4.5100E-02	6.6000E+07	4.4600E-02	6.8000E+07	4.4200E-02	9441	3153	350		
7.0000E+07	4.3900E-02	7.2000E+07	4.3700E-02	7.4000E+07	4.3300E-02	9441	3153	351		
7.6000E+07	4.2900E-02	7.8000E+07	4.2400E-02	8.0000E+07	4.2100E-02	9441	3153	352		
8.5000E+07	4.1800E-02	9.0000E+07	4.0700E-02	9.5000E+07	3.9800E-02	9441	3153	353		
1.0000E+08	3.9000E-02					9441	3153	354		
						9441	3	0	355	
9.4241E+04	2.4100E+02	0	0	0	09441	3154	356			
-9.4897E+06	-9.4897E+06	0	0	1	489441	3154	357			
48	2					9441	3154	358		
9.5290E+06	0.0000E+00	1.8000E+07	1.1300E-09	1.9000E+07	8.4007E-06	9441	3154	359		
2.0000E+07	1.6800E-05	2.1000E+07	2.5200E-05	2.2000E+07	9.3900E-05	9441	3154	360		
2.3000E+07	2.6300E-04	2.4000E+07	6.4300E-04	2.5000E+07	1.3100E-03	9441	3154	361		
2.6000E+07	2.3200E-03	2.7000E+07	3.8000E-03	2.8000E+07	5.7800E-03	9441	3154	362		
2.9000E+07	8.2000E-03	3.0000E+07	1.0800E-02	3.1000E+07	1.3700E-02	9441	3154	363		
3.2000E+07	1.7000E-02	3.3000E+07	2.0800E-02	3.4000E+07	2.4800E-02	9441	3154	364		
3.5000E+07	2.8300E-02	3.6000E+07	3.0700E-02	3.7000E+07	3.3300E-02	9441	3154	365		
3.8000E+07	3.5500E-02	3.9000E+07	3.7400E-02	4.0000E+07	3.9300E-02	9441	3154	366		

4.2000E+07	4.0900E-02	4.4000E+07	4.2400E-02	4.6000E+07	4.3400E-029441	3154	367
4.8000E+07	4.2900E-02	5.0000E+07	4.2300E-02	5.2000E+07	4.0900E-029441	3154	368
5.4000E+07	4.0200E-02	5.6000E+07	3.8700E-02	5.8000E+07	3.8000E-029441	3154	369
6.0000E+07	3.6600E-02	6.2000E+07	3.5700E-02	6.4000E+07	3.5400E-029441	3154	370
6.6000E+07	3.5200E-02	6.8000E+07	3.4600E-02	7.0000E+07	3.4000E-029441	3154	371
7.2000E+07	3.3600E-02	7.4000E+07	3.3300E-02	7.6000E+07	3.3000E-029441	3154	372
7.8000E+07	3.2800E-02	8.0000E+07	3.2600E-02	8.5000E+07	3.0900E-029441	3154	373
9.0000E+07	3.0600E-02	9.5000E+07	3.0400E-02	1.0000E+08	2.9400E-029441	3154	374
					9441 3 0		375
9.4241E+04	2.4100E+02	0	0	0	09441	3155	376
-1.5708E+07	-1.5708E+07	0	0	1	439441	3155	377
	43	2			9441	3155	378
1.5773E+07	0.0000E+00	2.3000E+07	2.0700E-11	2.4000E+07	3.5300E-109441	3155	379
2.5000E+07	4.2700E-09	2.6000E+07	1.3000E-07	2.7000E+07	1.1000E-069441	3155	380
2.8000E+07	5.7200E-06	2.9000E+07	2.1200E-05	3.0000E+07	5.8200E-059441	3155	381
3.1000E+07	1.3400E-04	3.2000E+07	2.7200E-04	3.3000E+07	4.7700E-049441	3155	382
3.4000E+07	7.7300E-04	3.5000E+07	1.1600E-03	3.6000E+07	1.6100E-039441	3155	383
3.7000E+07	2.1100E-03	3.8000E+07	2.6700E-03	3.9000E+07	3.2700E-039441	3155	384
4.0000E+07	3.8400E-03	4.2000E+07	4.9700E-03	4.4000E+07	5.9000E-039441	3155	385
4.6000E+07	6.7100E-03	4.8000E+07	7.5800E-03	5.0000E+07	8.3900E-039441	3155	386
5.2000E+07	9.1600E-03	5.4000E+07	9.6200E-03	5.6000E+07	1.0000E-029441	3155	387
5.8000E+07	1.0200E-02	6.0000E+07	1.0300E-02	6.2000E+07	1.0000E-029441	3155	388
6.4000E+07	9.6900E-03	6.6000E+07	9.3000E-03	6.8000E+07	8.9500E-039441	3155	389
7.0000E+07	8.6000E-03	7.2000E+07	8.3700E-03	7.4000E+07	8.1300E-039441	3155	390
7.6000E+07	7.9400E-03	7.8000E+07	7.7700E-03	8.0000E+07	7.6200E-039441	3155	391
8.5000E+07	7.3200E-03	9.0000E+07	7.0700E-03	9.5000E+07	6.8600E-039441	3155	392
1.0000E+08	6.7000E-03				9441	3155	393
					9441 3 0		394
9.4241E+04	2.4100E+02	0	0	0	09441	3156	395
-2.1196E+07	-2.1196E+07	0	0	1	389441	3156	396
	38	2			9441	3156	397
2.1284E+07	0.0000E+00	2.8000E+07	2.8500E-14	2.9000E+07	2.7400E-119441	3156	398
3.0000E+07	4.2700E-10	3.1000E+07	3.7400E-09	3.2000E+07	5.4300E-089441	3156	399
3.3000E+07	4.0700E-07	3.4000E+07	2.0600E-06	3.5000E+07	7.7000E-069441	3156	400
3.6000E+07	2.2700E-05	3.7000E+07	5.3700E-05	3.8000E+07	1.1500E-049441	3156	401
3.9000E+07	2.1700E-04	4.0000E+07	3.6000E-04	4.2000E+07	7.8500E-049441	3156	402
4.4000E+07	1.3600E-03	4.6000E+07	1.9700E-03	4.8000E+07	2.5700E-039441	3156	403
5.0000E+07	3.1200E-03	5.2000E+07	3.5500E-03	5.4000E+07	3.9600E-039441	3156	404
5.6000E+07	4.3300E-03	5.8000E+07	4.6600E-03	6.0000E+07	5.0700E-039441	3156	405
6.2000E+07	5.4500E-03	6.4000E+07	5.7500E-03	6.6000E+07	5.9500E-039441	3156	406
6.8000E+07	6.1400E-03	7.0000E+07	6.2900E-03	7.2000E+07	6.3600E-039441	3156	407
7.4000E+07	6.3500E-03	7.6000E+07	6.3600E-03	7.8000E+07	6.2400E-039441	3156	408
8.0000E+07	6.0800E-03	8.5000E+07	5.6000E-03	9.0000E+07	5.1700E-039441	3156	409
9.5000E+07	4.7900E-03	1.0000E+08	4.5800E-03		9441	3156	410
					9441 3 0		411
9.4241E+04	2.4100E+02	0	0	0	09441	3157	412
-2.7824E+07	-2.7824E+07	0	0	1	319441	3157	413
	31	2			9441	3157	414
2.7940E+07	0.0000E+00	3.5000E+07	6.0600E-15	3.6000E+07	2.3600E-129441	3157	415
3.7000E+07	4.7700E-11	3.8000E+07	4.6800E-10	3.9000E+07	4.4100E-099441	3157	416
4.0000E+07	3.3400E-08	4.2000E+07	1.0000E-06	4.4000E+07	8.1700E-069441	3157	417
4.6000E+07	3.5100E-05	4.8000E+07	1.0400E-04	5.0000E+07	2.3000E-049441	3157	418
5.2000E+07	4.0700E-04	5.4000E+07	6.1400E-04	5.6000E+07	7.5900E-049441	3157	419
5.8000E+07	9.4300E-04	6.0000E+07	1.1100E-03	6.2000E+07	1.2400E-039441	3157	420
6.4000E+07	1.3600E-03	6.6000E+07	1.4600E-03	6.8000E+07	1.5500E-039441	3157	421
7.0000E+07	1.6300E-03	7.2000E+07	1.6900E-03	7.4000E+07	1.7600E-039441	3157	422
7.6000E+07	1.8200E-03	7.8000E+07	1.9000E-03	8.0000E+07	1.9700E-039441	3157	423
8.5000E+07	2.1100E-03	9.0000E+07	2.1200E-03	9.5000E+07	2.0600E-039441	3157	424
1.0000E+08	1.9100E-03				9441	3157	425
					9441 3 0		426
9.4241E+04	2.4100E+02	0	0	0	09441	3158	427
-3.3510E+07	-3.3510E+07	0	0	1	259441	3158	428
	25	2			9441	3158	429
3.3649E+07	0.0000E+00	4.2000E+07	7.1700E-13	4.4000E+07	1.2800E-109441	3158	430
4.6000E+07	5.2500E-09	4.8000E+07	1.0800E-07	5.0000E+07	9.6600E-079441	3158	431
5.2000E+07	5.6500E-06	5.4000E+07	2.0100E-05	5.6000E+07	3.9400E-059441	3158	432
5.8000E+07	8.2000E-05	6.0000E+07	1.4700E-04	6.2000E+07	2.2100E-049441	3158	433

6.4000E+07	2.9800E-04	6.6000E+07	3.6300E-04	6.8000E+07	4.1500E-04	9441	3158	434
7.0000E+07	4.6000E-04	7.2000E+07	4.9900E-04	7.4000E+07	5.3000E-04	9441	3158	435
7.6000E+07	5.5100E-04	7.8000E+07	5.7800E-04	8.0000E+07	6.0000E-04	9441	3158	436
8.5000E+07	6.6300E-04	9.0000E+07	7.2300E-04	9.5000E+07	7.6400E-04	9441	3158	437
1.0000E+08	8.0900E-04					9441	3158	438
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0		09441	3159	440
-4.0493E+07	-4.0493E+07	0	0	1		219441	3159	441
21	2					9441	3159	442
4.0661E+07	0.0000E+00	5.0000E+07	2.4400E-13	5.2000E+07	3.0100E-11	9441	3159	443
5.4000E+07	7.5900E-10	5.6000E+07	7.3800E-09	5.8000E+07	6.7600E-08	9441	3159	444
6.0000E+07	4.2800E-07	6.2000E+07	1.7500E-06	6.4000E+07	5.2800E-06	9441	3159	445
6.6000E+07	1.2400E-05	6.8000E+07	2.3400E-05	7.0000E+07	3.6300E-05	9441	3159	446
7.2000E+07	5.0200E-05	7.4000E+07	6.3500E-05	7.6000E+07	7.6600E-05	9441	3159	447
7.8000E+07	8.7100E-05	8.0000E+07	9.5200E-05	8.5000E+07	1.1000E-04	9441	3159	448
9.0000E+07	1.2200E-04	9.5000E+07	1.3400E-04	1.0000E+08	1.4300E-04	9441	3159	449
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0		09441	3160	451
-4.6623E+07	-4.6623E+07	0	0	1		189441	3160	452
18	2					9441	3160	453
4.6817E+07	0.0000E+00	5.6000E+07	3.7300E-15	5.8000E+07	5.5500E-13	9441	3160	454
6.0000E+07	2.0100E-11	6.2000E+07	2.5300E-10	6.4000E+07	2.8200E-09	9441	3160	455
6.6000E+07	2.1400E-08	6.8000E+07	1.0300E-07	7.0000E+07	3.4700E-07	9441	3160	456
7.2000E+07	8.8900E-07	7.4000E+07	1.8700E-06	7.6000E+07	3.4900E-06	9441	3160	457
7.8000E+07	5.6400E-06	8.0000E+07	8.2400E-06	8.5000E+07	1.4700E-05	9441	3160	458
9.0000E+07	1.8900E-05	9.5000E+07	2.1200E-05	1.0000E+08	2.3200E-05	9441	3160	459
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0		09441	3161	461
-5.3975E+07	-5.3975E+07	0	0	1		149441	3161	462
14	2					9441	3161	463
5.4199E+07	0.0000E+00	6.4000E+07	2.1700E-16	6.6000E+07	3.8600E-14	9441	3161	464
6.8000E+07	1.1900E-12	7.0000E+07	1.9300E-11	7.2000E+07	1.7400E-10	9441	3161	465
7.4000E+07	1.0700E-09	7.6000E+07	5.7700E-09	7.8000E+07	2.1300E-08	9441	3161	466
8.0000E+07	6.7300E-08	8.5000E+07	4.7400E-07	9.0000E+07	1.3700E-06	9441	3161	467
9.5000E+07	2.3100E-06	1.0000E+08	3.0000E-06			9441	3161	468
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0		09441	3162	470
-6.0383E+07	-6.0383E+07	0	0	1		119441	3162	471
11	2					9441	3162	472
6.0633E+07	0.0000E+00	7.0000E+07	8.4500E-20	7.2000E+07	3.0200E-17	9441	3162	473
7.4000E+07	1.4700E-15	7.6000E+07	4.0100E-14	7.8000E+07	4.9300E-13	9441	3162	474
8.0000E+07	4.8700E-12	8.5000E+07	2.7800E-10	9.0000E+07	3.5300E-09	9441	3162	475
9.5000E+07	1.5700E-08	1.0000E+08	3.8000E-08			9441	3162	476
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0		09441	3174	478
-9.9730E+06	-9.9730E+06	0	0	1		359441	3174	479
35	2					9441	3174	480
1.0014E+07	0.0000E+00	3.1000E+07	4.2600E-11	3.2000E+07	1.1600E-09	9441	3174	481
3.3000E+07	1.1900E-08	3.4000E+07	6.1000E-08	3.5000E+07	1.9800E-07	9441	3174	482
3.6000E+07	5.1900E-07	3.7000E+07	1.2200E-06	3.8000E+07	2.4500E-06	9441	3174	483
3.9000E+07	5.3900E-06	4.0000E+07	1.0300E-05	4.2000E+07	6.1100E-05	9441	3174	484
4.4000E+07	1.7800E-04	4.6000E+07	4.0300E-04	4.8000E+07	7.4200E-04	9441	3174	485
5.0000E+07	1.1600E-03	5.2000E+07	1.6400E-03	5.4000E+07	2.0800E-03	9441	3174	486
5.6000E+07	2.4200E-03	5.8000E+07	2.7900E-03	6.0000E+07	3.0200E-03	9441	3174	487
6.2000E+07	3.1700E-03	6.4000E+07	3.2700E-03	6.6000E+07	3.3200E-03	9441	3174	488
6.8000E+07	3.3500E-03	7.0000E+07	3.3900E-03	7.2000E+07	3.4200E-03	9441	3174	489
7.4000E+07	3.4500E-03	7.6000E+07	3.4500E-03	7.8000E+07	3.4200E-03	9441	3174	490
8.0000E+07	3.4400E-03	8.5000E+07	3.4400E-03	9.0000E+07	3.4500E-03	9441	3174	491
9.5000E+07	3.4100E-03	1.0000E+08	3.3900E-03			9441	3174	492
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0		09441	3175	494
1.1293E+07	1.1293E+07	0	0	1		619441	3175	495
61	2					9441	3175	496
1.0000E-05	0.0000E+00	5.0000E+06	1.3300E-08	6.0000E+06	1.1000E-07	9441	3175	497
7.0000E+06	5.2700E-07	8.0000E+06	2.0100E-06	9.0000E+06	6.6400E-06	9441	3175	498
1.0000E+07	1.9800E-05	1.1000E+07	5.2400E-05	1.2000E+07	1.2600E-04	9441	3175	499
1.3000E+07	2.6300E-04	1.4000E+07	4.8300E-04	1.5000E+07	7.9200E-04	9441	3175	500

1.6000E+07	1.1800E-03	1.7000E+07	1.6100E-03	1.8000E+07	2.0300E-039441	3175	501
1.9000E+07	2.2467E-03	2.0000E+07	2.4633E-03	2.1000E+07	2.6800E-039441	3175	502
2.2000E+07	2.7100E-03	2.3000E+07	2.6900E-03	2.4000E+07	2.6400E-039441	3175	503
2.5000E+07	2.5600E-03	2.6000E+07	2.4600E-03	2.7000E+07	2.3300E-039441	3175	504
2.8000E+07	2.2000E-03	2.9000E+07	2.0600E-03	3.0000E+07	1.9200E-039441	3175	505
3.1000E+07	1.7800E-03	3.2000E+07	1.6500E-03	3.3000E+07	1.5400E-039441	3175	506
3.4000E+07	1.4300E-03	3.5000E+07	1.3300E-03	3.6000E+07	1.2300E-039441	3175	507
3.7000E+07	1.1400E-03	3.8000E+07	1.0500E-03	3.9000E+07	9.6900E-049441	3175	508
4.0000E+07	8.8600E-04	4.2000E+07	7.5700E-04	4.4000E+07	6.4000E-049441	3175	509
4.6000E+07	5.4800E-04	4.8000E+07	4.7500E-04	5.0000E+07	4.2200E-049441	3175	510
5.2000E+07	4.1300E-04	5.4000E+07	4.6500E-04	5.6000E+07	5.8300E-049441	3175	511
5.8000E+07	7.5100E-04	6.0000E+07	1.0500E-03	6.2000E+07	1.4200E-039441	3175	512
6.4000E+07	1.7800E-03	6.6000E+07	2.1900E-03	6.8000E+07	2.5800E-039441	3175	513
7.0000E+07	2.8800E-03	7.2000E+07	3.2000E-03	7.4000E+07	3.4200E-039441	3175	514
7.6000E+07	3.5500E-03	7.8000E+07	3.6400E-03	8.0000E+07	3.6900E-039441	3175	515
8.5000E+07	3.7100E-03	9.0000E+07	3.6700E-03	9.5000E+07	3.6400E-039441	3175	516
1.0000E+08	3.5900E-03				9441	3175	517
					9441	3	0
9.4241E+04	2.4100E+02	0	0	0	09441	3176	519
5.1394E+06	5.1394E+06	0	0	1	559441	3176	520
	55	2			9441	3176	521
1.0000E-05	0.0000E+00	1.1000E+07	5.3800E-08	1.2000E+07	3.8600E-079441	3176	522
1.3000E+07	1.5200E-06	1.4000E+07	5.1700E-06	1.5000E+07	1.6100E-059441	3176	523
1.6000E+07	4.6300E-05	1.7000E+07	1.2100E-04	1.8000E+07	2.8200E-049441	3176	524
1.9000E+07	6.9467E-04	2.0000E+07	1.1073E-03	2.1000E+07	1.5200E-039441	3176	525
2.2000E+07	2.1300E-03	2.3000E+07	2.7600E-03	2.4000E+07	3.3400E-039441	3176	526
2.5000E+07	3.8100E-03	2.6000E+07	4.1300E-03	2.7000E+07	4.3000E-039441	3176	527
2.8000E+07	4.3600E-03	2.9000E+07	4.3300E-03	3.0000E+07	4.2300E-039441	3176	528
3.1000E+07	4.0900E-03	3.2000E+07	3.9000E-03	3.3000E+07	3.7100E-039441	3176	529
3.4000E+07	3.5000E-03	3.5000E+07	3.2700E-03	3.6000E+07	3.0400E-039441	3176	530
3.7000E+07	2.8400E-03	3.8000E+07	2.6300E-03	3.9000E+07	2.4400E-039441	3176	531
4.0000E+07	2.2600E-03	4.2000E+07	2.0700E-03	4.4000E+07	1.7800E-039441	3176	532
4.6000E+07	1.4800E-03	4.8000E+07	1.2300E-03	5.0000E+07	1.0300E-039441	3176	533
5.2000E+07	8.7000E-04	5.4000E+07	7.4100E-04	5.6000E+07	6.2400E-049441	3176	534
5.8000E+07	5.2200E-04	6.0000E+07	4.3100E-04	6.2000E+07	3.6400E-049441	3176	535
6.4000E+07	3.2100E-04	6.6000E+07	3.1700E-04	6.8000E+07	3.5800E-049441	3176	536
7.0000E+07	4.6100E-04	7.2000E+07	6.0800E-04	7.4000E+07	8.4500E-049441	3176	537
7.6000E+07	1.1000E-03	7.8000E+07	1.3400E-03	8.0000E+07	1.5700E-039441	3176	538
8.5000E+07	2.1300E-03	9.0000E+07	2.3800E-03	9.5000E+07	2.4500E-039441	3176	539
1.0000E+08	2.4400E-03				9441	3176	540
					9441	3	0
9.4241E+04	2.4100E+02	0	0	0	09441	3177	542
1.4368E+04	1.4368E+04	0	0	1	509441	3177	543
	50	2			9441	3177	544
1.0000E-05	0.0000E+00	1.6000E+07	2.9900E-09	1.7000E+07	2.0100E-079441	3177	545
1.8000E+07	9.7700E-07	1.9000E+07	8.4513E-06	2.0000E+07	1.5926E-059441	3177	546
2.1000E+07	2.3400E-05	2.2000E+07	6.5900E-05	2.3000E+07	1.6500E-049441	3177	547
2.4000E+07	3.5600E-04	2.5000E+07	6.8800E-04	2.6000E+07	1.1400E-039441	3177	548
2.7000E+07	1.6800E-03	2.8000E+07	2.2700E-03	2.9000E+07	2.9100E-039441	3177	549
3.0000E+07	3.5300E-03	3.1000E+07	4.1000E-03	3.2000E+07	4.5700E-039441	3177	550
3.3000E+07	4.9200E-03	3.4000E+07	5.1300E-03	3.5000E+07	5.2100E-039441	3177	551
3.6000E+07	5.0600E-03	3.7000E+07	4.9500E-03	3.8000E+07	4.7900E-039441	3177	552
3.9000E+07	4.5800E-03	4.0000E+07	4.3500E-03	4.2000E+07	3.8500E-039441	3177	553
4.4000E+07	3.3800E-03	4.6000E+07	2.8900E-03	4.8000E+07	2.5000E-039441	3177	554
5.0000E+07	2.1400E-03	5.2000E+07	1.7900E-03	5.4000E+07	1.5100E-039441	3177	555
5.6000E+07	1.2600E-03	5.8000E+07	1.0700E-03	6.0000E+07	8.4100E-049441	3177	556
6.2000E+07	7.1700E-04	6.4000E+07	6.0600E-04	6.6000E+07	5.0700E-049441	3177	557
6.8000E+07	4.1200E-04	7.0000E+07	3.2800E-04	7.2000E+07	2.6400E-049441	3177	558
7.4000E+07	2.1600E-04	7.6000E+07	2.0600E-04	7.8000E+07	2.3500E-049441	3177	559
8.0000E+07	3.0000E-04	8.5000E+07	5.8900E-04	9.0000E+07	9.9900E-049441	3177	560
9.5000E+07	1.4000E-03	1.0000E+08	1.7100E-03		9441	3177	561
					9441	3	0
9.4241E+04	2.4100E+02	0	0	0	09441	3178	563
-6.5317E+06	-6.5317E+06	0	0	1	439441	3178	564
	43	2			9441	3178	565
6.5588E+06	0.0000E+00	2.3000E+07	2.0900E-09	2.4000E+07	5.1400E-089441	3178	566
2.5000E+07	2.9800E-07	2.6000E+07	1.1500E-06	2.7000E+07	3.5600E-069441	3178	567

2.8000E+07	9.7400E-06	2.9000E+07	2.5600E-05	3.0000E+07	6.3600E-05	9441	3178	568
3.1000E+07	1.4300E-04	3.2000E+07	2.9600E-04	3.3000E+07	5.3000E-04	9441	3178	569
3.4000E+07	8.7200E-04	3.5000E+07	1.2900E-03	3.6000E+07	1.7900E-03	9441	3178	570
3.7000E+07	2.2700E-03	3.8000E+07	2.7400E-03	3.9000E+07	3.1600E-03	9441	3178	571
4.0000E+07	3.5000E-03	4.2000E+07	3.7900E-03	4.4000E+07	3.8300E-03	9441	3178	572
4.6000E+07	3.6300E-03	4.8000E+07	3.3100E-03	5.0000E+07	2.8800E-03	9441	3178	573
5.2000E+07	2.5000E-03	5.4000E+07	2.1800E-03	5.6000E+07	1.8600E-03	9441	3178	574
5.8000E+07	1.5700E-03	6.0000E+07	1.3300E-03	6.2000E+07	1.1200E-03	9441	3178	575
6.4000E+07	9.4200E-04	6.6000E+07	8.0400E-04	6.8000E+07	6.8100E-04	9441	3178	576
7.0000E+07	5.7600E-04	7.2000E+07	4.8200E-04	7.4000E+07	3.9400E-04	9441	3178	577
7.6000E+07	3.1900E-04	7.8000E+07	2.5300E-04	8.0000E+07	1.9100E-04	9441	3178	578
8.5000E+07	8.5800E-05	9.0000E+07	1.2400E-04	9.5000E+07	2.6600E-04	9441	3178	579
1.0000E+08	4.6100E-04					9441	3178	580
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0	0	09441	3179	582
-1.1830E+07	-1.1830E+07	0	0	1	1	389441	3179	583
	38	2				9441	3179	584
1.1879E+07	0.0000E+00	2.8000E+07	3.8900E-12	2.9000E+07	1.6300E-09	9441	3179	585
3.0000E+07	2.5300E-08	3.1000E+07	1.3900E-07	3.2000E+07	5.3300E-07	9441	3179	586
3.3000E+07	1.6100E-06	3.4000E+07	4.6700E-06	3.5000E+07	1.2100E-05	9441	3179	587
3.6000E+07	2.8800E-05	3.7000E+07	6.4500E-05	3.8000E+07	1.3300E-04	9441	3179	588
3.9000E+07	2.4900E-04	4.0000E+07	4.0800E-04	4.2000E+07	7.9100E-04	9441	3179	589
4.4000E+07	1.3200E-03	4.6000E+07	1.8700E-03	4.8000E+07	2.2600E-03	9441	3179	590
5.0000E+07	2.4800E-03	5.2000E+07	2.4800E-03	5.4000E+07	2.3400E-03	9441	3179	591
5.6000E+07	2.1400E-03	5.8000E+07	1.9100E-03	6.0000E+07	1.6700E-03	9441	3179	592
6.2000E+07	1.4700E-03	6.4000E+07	1.2600E-03	6.6000E+07	1.0800E-03	9441	3179	593
6.8000E+07	9.1900E-04	7.0000E+07	7.7800E-04	7.2000E+07	6.6000E-04	9441	3179	594
7.4000E+07	5.5600E-04	7.6000E+07	4.7400E-04	7.8000E+07	4.0300E-04	9441	3179	595
8.0000E+07	3.4000E-04	8.5000E+07	2.0300E-04	9.0000E+07	9.6800E-05	9441	3179	596
9.5000E+07	4.4200E-05	1.0000E+08	6.1300E-05			9441	3179	597
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0	0	09441	3180	599
-1.8673E+07	-1.8673E+07	0	0	1	1	309441	3180	600
	30	2				9441	3180	601
1.8751E+07	0.0000E+00	3.6000E+07	3.2700E-11	3.7000E+07	8.4600E-10	9441	3180	602
3.8000E+07	7.6800E-09	3.9000E+07	3.9600E-08	4.0000E+07	1.4500E-07	9441	3180	603
4.2000E+07	1.2600E-06	4.4000E+07	7.4600E-06	4.6000E+07	3.5900E-05	9441	3180	604
4.8000E+07	1.0900E-04	5.0000E+07	2.5600E-04	5.2000E+07	4.6200E-04	9441	3180	605
5.4000E+07	6.8000E-04	5.6000E+07	8.7000E-04	5.8000E+07	9.8800E-04	9441	3180	606
6.0000E+07	1.0300E-03	6.2000E+07	9.9900E-04	6.4000E+07	9.3700E-04	9441	3180	607
6.6000E+07	8.5300E-04	6.8000E+07	7.6200E-04	7.0000E+07	6.6700E-04	9441	3180	608
7.2000E+07	5.8500E-04	7.4000E+07	5.0100E-04	7.6000E+07	4.2400E-04	9441	3180	609
7.8000E+07	3.6000E-04	8.0000E+07	3.0400E-04	8.5000E+07	2.0400E-04	9441	3180	610
9.0000E+07	1.3200E-04	9.5000E+07	7.6800E-05	1.0000E+08	3.5200E-05	9441	3180	611
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0	0	09441	3181	613
-2.4427E+07	-2.4427E+07	0	0	1	1	259441	3181	614
	25	2				9441	3181	615
2.4529E+07	0.0000E+00	4.2000E+07	1.8800E-12	4.4000E+07	5.9100E-10	9441	3181	616
4.6000E+07	1.4900E-08	4.8000E+07	1.3900E-07	5.0000E+07	9.8300E-07	9441	3181	617
5.2000E+07	5.0400E-06	5.4000E+07	1.8700E-05	5.6000E+07	5.1100E-05	9441	3181	618
5.8000E+07	1.0800E-04	6.0000E+07	1.8600E-04	6.2000E+07	2.6300E-04	9441	3181	619
6.4000E+07	3.2700E-04	6.6000E+07	3.7200E-04	6.8000E+07	3.9600E-04	9441	3181	620
7.0000E+07	3.9800E-04	7.2000E+07	3.8100E-04	7.4000E+07	3.5400E-04	9441	3181	621
7.6000E+07	3.2100E-04	7.8000E+07	2.6400E-04	8.0000E+07	2.3100E-04	9441	3181	622
8.5000E+07	1.5900E-04	9.0000E+07	1.0700E-04	9.5000E+07	7.2400E-05	9441	3181	623
1.0000E+08	4.6200E-05					9441	3181	624
						9441	3	0
9.4241E+04	2.4100E+02	0	0	0	0	09441	3182	626
-3.1682E+07	-3.1682E+07	0	0	1	1	219441	3182	627
	21	2				9441	3182	628
3.1814E+07	0.0000E+00	5.0000E+07	3.0200E-13	5.2000E+07	4.9500E-11	9441	3182	629
5.4000E+07	1.3200E-09	5.6000E+07	1.5100E-08	5.8000E+07	1.1200E-07	9441	3182	630
6.0000E+07	6.3100E-07	6.2000E+07	2.5500E-06	6.4000E+07	7.6500E-06	9441	3182	631
6.6000E+07	1.7300E-05	6.8000E+07	3.2300E-05	7.0000E+07	5.1900E-05	9441	3182	632
7.2000E+07	7.1900E-05	7.4000E+07	9.0000E-05	7.6000E+07	1.0200E-04	9441	3182	633
7.8000E+07	1.1100E-04	8.0000E+07	1.1200E-04	8.5000E+07	9.6900E-05	9441	3182	634

9.0000E+07	7.3000E-05	9.5000E+07	5.1300E-05	1.0000E+08	3.4800E-05	9441	3182	635	
						9441	3	0	
9.4241E+04	2.4100E+02	0	0	0		09441	3183	637	
-3.7581E+07	-3.7581E+07	0	0	1		199441	3183	638	
19	2					9441	3183	639	
3.7737E+07	0.0000E+00	5.4000E+07	9.8100E-21	5.6000E+07	3.0600E-15	9441	3183	640	
5.8000E+07	1.0100E-12	6.0000E+07	3.5000E-11	6.2000E+07	4.5300E-10	9441	3183	641	
6.4000E+07	3.7900E-09	6.6000E+07	2.3800E-08	6.8000E+07	1.1500E-07	9441	3183	642	
7.0000E+07	4.2600E-07	7.2000E+07	1.2300E-06	7.4000E+07	2.8100E-06	9441	3183	643	
7.6000E+07	5.1400E-06	7.8000E+07	7.7000E-06	8.0000E+07	1.0700E-05	9441	3183	644	
8.5000E+07	1.6700E-05	9.0000E+07	1.8100E-05	9.5000E+07	1.6100E-05	9441	3183	645	
1.0000E+08	1.2400E-05					9441	3183	646	
						9441	3	0	
						9441	0	0	
						0	0	0	
						-1	0	0	
						0	0	0	
Pu-242	WIND								
9.4242E+04	2.4200E+02	-1	0	99		19442	1451	1	
0.0000E+00	0.0000E+00	0	0	0		69442	1451	2	
1.0000E+00	0.0000E+00	0	0	10		29442	1451	3	
0.0000E+00	0.0000E+00	0	0	67		339442	1451	4	
94-Pu-242	INPE	EVAL-SEP94 YU.A.KOROVIN ET.AL.					9442	1451	5
		DIST-OCT94					9442	1451	6
----	WIND	MATERIAL 9442					9442	1451	7
-----	INCIDENT-NEUTRON DATA						9442	1451	8
-----	ENDF-6 FORMAT						9442	1451	9
AUTHORS OF EVALUATION: A.YU.KONOBAYEV , YU.A.KOROVIN ,							9442	1451	10
P.E.PERESLAVTSEV, V.I.PLYASKIN							9442	1451	11
							9442	1451	12
FILE OF ACTINIDE DATA LIBRARY WIND							9442	1451	13
ENERGY OF PROJECTILE: 0-100 MEV							9442	1451	14
REFERENCE: KERNTTECHNIK, 1994, V.59, P.87							9442	1451	15
							9442	1451	16
CONTENT OF FILE:							9442	1451	17
							9442	1451	18
MF = 1 GENERAL INFORMATION							9442	1451	19
							9442	1451	20
MT = 451 COMMENTS AND DICTIONARY							9442	1451	21
							9442	1451	22
MF = 3 NEUTRON CROSS-SECTIONS							9442	1451	23
							9442	1451	24
(N,2N) REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM ENDF/B-VI							9442	1451	25
(N,3N) REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM ENDF/B-VI							9442	1451	26
(N,F) REACTION CROSS-SECTIONS BELOW 20 MEV ARE FROM ENDF/B-VI							9442	1451	27
THIS VERSION OF THE LIBRARY INCLUDES FAST ENERGY REGION FOR							9442	1451	28
SECTION MT=18 FROM 0.1 UP TO 100 MEV. THE VERSION WITH THE DATA							9442	1451	29
AT LOW ENERGIES WITH RESONANCE CONTRIBUTION RECONSTRUCTION							9442	1451	30
IS AVAILABLE FROM THE AUTHORS AFTER REQUEST							9442	1451	31
							9442	1451	32
MT=16,17,18,37,103,111 ARE STANDARD ENDF-6 SECTIONS,							9442	1451	33
OTHER MT NUMBERS ARE NEW ASSIGNED							9442	1451	34
IN FOLLOWING DESCRIPTION " (N,X) " MEANS SUM CROSS-SECTIONS OF							9442	1451	35
ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT							9442	1451	36
RADIOACTIVE DECAY TAKEN INTO ACCOUNT							9442	1451	37
							9442	1451	38
MT = 16	(N,2N)	CROSS-SECTION	(Pu241 PRODUCTION)			9442	1451	39	
MT = 17	(N,3N)	CROSS-SECTION	(Pu240 PRODUCTION)			9442	1451	40	
MT = 18	(N,F) FISSION	CROSS-SECTION				9442	1451	41	
MT = 37	(N,4N)	CROSS-SECTION	(Pu239 PRODUCTION)			9442	1451	42	
MT =103	(N,P)	CROSS-SECTION	(Np242 PRODUCTION)			9442	1451	43	
MT =111	(N,2P)	CROSS-SECTION	(U241 PRODUCTION)			9442	1451	44	
MT =121	(N,5N)	CROSS-SECTION	(Pu238 PRODUCTION)			9442	1451	45	
MT =122	(N,6N)	CROSS-SECTION	(Pu237 PRODUCTION)			9442	1451	46	
MT =123	(N,7N)	CROSS-SECTION	(Pu236 PRODUCTION)			9442	1451	47	
MT =124	(N,8N)	CROSS-SECTION	(Pu235 PRODUCTION)			9442	1451	48	
MT =125	(N,9N)	CROSS-SECTION	(Pu234 PRODUCTION)			9442	1451	49	
MT =126	(N,10N)	CROSS-SECTION	(Pu233 PRODUCTION)			9442	1451	50	

MT =153	(N, NP) + (N, D)	CROSS-SECTION	(Np241 PRODUCTION)	9442	1451	51
MT =154	(N, 2NP) + (N, ND)	CROSS-SECTION	(Np240 PRODUCTION)	9442	1451	52
MT =155	(N, 3NP) + (N, 2ND)	CROSS-SECTION	(Np239 PRODUCTION)	9442	1451	53
MT =156	(N, 4NP) + (N, 3ND)	CROSS-SECTION	(Np238 PRODUCTION)	9442	1451	54
MT =157	(N, 5NP) + (N, 4ND)	CROSS-SECTION	(Np237 PRODUCTION)	9442	1451	55
MT =158	(N, 6NP) + (N, 5ND)	CROSS-SECTION	(Np236 PRODUCTION)	9442	1451	56
MT =159	(N, 7NP) + (N, 6ND)	CROSS-SECTION	(Np235 PRODUCTION)	9442	1451	57
MT =160	(N, 8NP) + (N, 7ND)	CROSS-SECTION	(Np234 PRODUCTION)	9442	1451	58
MT =161	(N, 9NP) + (N, 8ND)	CROSS-SECTION	(Np233 PRODUCTION)	9442	1451	59
MT =162	(N, 10NP) + (N, 9ND)	CROSS-SECTION	(Np232 PRODUCTION)	9442	1451	60
MT =174	(N, N2P) + (N, PD)	CROSS-SECTION	(U240 PRODUCTION)	9442	1451	61
MT =175	(N, 2N2P) + (N, X)	CROSS-SECTION	(U239 PRODUCTION)	9442	1451	62
MT =176	(N, 3N2P) + (N, X)	CROSS-SECTION	(U238 PRODUCTION)	9442	1451	63
MT =177	(N, 4N2P) + (N, X)	CROSS-SECTION	(U237 PRODUCTION)	9442	1451	64
MT =178	(N, 5N2P) + (N, X)	CROSS-SECTION	(U236 PRODUCTION)	9442	1451	65
MT =179	(N, 6N2P) + (N, X)	CROSS-SECTION	(U235 PRODUCTION)	9442	1451	66
MT =180	(N, 7N2P) + (N, X)	CROSS-SECTION	(U234 PRODUCTION)	9442	1451	67
MT =181	(N, 8N2P) + (N, X)	CROSS-SECTION	(U233 PRODUCTION)	9442	1451	68
MT =182	(N, 9N2P) + (N, X)	CROSS-SECTION	(U232 PRODUCTION)	9442	1451	69
MT =183	(N, 10N2P) + (N, X)	CROSS-SECTION	(U231 PRODUCTION)	9442	1451	70
				9442	1451	71
		1	451	104	19442	1451 72
		3	16	35	19442	1451 73
		3	17	26	19442	1451 74
		3	18	57	19442	1451 75
		3	37	19	19442	1451 76
		3	103	22	19442	1451 77
		3	111	18	19442	1451 78
		3	121	17	19442	1451 79
		3	122	15	19442	1451 80
		3	123	13	19442	1451 81
		3	124	11	19442	1451 82
		3	125	10	19442	1451 83
		3	126	9	19442	1451 84
		3	153	21	19442	1451 85
		3	154	19	19442	1451 86
		3	155	17	19442	1451 87
		3	156	16	19442	1451 88
		3	157	14	19442	1451 89
		3	158	12	19442	1451 90
		3	159	11	19442	1451 91
		3	160	9	19442	1451 92
		3	161	8	19442	1451 93
		3	162	7	19442	1451 94
		3	174	16	19442	1451 95
		3	175	23	19442	1451 96
		3	176	22	19442	1451 97
		3	177	20	19442	1451 98
		3	178	18	19442	1451 99
		3	179	16	19442	1451 100
		3	180	14	19442	1451 101
		3	181	11	19442	1451 102
		3	182	10	19442	1451 103
		3	183	9	19442	1451 104
					9442	1 0 105
					9442	0 0 106
9.4242E+04	2.4200E+02	0	0	0	09442	3 16 107
-6.3008E+06	-6.3008E+06	0	0	1	969442	3 16 108
96	2				9442	3 16 109
6.3271E+06	0.0000E+00	6.4000E+06	1.4964E-03	6.6000E+06	2.3615E-02	9442 3 16 110
6.8000E+06	6.8582E-02	7.0000E+06	1.3072E-01	7.2000E+06	2.0321E-01	9442 3 16 111
7.4000E+06	2.7869E-01	7.6000E+06	3.5188E-01	7.8000E+06	4.2029E-01	9442 3 16 112
8.0000E+06	4.8309E-01	8.2000E+06	5.3986E-01	8.4000E+06	5.9024E-01	9442 3 16 113
8.6000E+06	6.3369E-01	8.8000E+06	6.7038E-01	9.0000E+06	7.0064E-01	9442 3 16 114
9.2000E+06	7.2511E-01	9.4000E+06	7.4467E-01	9.6000E+06	7.6015E-01	9442 3 16 115
9.8000E+06	7.7233E-01	1.0000E+07	7.8183E-01	1.0250E+07	7.9068E-01	9442 3 16 116
1.0500E+07	7.9684E-01	1.0750E+07	8.0081E-01	1.1000E+07	8.0322E-01	9442 3 16 117

1.1201E+07	8.0442E-01	1.1250E+07	8.0464E-01	1.1500E+07	8.0544E-01	9442	3	0	142						
1.1589E+07	8.0551E-01	1.1750E+07	8.0513E-01	1.2000E+07	8.0193E-01	09442	3	17	143						
1.2250E+07	7.9215E-01	1.2500E+07	7.7067E-01	1.2750E+07	7.3439E-01	699442	3	17	144						
1.3000E+07	6.8320E-01	1.3250E+07	6.2042E-01	1.3500E+07	5.5174E-01	9442	3	17	145						
1.3750E+07	4.8268E-01	1.4000E+07	4.1718E-01	1.4250E+07	3.5730E-01	1.1589E+07	0.0000E+00	1.1750E+07	1.3136E-04	1.2000E+07	1.9505E-03	9442	3	17	146
1.4500E+07	3.0352E-01	1.4750E+07	2.5593E-01	1.5000E+07	2.1411E-01	1.2250E+07	8.8064E-03	1.2500E+07	2.5123E-02	1.2750E+07	5.3892E-02	9442	3	17	147
1.5500E+07	1.4642E-01	1.6000E+07	9.7639E-02	1.6500E+07	6.4070E-02	1.3000E+07	9.5059E-02	1.3250E+07	1.4548E-01	1.3500E+07	1.9992E-01	9442	3	17	148
1.7000E+07	4.1554E-02	1.7500E+07	2.6751E-02	1.8000E+07	1.7118E-02	1.3750E+07	2.5332E-01	1.4000E+07	3.0209E-01	1.4250E+07	3.4445E-01	9442	3	17	149
1.8500E+07	1.0910E-02	1.9000E+07	6.9381E-03	1.9500E+07	4.4068E-03	1.4500E+07	3.7997E-01	1.4750E+07	4.0924E-01	1.5000E+07	4.3279E-01	9442	3	17	150
2.0000E+07	4.4068E-03	2.1000E+07	1.3300E-01	2.2000E+07	1.1900E-01	1.5500E+07	4.6538E-01	1.6000E+07	4.8301E-01	1.6500E+07	4.8998E-01	9442	3	17	151
2.3000E+07	1.1200E-01	2.4000E+07	1.0600E-01	2.5000E+07	1.0300E-01	1.7000E+07	4.9097E-01	1.7500E+07	4.8844E-01	1.8000E+07	4.8361E-01	9442	3	17	152
2.6000E+07	9.7500E-02	2.7000E+07	9.3000E-02	2.8000E+07	8.9400E-02	1.8500E+07	4.7759E-01	1.9000E+07	4.7113E-01	1.9500E+07	4.6444E-01	9442	3	17	153
2.9000E+07	8.6400E-02	3.0000E+07	8.3800E-02	3.1000E+07	8.1200E-02	2.0000E+07	4.6444E-01	2.1000E+07	4.4600E-01	2.2000E+07	3.7212E-01	9442	3	17	154
3.2000E+07	7.9300E-02	3.3000E+07	7.7600E-02	3.4000E+07	7.5900E-02	2.3000E+07	3.0450E-01	2.4000E+07	2.5309E-01	2.5000E+07	2.2087E-01	9442	3	17	155
3.5000E+07	7.4200E-02	3.6000E+07	7.2400E-02	3.7000E+07	7.1000E-02	2.6000E+07	1.9083E-01	2.7000E+07	1.6794E-01	2.8000E+07	1.5018E-01	9442	3	17	156
3.8000E+07	6.9800E-02	3.9000E+07	6.8900E-02	4.0000E+07	6.7900E-02	2.9000E+07	1.3554E-01	3.0000E+07	1.2501E-01	3.1000E+07	1.1568E-01	9442	3	17	157
4.2000E+07	6.2900E-02	4.4000E+07	6.0700E-02	4.6000E+07	5.8900E-02	3.2000E+07	1.0814E-01	3.3000E+07	1.0238E-01	3.4000E+07	9.6800E-02	9442	3	17	158
4.8000E+07	5.6600E-02	5.0000E+07	5.5100E-02	5.2000E+07	5.3400E-02	3.5000E+07	9.1484E-02	3.6000E+07	8.6729E-02	3.7000E+07	8.2931E-02	9442	3	17	159
5.4000E+07	5.1800E-02	5.6000E+07	5.0200E-02	5.8000E+07	4.8900E-02	3.8000E+07	7.9286E-02	3.9000E+07	7.6289E-02	4.0000E+07	7.4137E-02	9442	3	17	160
6.0000E+07	4.7700E-02	6.2000E+07	4.6800E-02	6.4000E+07	4.5600E-02	4.2000E+07	6.8316E-02	4.4000E+07	6.4361E-02	4.6000E+07	6.0650E-02	9442	3	17	161
6.6000E+07	4.4600E-02	6.8000E+07	4.3400E-02	7.0000E+07	4.2600E-02	4.8000E+07	5.8365E-02	5.0000E+07	5.5591E-02	5.2000E+07	5.3215E-02	9442	3	17	162
7.2000E+07	4.1500E-02	7.4000E+07	4.0300E-02	7.6000E+07	3.9300E-02	5.4000E+07	5.0926E-02	5.6000E+07	4.8814E-02	5.8000E+07	4.6473E-02	9442	3	17	163
7.8000E+07	3.8300E-02	8.0000E+07	3.7300E-02	8.5000E+07	3.5300E-02	6.0000E+07	4.4794E-02	6.2000E+07	4.3172E-02	6.4000E+07	4.2001E-02	9442	3	17	164
9.0000E+07	3.3500E-02	9.5000E+07	3.1800E-02	1.0000E+08	3.0500E-02	6.6000E+07	4.0277E-02	6.8000E+07	3.8696E-02	7.0000E+07	3.7053E-02	9442	3	17	165
						7.2000E+07	3.5547E-02	7.4000E+07	3.4373E-02	7.6000E+07	3.3229E-02	9442	3	17	166
						7.8000E+07	3.2213E-02	8.0000E+07	3.1023E-02	8.5000E+07	2.8598E-02	9442	3	17	167
						9.0000E+07	2.6099E-02	9.5000E+07	2.4305E-02	1.0000E+08	2.2000E-02	9442	3	0	169
9.4242E+04	2.4200E+02	0	0	0	09442	3	18	170							
-1.1541E+07	-1.1541E+07	0	0	1	1619442	3	18	171							
	69	2			9442	3	18	172							
1.1589E+07	0.0000E+00	1.1750E+07	1.3136E-04	1.2000E+07	1.9505E-03	9442	3	18	173						
1.2250E+07	8.8064E-03	1.2500E+07	2.5123E-02	1.2750E+07	5.3892E-02	9442	3	18	174						
1.3000E+07	9.5059E-02	1.3250E+07	1.4548E-01	1.3500E+07	1.9992E-01	9442	3	18	175						
1.3750E+07	2.5332E-01	1.4000E+07	3.0209E-01	1.4250E+07	3.4445E-01	9442	3	18	176						
1.4500E+07	3.7997E-01	1.4750E+07	4.0924E-01	1.5000E+07	4.3279E-01	9442	3	18	177						
1.5500E+07	4.6538E-01	1.6000E+07	4.8301E-01	1.6500E+07	4.8998E-01	9442	3	18	178						
1.7000E+07	4.9097E-01	1.7500E+07	4.8844E-01	1.8000E+07	4.8361E-01	9442	3	18	179						
1.8500E+07	4.7759E-01	1.9000E+07	4.7113E-01	1.9500E+07	4.6444E-01	9442	3	18	180						
2.0000E+07	4.6444E-01	2.1000E+07	4.4600E-01	2.2000E+07	3.7212E-01	9442	3	18	181						
2.3000E+07	3.0450E-01	2.4000E+07	2.5309E-01	2.5000E+07	2.2087E-01	9442	3	18	182						
2.6000E+07	1.9083E-01	2.7000E+07	1.6794E-01	2.8000E+07	1.5018E-01	9442	3	18	183						
2.9000E+07	1.3554E-01	3.0000E+07	1.2501E-01	3.1000E+07	1.1568E-01	9442	3	18	184						
3.2000E+07	1.0814E-01	3.3000E+07	1.0238E-01	3.4000E+07	9.6800E-02	9442	3	18	185						
3.5000E+07	9.1484E-02	3.6000E+07	8.6729E-02	3.7000E+07	8.2931E-02	9442	3	18	186						
3.8000E+07	7.9286E-02	3.9000E+07	7.6289E-02	4.0000E+07	7.4137E-02	9442	3	18	187						
4.2000E+07	6.8316E-02	4.4000E+07	6.4361E-02	4.6000E+07	6.0650E-02	9442	3	18	188						
4.8000E+07	5.8365E-02	5.0000E+07	5.5591E-02	5.2000E+07	5.3215E-02	9442	3	18	189						
5.4000E+07	5.0926E-02	5.6000E+07	4.8814E-02	5.8000E+07	4.6473E-02	9442	3	18	190						
6.0000E+07	4.4794E-02	6.2000E+07	4.3172E-02	6.4000E+07	4.2001E-02	9442	3	18	191						
6.6000E+07	4.0277E-02	6.8000E+07	3.8696E-02	7.0000E+07	3.7053E-02	9442	3	18	192						
7.2000E+07	3.5547E-02	7.4000E+07	3.4373E-02	7.6000E+07	3.3229E-02	9442	3	18	193						
7.8000E+07	3.2213E-02	8.0000E+07	3.1023E-02	8.5000E+07	2.8598E-02	9442	3	18	194						
9.0000E+07	2.6099E-02	9.5000E+07	2.4305E-02	1.0000E+08	2.2000E-02	9442	3	18	195						
9.4242E+04	2.4200E+02	0	0	0	09442	3	18	170							
2.0158E+08	2.0158E+08	0	0	1	1619442	3	18	171							
	161	2			9442	3	18	172							
1.0000E+05	1.5000E-02	1.2000E+05	1.6900E-02	1.4000E+05	1.9300E-02	9442	3	18	173						
1.6000E+05	2.2500E-02	1.7500E+05	2.5983E-02	2.0000E+05	3.3000E-02	9442	3	18	174						
2.2500E+05	4.1402E-02	2.5000E+05	5.1100E-02	2.7500E+05	6.1155E-02	9442	3	18	175						
3.0000E+05	7.1600E-02	3.2500E+05	8.3000E-02	3.5000E+05	9.4000E-02	9442	3	18	176						
3.7500E+05	1.0470E-01	4.0000E+05	1.1800E-01	4.2500E+05	1.3700E-01	9442	3	18	177						
4.5000E+05	1.6300E-01	4.7500E+05	1.9500E-01	5.0000E+05	2.3250E-01	9442	3	18	178						
5.5000E+05	3.2300E-01	6.0000E+05	4.1800E-01	6.5000E+05	5.1700E-01	9442	3	18	179						
7.0000E+05	6.2700E-01	7.5000E+05	7.5000E-01	8.0000E+05	9.0200E-01	9442	3	18	180						
8.5000E+05	1.0530E+00	9.0000E+05	1.2150E+00	9.5000E+05	1.3330E+00	9442	3	18	181						
1.0000E+06	1.4270E+00	1.0500E+06	1.5020E+00	1.1000E+06	1.5330E+00	9442	3	18	182						
1.1500E+06	1.5150E+00	1.2000E+06	1.4850E+00	1.2500E+06	1.4540E+00	9442	3	18	183						
1.3000E+06	1.4190E+00	1.4000E+06	1.3900E+00	1.5000E+06	1.3940E+00	9442	3	18	184						

1.6000E+06	1.4080E+00	1.6500E+06	1.4150E+00	1.7000E+06	1.4200E+009442	3	18	185
1.8000E+06	1.4270E+00	1.9000E+06	1.4300E+00	2.0000E+06	1.4300E+009442	3	18	186
2.1000E+06	1.4280E+00	2.2000E+06	1.4230E+00	2.4000E+06	1.4110E+009442	3	18	187
2.6000E+06	1.3960E+00	2.8000E+06	1.3770E+00	3.0000E+06	1.3580E+009442	3	18	188
3.2000E+06	1.3380E+00	3.4000E+06	1.3170E+00	3.6000E+06	1.2980E+009442	3	18	189
3.8000E+06	1.2820E+00	4.0000E+06	1.2670E+00	4.2000E+06	1.2520E+009442	3	18	190
4.4000E+06	1.2410E+00	4.6000E+06	1.2290E+00	4.8000E+06	1.2210E+009442	3	18	191
5.0000E+06	1.2130E+00	5.1000E+06	1.2120E+00	5.2000E+06	1.2130E+009442	3	18	192
5.4000E+06	1.2270E+00	5.6000E+06	1.2790E+00	5.8000E+06	1.3370E+009442	3	18	193
6.0000E+06	1.4000E+00	6.2000E+06	1.4850E+00	6.3271E+06	1.5500E+009442	3	18	194
6.4000E+06	1.5800E+00	6.6000E+06	1.6850E+00	6.8000E+06	1.7640E+009442	3	18	195
7.0000E+06	1.8180E+00	7.2000E+06	1.8620E+00	7.4000E+06	1.9040E+009442	3	18	196
7.6000E+06	1.9420E+00	7.8000E+06	1.9570E+00	8.0000E+06	1.9560E+009442	3	18	197
8.2000E+06	1.9450E+00	8.4000E+06	1.9330E+00	8.6000E+06	1.9250E+009442	3	18	198
8.8000E+06	1.9180E+00	9.0000E+06	1.9100E+00	9.2000E+06	1.9040E+009442	3	18	199
9.4000E+06	1.8980E+00	9.6000E+06	1.8930E+00	9.8000E+06	1.8880E+009442	3	18	200
1.0000E+07	1.8840E+00	1.0250E+07	1.8780E+00	1.0500E+07	1.8740E+009442	3	18	201
1.0750E+07	1.8680E+00	1.1000E+07	1.8650E+00	1.1201E+07	1.8640E+009442	3	18	202
1.1250E+07	1.8600E+00	1.1500E+07	1.8580E+00	1.1589E+07	1.8560E+009442	3	18	203
1.1750E+07	1.8530E+00	1.2000E+07	1.8520E+00	1.2250E+07	1.8510E+009442	3	18	204
1.2500E+07	1.8530E+00	1.2750E+07	1.8600E+00	1.3000E+07	1.8780E+009442	3	18	205
1.3250E+07	1.9080E+00	1.3500E+07	1.9380E+00	1.3750E+07	1.9600E+009442	3	18	206
1.4000E+07	1.9770E+00	1.4250E+07	1.9900E+00	1.4500E+07	2.0040E+009442	3	18	207
1.4750E+07	2.0160E+00	1.5000E+07	2.0230E+00	1.5500E+07	2.0330E+009442	3	18	208
1.6000E+07	2.0400E+00	1.6500E+07	2.0420E+00	1.7000E+07	2.0430E+009442	3	18	209
1.7500E+07	2.0420E+00	1.8000E+07	2.0400E+00	1.8500E+07	2.0350E+009442	3	18	210
1.9000E+07	2.0320E+00	1.9500E+07	2.0280E+00	2.0000E+07	2.0220E+009442	3	18	211
2.1000E+07	2.0526E+00	2.2000E+07	2.0759E+00	2.3000E+07	2.0888E+009442	3	18	212
2.4000E+07	2.0962E+00	2.5000E+07	2.0989E+00	2.6000E+07	2.1035E+009442	3	18	213
2.7000E+07	2.1000E+00	2.8000E+07	2.0961E+00	2.9000E+07	2.0950E+009442	3	18	214
3.0000E+07	2.0972E+00	3.1000E+07	2.1048E+00	3.2000E+07	2.1108E+009442	3	18	215
3.3000E+07	2.1125E+00	3.4000E+07	2.1126E+00	3.5000E+07	2.1104E+009442	3	18	216
3.6000E+07	2.1084E+00	3.7000E+07	2.1047E+00	3.8000E+07	2.1013E+009442	3	18	217
3.9000E+07	2.0971E+00	4.0000E+07	2.0932E+00	4.2000E+07	2.0885E+009442	3	18	218
4.4000E+07	2.0744E+00	4.6000E+07	2.0606E+00	4.8000E+07	2.0486E+009442	3	18	219
5.0000E+07	2.0377E+00	5.2000E+07	2.0235E+00	5.4000E+07	2.0110E+009442	3	18	220
5.6000E+07	1.9995E+00	5.8000E+07	1.9886E+00	6.0000E+07	1.9762E+009442	3	18	221
6.2000E+07	1.9722E+00	6.4000E+07	1.9595E+00	6.6000E+07	1.9496E+009442	3	18	222
6.8000E+07	1.9385E+00	7.0000E+07	1.9285E+00	7.2000E+07	1.9173E+009442	3	18	223
7.4000E+07	1.9052E+00	7.6000E+07	1.8949E+00	7.8000E+07	1.8845E+009442	3	18	224
8.0000E+07	1.8742E+00	8.5000E+07	1.8462E+00	9.0000E+07	1.8212E+009442	3	18	225
9.5000E+07	1.7972E+00	1.0000E+08	1.7737E+00		9442	3	18	226
					9442	3	0	227
9.4242E+04	2.4200E+02	0	0	0	09442	3	37	228
-1.8085E+07	-1.8085E+07	0	0	1	479442	3	37	229
	47	2			9442	3	37	230
1.8160E+07	0.0000E+00	1.9000E+07	1.0500E-04	2.0000E+07	5.7000E-039442	3	37	231
2.1000E+07	3.0200E-02	2.2000E+07	6.6800E-02	2.3000E+07	1.0200E-019442	3	37	232
2.4000E+07	1.3100E-01	2.5000E+07	1.4900E-01	2.6000E+07	1.6600E-019442	3	37	233
2.7000E+07	1.7400E-01	2.8000E+07	1.7000E-01	2.9000E+07	1.5700E-019442	3	37	234
3.0000E+07	1.3900E-01	3.1000E+07	1.2100E-01	3.2000E+07	1.0300E-019442	3	37	235
3.3000E+07	8.8700E-02	3.4000E+07	7.6600E-02	3.5000E+07	6.6700E-029442	3	37	236
3.6000E+07	5.8800E-02	3.7000E+07	5.2400E-02	3.8000E+07	4.7100E-029442	3	37	237
3.9000E+07	4.3000E-02	4.0000E+07	3.9400E-02	4.2000E+07	3.3100E-029442	3	37	238
4.4000E+07	2.9200E-02	4.6000E+07	2.6100E-02	4.8000E+07	2.4000E-029442	3	37	239
5.0000E+07	2.2100E-02	5.2000E+07	2.0600E-02	5.4000E+07	1.9400E-029442	3	37	240
5.6000E+07	1.8400E-02	5.8000E+07	1.7600E-02	6.0000E+07	1.6800E-029442	3	37	241
6.2000E+07	1.6200E-02	6.4000E+07	1.5600E-02	6.6000E+07	1.5100E-029442	3	37	242
6.8000E+07	1.4600E-02	7.0000E+07	1.4200E-02	7.2000E+07	1.3800E-029442	3	37	243
7.4000E+07	1.3500E-02	7.6000E+07	1.3100E-02	7.8000E+07	1.2800E-029442	3	37	244
8.0000E+07	1.2400E-02	8.5000E+07	1.1700E-02	9.0000E+07	1.1100E-029442	3	37	245
9.5000E+07	1.0500E-02	1.0000E+08	1.0000E-02		9442	3	37	246
					9442	3	0	247
9.4242E+04	2.4200E+02	0	0	0	09442	3103		248
-2.0225E+06	-2.0225E+06	0	0	1	579442	3103		249
	57	2			9442	3103		250
2.0309E+06	0.0000E+00	9.0000E+06	1.3700E-05	1.0000E+07	8.9300E-059442	3103		251

1.1000E+07	3.0000E-04	1.2000E+07	7.9900E-04	1.3000E+07	1.7500E-039442	3103	252
1.4000E+07	3.0200E-03	1.5000E+07	5.3400E-03	1.6000E+07	8.4400E-039442	3103	253
1.7000E+07	1.2000E-02	1.8000E+07	1.4500E-02	1.9000E+07	1.8100E-029442	3103	254
2.0000E+07	2.1300E-02	2.1000E+07	2.3600E-02	2.2000E+07	2.4700E-029442	3103	255
2.3000E+07	2.6900E-02	2.4000E+07	2.8800E-02	2.5000E+07	3.0300E-029442	3103	256
2.6000E+07	3.0700E-02	2.7000E+07	3.1300E-02	2.8000E+07	3.1600E-029442	3103	257
2.9000E+07	3.1900E-02	3.0000E+07	3.2300E-02	3.1000E+07	3.2400E-029442	3103	258
3.2000E+07	3.2600E-02	3.3000E+07	3.2700E-02	3.4000E+07	3.2500E-029442	3103	259
3.5000E+07	3.2300E-02	3.6000E+07	3.1900E-02	3.7000E+07	3.1700E-029442	3103	260
3.8000E+07	3.1500E-02	3.9000E+07	3.1200E-02	4.0000E+07	3.1000E-029442	3103	261
4.2000E+07	3.1100E-02	4.4000E+07	3.0400E-02	4.6000E+07	2.9700E-029442	3103	262
4.8000E+07	2.8900E-02	5.0000E+07	2.8200E-02	5.2000E+07	2.7400E-029442	3103	263
5.4000E+07	2.6700E-02	5.6000E+07	2.5900E-02	5.8000E+07	2.5200E-029442	3103	264
6.0000E+07	2.4600E-02	6.2000E+07	2.3900E-02	6.4000E+07	2.3200E-029442	3103	265
6.6000E+07	2.2600E-02	6.8000E+07	2.2000E-02	7.0000E+07	2.1400E-029442	3103	266
7.2000E+07	2.0900E-02	7.4000E+07	2.0300E-02	7.6000E+07	1.9800E-029442	3103	267
7.8000E+07	1.9300E-02	8.0000E+07	1.8800E-02	8.5000E+07	1.9400E-029442	3103	268
9.0000E+07	1.8200E-02	9.5000E+07	1.7200E-02	1.0000E+08	1.6300E-029442	3103	269
					9442	3 0	270
9.4242E+04	2.4200E+02	0	0	0	09442	3111	271
-7.8533E+06	-7.8533E+06	0	0	1	449442	3111	272
	44	2			9442	3111	273
7.8858E+06	0.0000E+00	2.2000E+07	8.3000E-07	2.3000E+07	4.3500E-069442	3111	274
2.4000E+07	1.5100E-05	2.5000E+07	3.9900E-05	2.6000E+07	7.9200E-059442	3111	275
2.7000E+07	1.4800E-04	2.8000E+07	2.4600E-04	2.9000E+07	3.7300E-049442	3111	276
3.0000E+07	5.2900E-04	3.1000E+07	6.6400E-04	3.2000E+07	8.6800E-049442	3111	277
3.3000E+07	1.0900E-03	3.4000E+07	1.3300E-03	3.5000E+07	1.5800E-039442	3111	278
3.6000E+07	1.7600E-03	3.7000E+07	2.0400E-03	3.8000E+07	2.3400E-039442	3111	279
3.9000E+07	2.6500E-03	4.0000E+07	2.9700E-03	4.2000E+07	3.2900E-039442	3111	280
4.4000E+07	3.7100E-03	4.6000E+07	4.0500E-03	4.8000E+07	4.2700E-039442	3111	281
5.0000E+07	4.4900E-03	5.2000E+07	4.6400E-03	5.4000E+07	4.7600E-039442	3111	282
5.6000E+07	4.8400E-03	5.8000E+07	4.9800E-03	6.0000E+07	5.0700E-039442	3111	283
6.2000E+07	5.0800E-03	6.4000E+07	5.1200E-03	6.6000E+07	5.1700E-039442	3111	284
6.8000E+07	5.2200E-03	7.0000E+07	5.2200E-03	7.2000E+07	5.2600E-039442	3111	285
7.4000E+07	5.2500E-03	7.6000E+07	5.2700E-03	7.8000E+07	5.2900E-039442	3111	286
8.0000E+07	5.2800E-03	8.5000E+07	5.3000E-03	9.0000E+07	5.3000E-039442	3111	287
9.5000E+07	5.2400E-03	1.0000E+08	5.2200E-03		9442	3111	288
					9442	3 0	289
9.4242E+04	2.4200E+02	0	0	0	09442	3121	290
-2.3733E+07	-2.3733E+07	0	0	1	419442	3121	291
	41	2			9442	3121	292
2.3831E+07	0.0000E+00	2.5000E+07	1.4600E-05	2.6000E+07	6.4100E-049442	3121	293
2.7000E+07	3.7600E-03	2.8000E+07	1.1700E-02	2.9000E+07	1.9800E-029442	3121	294
3.0000E+07	2.7600E-02	3.1000E+07	3.3100E-02	3.2000E+07	3.7900E-029442	3121	295
3.3000E+07	3.9800E-02	3.4000E+07	4.2200E-02	3.5000E+07	4.3600E-029442	3121	296
3.6000E+07	4.3300E-02	3.7000E+07	4.1400E-02	3.8000E+07	3.8600E-029442	3121	297
3.9000E+07	3.5400E-02	4.0000E+07	3.2100E-02	4.2000E+07	2.4400E-029442	3121	298
4.4000E+07	1.9700E-02	4.6000E+07	1.5900E-02	4.8000E+07	1.3500E-029442	3121	299
5.0000E+07	1.1400E-02	5.2000E+07	9.9600E-03	5.4000E+07	8.9000E-039442	3121	300
5.6000E+07	8.1100E-03	5.8000E+07	7.3500E-03	6.0000E+07	6.7800E-039442	3121	301
6.2000E+07	6.4300E-03	6.4000E+07	6.0500E-03	6.6000E+07	5.3900E-039442	3121	302
6.8000E+07	5.1500E-03	7.0000E+07	4.8900E-03	7.2000E+07	4.7100E-039442	3121	303
7.4000E+07	4.4900E-03	7.6000E+07	4.3300E-03	7.8000E+07	4.2100E-039442	3121	304
8.0000E+07	4.0100E-03	8.5000E+07	3.7600E-03	9.0000E+07	3.5100E-039442	3121	305
9.5000E+07	3.3000E-03	1.0000E+08	3.1300E-03		9442	3121	306
					9442	3 0	307
9.4242E+04	2.4200E+02	0	0	0	09442	3122	308
-3.0730E+07	-3.0730E+07	0	0	1	349442	3122	309
	34	2			9442	3122	310
3.0857E+07	0.0000E+00	3.2000E+07	2.3100E-08	3.3000E+07	1.5900E-069442	3122	311
3.4000E+07	2.5600E-05	3.5000E+07	1.4100E-04	3.6000E+07	4.3500E-049442	3122	312
3.7000E+07	9.8900E-04	3.8000E+07	1.7600E-03	3.9000E+07	2.6100E-039442	3122	313
4.0000E+07	3.5300E-03	4.2000E+07	5.3300E-03	4.4000E+07	6.1800E-039442	3122	314
4.6000E+07	6.1400E-03	4.8000E+07	5.4700E-03	5.0000E+07	4.6700E-039442	3122	315
5.2000E+07	3.8900E-03	5.4000E+07	3.2100E-03	5.6000E+07	2.7500E-039442	3122	316
5.8000E+07	2.3200E-03	6.0000E+07	2.0100E-03	6.2000E+07	1.8100E-039442	3122	317
6.4000E+07	1.6300E-03	6.6000E+07	1.4800E-03	6.8000E+07	1.3600E-039442	3122	318

7.0000E+07	1.2700E-03	7.2000E+07	1.1800E-03	7.4000E+07	1.1100E-03	9442	3122	319
7.6000E+07	1.0400E-03	7.8000E+07	9.8700E-04	8.0000E+07	9.3500E-04	9442	3122	320
8.5000E+07	8.4000E-04	9.0000E+07	7.6300E-04	9.5000E+07	7.0200E-04	9442	3122	321
1.0000E+08	6.5600E-04					9442	3122	322
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3123	324
-3.6604E+07	-3.6604E+07	0	0	1	1	289442	3123	325
28	2					9442	3123	326
3.6755E+07	0.0000E+00	3.8000E+07	9.1900E-11	3.9000E+07	1.6800E-08	9442	3123	327
4.0000E+07	3.9100E-07	4.2000E+07	1.2600E-05	4.4000E+07	7.6100E-05	9442	3123	328
4.6000E+07	2.1600E-04	4.8000E+07	3.8900E-04	5.0000E+07	5.5800E-04	9442	3123	329
5.2000E+07	6.6600E-04	5.4000E+07	7.0400E-04	5.6000E+07	6.7900E-04	9442	3123	330
5.8000E+07	6.1900E-04	6.0000E+07	5.4900E-04	6.2000E+07	4.9100E-04	9442	3123	331
6.4000E+07	4.2400E-04	6.6000E+07	3.6900E-04	6.8000E+07	3.1800E-04	9442	3123	332
7.0000E+07	2.8400E-04	7.2000E+07	2.5500E-04	7.4000E+07	2.3400E-04	9442	3123	333
7.6000E+07	2.1600E-04	7.8000E+07	2.0100E-04	8.0000E+07	1.8800E-04	9442	3123	334
8.5000E+07	1.6300E-04	9.0000E+07	1.4600E-04	9.5000E+07	1.3300E-04	9442	3123	335
1.0000E+08	1.1400E-04					9442	3123	336
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3124	338
-4.3947E+07	-4.3947E+07	0	0	1	1	239442	3124	339
23	2					9442	3124	340
4.4128E+07	0.0000E+00	4.6000E+07	2.7500E-11	4.8000E+07	7.9700E-09	9442	3124	341
5.0000E+07	1.9300E-07	5.2000E+07	1.2500E-06	5.4000E+07	4.4200E-06	9442	3124	342
5.6000E+07	9.3700E-06	5.8000E+07	1.6600E-05	6.0000E+07	2.2900E-05	9442	3124	343
6.2000E+07	2.6900E-05	6.4000E+07	2.9300E-05	6.6000E+07	2.9600E-05	9442	3124	344
6.8000E+07	2.8200E-05	7.0000E+07	2.6100E-05	7.2000E+07	2.3600E-05	9442	3124	345
7.4000E+07	2.1000E-05	7.6000E+07	1.8700E-05	7.8000E+07	1.6400E-05	9442	3124	346
8.0000E+07	1.4600E-05	8.5000E+07	1.1600E-05	9.0000E+07	9.5800E-06	9442	3124	347
9.5000E+07	8.2600E-06	1.0000E+08	7.4800E-06			9442	3124	348
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3125	350
-5.0201E+07	-5.0201E+07	0	0	1	1	199442	3125	351
19	2					9442	3125	352
5.0408E+07	0.0000E+00	5.4000E+07	1.2000E-11	5.6000E+07	4.7500E-10	9442	3125	353
5.8000E+07	9.0700E-09	6.0000E+07	4.8400E-08	6.2000E+07	1.4000E-07	9442	3125	354
6.4000E+07	3.1300E-07	6.6000E+07	5.5700E-07	6.8000E+07	8.3800E-07	9442	3125	355
7.0000E+07	1.0600E-06	7.2000E+07	1.2400E-06	7.4000E+07	1.3300E-06	9442	3125	356
7.6000E+07	1.2900E-06	7.8000E+07	1.2500E-06	8.0000E+07	1.1700E-06	9442	3125	357
8.5000E+07	9.4000E-07	9.0000E+07	7.4800E-07	9.5000E+07	6.0500E-07	9442	3125	358
1.0000E+08	5.0600E-07					9442	3125	359
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3126	361
-5.7972E+07	-5.7972E+07	0	0	1	1	169442	3126	362
16	2					9442	3126	363
5.8212E+07	0.0000E+00	6.0000E+07	5.7200E-18	6.2000E+07	9.3000E-15	9442	3126	364
6.4000E+07	9.3000E-13	6.6000E+07	2.3300E-11	6.8000E+07	2.0100E-10	9442	3126	365
7.0000E+07	8.0800E-10	7.2000E+07	2.4100E-09	7.4000E+07	5.2000E-09	9442	3126	366
7.6000E+07	9.4900E-09	7.8000E+07	1.4800E-08	8.0000E+07	1.9900E-08	9442	3126	367
8.5000E+07	2.7100E-08	9.0000E+07	2.6900E-08	9.5000E+07	2.3100E-08	9442	3126	368
1.0000E+08	1.9000E-08					9442	3126	369
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3153	371
-4.6596E+06	-4.6596E+06	0	0	1	1	529442	3153	372
52	2					9442	3153	373
4.6788E+06	0.0000E+00	1.4000E+07	6.0500E-04	1.5000E+07	1.2900E-03	9442	3153	374
1.6000E+07	2.2200E-03	1.7000E+07	3.4200E-03	1.8000E+07	4.3900E-03	9442	3153	375
1.9000E+07	6.5000E-03	2.0000E+07	9.0700E-03	2.1000E+07	1.2000E-02	9442	3153	376
2.2000E+07	1.4400E-02	2.3000E+07	1.8900E-02	2.4000E+07	2.3700E-02	9442	3153	377
2.5000E+07	2.8500E-02	2.6000E+07	3.2100E-02	2.7000E+07	3.7000E-02	9442	3153	378
2.8000E+07	4.1400E-02	2.9000E+07	4.5200E-02	3.0000E+07	4.8900E-02	9442	3153	379
3.1000E+07	5.0500E-02	3.2000E+07	5.3200E-02	3.3000E+07	5.5600E-02	9442	3153	380
3.4000E+07	5.7300E-02	3.5000E+07	5.8000E-02	3.6000E+07	5.6900E-02	9442	3153	381
3.7000E+07	5.6800E-02	3.8000E+07	5.6800E-02	3.9000E+07	5.6700E-02	9442	3153	382
4.0000E+07	5.6900E-02	4.2000E+07	5.3400E-02	4.4000E+07	5.2900E-02	9442	3153	383
4.6000E+07	5.2800E-02	4.8000E+07	5.2400E-02	5.0000E+07	5.2200E-02	9442	3153	384
5.2000E+07	5.1700E-02	5.4000E+07	5.1400E-02	5.6000E+07	5.1100E-02	9442	3153	385

5.8000E+07	5.0500E-02	6.0000E+07	5.0600E-02	6.2000E+07	5.0400E-029442	3153	386
6.4000E+07	5.0000E-02	6.6000E+07	4.9800E-02	6.8000E+07	4.9500E-029442	3153	387
7.0000E+07	4.9100E-02	7.2000E+07	4.8700E-02	7.4000E+07	4.8200E-029442	3153	388
7.6000E+07	4.7400E-02	7.8000E+07	4.7100E-02	8.0000E+07	4.6800E-029442	3153	389
8.5000E+07	4.6200E-02	9.0000E+07	4.5400E-02	9.5000E+07	4.4500E-029442	3153	390
1.0000E+08	4.3600E-02				9442	3153	391
					9442	3	0
9.4242E+04	2.4200E+02	0	0	0	09442	3154	393
-1.0631E+07	-1.0631E+07	0	0	1	469442	3154	394
	46	2			9442	3154	395
1.0675E+07	0.0000E+00	2.0000E+07	1.1500E-07	2.1000E+07	2.6700E-069442	3154	396
2.2000E+07	1.6200E-05	2.3000E+07	6.6800E-05	2.4000E+07	2.0600E-049442	3154	397
2.5000E+07	5.0100E-04	2.6000E+07	1.0600E-03	2.7000E+07	2.0000E-039442	3154	398
2.8000E+07	3.3200E-03	2.9000E+07	5.0100E-03	3.0000E+07	7.1400E-039442	3154	399
3.1000E+07	9.6400E-03	3.2000E+07	1.2300E-02	3.3000E+07	1.5000E-029442	3154	400
3.4000E+07	1.7700E-02	3.5000E+07	2.0500E-02	3.6000E+07	2.3300E-029442	3154	401
3.7000E+07	2.6100E-02	3.8000E+07	2.8700E-02	3.9000E+07	3.1100E-029442	3154	402
4.0000E+07	3.3100E-02	4.2000E+07	3.7000E-02	4.4000E+07	3.9100E-029442	3154	403
4.6000E+07	4.0500E-02	4.8000E+07	4.0400E-02	5.0000E+07	3.9200E-029442	3154	404
5.2000E+07	3.7500E-02	5.4000E+07	3.6200E-02	5.6000E+07	3.5100E-029442	3154	405
5.8000E+07	3.4200E-02	6.0000E+07	3.3300E-02	6.2000E+07	3.2600E-029442	3154	406
6.4000E+07	3.2100E-02	6.6000E+07	3.1700E-02	6.8000E+07	3.1200E-029442	3154	407
7.0000E+07	3.0800E-02	7.2000E+07	3.0500E-02	7.4000E+07	3.0100E-029442	3154	408
7.6000E+07	3.0000E-02	7.8000E+07	2.9600E-02	8.0000E+07	2.9300E-029442	3154	409
8.5000E+07	2.8600E-02	9.0000E+07	2.8000E-02	9.5000E+07	2.7300E-029442	3154	410
1.0000E+08	2.6800E-02				9442	3154	411
					9442	3	0
9.4242E+04	2.4200E+02	0	0	0	09442	3155	413
-1.5799E+07	-1.5799E+07	0	0	1	429442	3155	414
	42	2			9442	3155	415
1.5865E+07	0.0000E+00	2.4000E+07	6.3600E-10	2.5000E+07	7.6900E-099442	3155	416
2.6000E+07	3.6100E-05	2.7000E+07	3.4700E-06	2.8000E+07	1.7600E-059442	3155	417
2.9000E+07	6.5000E-05	3.0000E+07	1.8600E-04	3.1000E+07	4.2900E-049442	3155	418
3.2000E+07	8.6500E-04	3.3000E+07	1.5000E-03	3.4000E+07	2.4100E-039442	3155	419
3.5000E+07	3.5500E-03	3.6000E+07	4.8900E-03	3.7000E+07	6.3800E-039442	3155	420
3.8000E+07	7.9600E-03	3.9000E+07	9.7100E-03	4.0000E+07	1.1500E-029442	3155	421
4.2000E+07	1.4400E-02	4.4000E+07	1.7200E-02	4.6000E+07	1.9300E-029442	3155	422
4.8000E+07	2.2000E-02	5.0000E+07	2.4900E-02	5.2000E+07	2.7400E-029442	3155	423
5.4000E+07	2.8700E-02	5.6000E+07	2.9700E-02	5.8000E+07	3.0400E-029442	3155	424
6.0000E+07	3.0500E-02	6.2000E+07	3.0600E-02	6.4000E+07	3.0300E-029442	3155	425
6.6000E+07	2.9300E-02	6.8000E+07	2.8200E-02	7.0000E+07	2.6700E-029442	3155	426
7.2000E+07	2.5700E-02	7.4000E+07	2.4900E-02	7.6000E+07	2.4300E-029442	3155	427
7.8000E+07	2.3700E-02	8.0000E+07	2.3200E-02	8.5000E+07	2.2200E-029442	3155	428
9.0000E+07	2.1500E-02	9.5000E+07	2.1000E-02	1.0000E+08	2.0100E-029442	3155	429
					9442	3	0
9.4242E+04	2.4200E+02	0	0	0	09442	3156	431
-2.2017E+07	-2.2017E+07	0	0	1	379442	3156	432
	37	2			9442	3156	433
2.2108E+07	0.0000E+00	2.9000E+07	1.2800E-13	3.0000E+07	2.5300E-119442	3156	434
3.1000E+07	3.3800E-10	3.2000E+07	5.5000E-09	3.3000E+07	6.8000E-089442	3156	435
3.4000E+07	5.2800E-07	3.5000E+07	2.6000E-06	3.6000E+07	9.4500E-069442	3156	436
3.7000E+07	2.6900E-05	3.8000E+07	6.3800E-05	3.9000E+07	1.3400E-049442	3156	437
4.0000E+07	2.4100E-04	4.2000E+07	6.1100E-04	4.4000E+07	1.2000E-039442	3156	438
4.6000E+07	1.9000E-03	4.8000E+07	2.5500E-03	5.0000E+07	3.1400E-039442	3156	439
5.2000E+07	3.6400E-03	5.4000E+07	4.0800E-03	5.6000E+07	4.4800E-039442	3156	440
5.8000E+07	4.8400E-03	6.0000E+07	5.1600E-03	6.2000E+07	5.4200E-039442	3156	441
6.4000E+07	5.6800E-03	6.6000E+07	6.0200E-03	6.8000E+07	6.3300E-039442	3156	442
7.0000E+07	6.6300E-03	7.2000E+07	6.7700E-03	7.4000E+07	6.8200E-039442	3156	443
7.6000E+07	6.7400E-03	7.8000E+07	6.5800E-03	8.0000E+07	6.3100E-039442	3156	444
8.5000E+07	5.7400E-03	9.0000E+07	5.3100E-03	9.5000E+07	4.9900E-039442	3156	445
1.0000E+08	4.7600E-03				9442	3156	446
					9442	3	0
9.4242E+04	2.4200E+02	0	0	0	09442	3157	448
-2.7506E+07	-2.7506E+07	0	0	1	319442	3157	449
	31	2			9442	3157	450
2.7619E+07	0.0000E+00	3.5000E+07	1.5700E-13	3.6000E+07	1.7500E-119442	3157	451
3.7000E+07	2.4800E-10	3.8000E+07	2.3700E-09	3.9000E+07	2.5000E-089442	3157	452

4.0000E+07	1.5800E-07	4.2000E+07	2.7700E-06	4.4000E+07	2.2200E-05	9442	3157	453
4.6000E+07	9.3100E-05	4.8000E+07	2.5200E-04	5.0000E+07	5.2000E-04	9442	3157	454
5.2000E+07	8.6900E-04	5.4000E+07	1.2300E-03	5.6000E+07	1.6000E-03	9442	3157	455
5.8000E+07	1.9300E-03	6.0000E+07	2.2000E-03	6.2000E+07	2.4000E-03	9442	3157	456
6.4000E+07	2.5900E-03	6.6000E+07	2.7700E-03	6.8000E+07	2.9400E-03	9442	3157	457
7.0000E+07	3.1200E-03	7.2000E+07	3.2600E-03	7.4000E+07	3.3900E-03	9442	3157	458
7.6000E+07	3.5300E-03	7.8000E+07	3.6700E-03	8.0000E+07	3.8500E-03	9442	3157	459
8.5000E+07	4.0300E-03	9.0000E+07	4.0800E-03	9.5000E+07	3.8500E-03	9442	3157	460
1.0000E+08	3.5900E-03					9442	3157	461
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3158	463
-3.4134E+07	-3.4134E+07	0	0	1	1	259442	3158	464
	25	2				9442	3158	465
3.4275E+07	0.0000E+00	4.2000E+07	5.3400E-14	4.4000E+07	3.9600E-11	9442	3158	466
4.6000E+07	2.5900E-09	4.8000E+07	7.4200E-08	5.0000E+07	9.9300E-07	9442	3158	467
5.2000E+07	6.7100E-06	5.4000E+07	2.4800E-05	5.6000E+07	6.7100E-05	9442	3158	468
5.8000E+07	1.4100E-04	6.0000E+07	2.4800E-04	6.2000E+07	3.5900E-04	9442	3158	469
6.4000E+07	4.7300E-04	6.6000E+07	5.7900E-04	6.8000E+07	6.6500E-04	9442	3158	470
7.0000E+07	7.3200E-04	7.2000E+07	7.8600E-04	7.4000E+07	8.3600E-04	9442	3158	471
7.6000E+07	8.9000E-04	7.8000E+07	9.3800E-04	8.0000E+07	9.8400E-04	9442	3158	472
8.5000E+07	1.0700E-03	9.0000E+07	1.1400E-03	9.5000E+07	1.2400E-03	9442	3158	473
1.0000E+08	1.3100E-03					9442	3158	474
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3159	476
-3.9819E+07	-3.9819E+07	0	0	1	1	229442	3159	477
	22	2				9442	3159	478
3.9984E+07	0.0000E+00	4.8000E+07	6.3100E-15	5.0000E+07	5.8800E-12	9442	3159	479
5.2000E+07	3.4400E-10	5.4000E+07	9.1300E-09	5.6000E+07	1.1000E-07	9442	3159	480
5.8000E+07	7.9600E-07	6.0000E+07	3.7700E-06	6.2000E+07	1.1100E-05	9442	3159	481
6.4000E+07	2.6900E-05	6.6000E+07	5.3300E-05	6.8000E+07	8.7700E-05	9442	3159	482
7.0000E+07	1.2700E-04	7.2000E+07	1.6900E-04	7.4000E+07	2.1000E-04	9442	3159	483
7.6000E+07	2.4100E-04	7.8000E+07	2.6400E-04	8.0000E+07	2.9000E-04	9442	3159	484
8.5000E+07	3.3300E-04	9.0000E+07	3.7000E-04	9.5000E+07	4.0600E-04	9442	3159	485
1.0000E+08	4.3200E-04					9442	3159	486
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3160	488
-4.6802E+07	-4.6802E+07	0	0	1	1	189442	3160	489
	18	2				9442	3160	490
4.6996E+07	0.0000E+00	5.6000E+07	2.4500E-15	5.8000E+07	9.2700E-13	9442	3160	491
6.0000E+07	4.8100E-11	6.2000E+07	7.7500E-10	6.4000E+07	9.0700E-09	9442	3160	492
6.6000E+07	6.9300E-08	6.8000E+07	3.3400E-07	7.0000E+07	1.1400E-06	9442	3160	493
7.2000E+07	3.1800E-06	7.4000E+07	7.0900E-06	7.6000E+07	1.3000E-05	9442	3160	494
7.8000E+07	2.0400E-05	8.0000E+07	2.8700E-05	8.5000E+07	4.5600E-05	9442	3160	495
9.0000E+07	5.8200E-05	9.5000E+07	6.6400E-05	1.0000E+08	7.1900E-05	9442	3	0
						9442	3161	497
9.4242E+04	2.4200E+02	0	0	0	0	09442	3161	498
-5.2933E+07	-5.2933E+07	0	0	1	1	149442	3161	499
	14	2				9442	3161	500
5.3152E+07	0.0000E+00	6.4000E+07	1.0300E-14	6.6000E+07	7.0200E-13	9442	3161	501
6.8000E+07	1.7300E-11	7.0000E+07	2.3400E-10	7.2000E+07	2.1500E-09	9442	3161	502
7.4000E+07	1.5400E-08	7.6000E+07	6.9200E-08	7.8000E+07	2.1600E-07	9442	3161	503
8.0000E+07	5.4700E-07	8.5000E+07	2.2500E-06	9.0000E+07	5.4500E-06	9442	3161	504
9.5000E+07	9.0600E-06	1.0000E+08	1.1400E-05			9442	3161	505
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3162	507
-6.0285E+07	-6.0285E+07	0	0	1	1	119442	3162	508
	11	2				9442	3162	509
6.0534E+07	0.0000E+00	7.0000E+07	8.4800E-19	7.2000E+07	3.1900E-16	9442	3162	510
7.4000E+07	4.3800E-14	7.6000E+07	1.3300E-12	7.8000E+07	1.8000E-11	9442	3162	511
8.0000E+07	1.6200E-10	8.5000E+07	5.9000E-09	9.0000E+07	6.8300E-08	9442	3162	512
9.5000E+07	3.5800E-07	1.0000E+08	8.8600E-07			9442	3162	513
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3174	515
-1.0446E+07	-1.0446E+07	0	0	1	1	379442	3174	516
	37	2				9442	3174	517
1.0489E+07	0.0000E+00	2.9000E+07	4.2500E-12	3.0000E+07	2.4900E-10	9442	3174	518
3.1000E+07	1.7700E-08	3.2000E+07	1.1700E-07	3.3000E+07	2.8700E-07	9442	3174	519

3.4000E+07	6.6200E-07	3.5000E+07	1.4700E-06	3.6000E+07	3.1100E-069442	3174	520
3.7000E+07	6.0200E-06	3.8000E+07	1.1600E-05	3.9000E+07	2.2600E-059442	3174	521
4.0000E+07	4.2900E-05	4.2000E+07	1.8800E-04	4.4000E+07	4.6200E-049442	3174	522
4.6000E+07	8.5700E-04	4.8000E+07	1.3100E-03	5.0000E+07	1.8100E-039442	3174	523
5.2000E+07	2.3800E-03	5.4000E+07	2.9400E-03	5.6000E+07	3.4400E-039442	3174	524
5.8000E+07	3.8200E-03	6.0000E+07	4.1200E-03	6.2000E+07	4.3900E-039442	3174	525
6.4000E+07	4.6500E-03	6.6000E+07	4.7600E-03	6.8000E+07	4.8400E-039442	3174	526
7.0000E+07	4.8700E-03	7.2000E+07	4.8800E-03	7.4000E+07	4.9400E-039442	3174	527
7.6000E+07	4.9300E-03	7.8000E+07	4.9300E-03	8.0000E+07	4.9500E-039442	3174	528
8.5000E+07	4.9500E-03	9.0000E+07	4.9100E-03	9.5000E+07	4.9400E-039442	3174	529
1.0000E+08	4.9500E-03					9442 3174	530
						9442 3 0	531
9.4242E+04	2.4200E+02	0	0	0	09442	3175	532
9.7895E+06	9.7895E+06	0	0	1	609442	3175	533
	60	2			9442	3175	534
1.0000E-05	0.0000E+00	6.0000E+06	2.1000E-09	7.0000E+06	4.2900E-089442	3175	535
8.0000E+06	2.4600E-07	9.0000E+06	1.0200E-06	1.0000E+07	3.4800E-069442	3175	536
1.1000E+07	1.1000E-05	1.2000E+07	3.1000E-05	1.3000E+07	7.8200E-059442	3175	537
1.4000E+07	1.7300E-04	1.5000E+07	3.3500E-04	1.6000E+07	5.7200E-049442	3175	538
1.7000E+07	8.6800E-04	1.8000E+07	1.1800E-03	1.9000E+07	1.4500E-039442	3175	539
2.0000E+07	1.6400E-03	2.1000E+07	1.7400E-03	2.2000E+07	1.9000E-039442	3175	540
2.3000E+07	1.9100E-03	2.4000E+07	1.8800E-03	2.5000E+07	1.8400E-039442	3175	541
2.6000E+07	1.7800E-03	2.7000E+07	1.7000E-03	2.8000E+07	1.6000E-039442	3175	542
2.9000E+07	1.5100E-03	3.0000E+07	1.4100E-03	3.1000E+07	1.3100E-039442	3175	543
3.2000E+07	1.2200E-03	3.3000E+07	1.1300E-03	3.4000E+07	1.0500E-039442	3175	544
3.5000E+07	9.7600E-04	3.6000E+07	9.0500E-04	3.7000E+07	8.3700E-049442	3175	545
3.8000E+07	7.7400E-04	3.9000E+07	7.1300E-04	4.0000E+07	6.5500E-049442	3175	546
4.2000E+07	5.6500E-04	4.4000E+07	4.7000E-04	4.6000E+07	4.0000E-049442	3175	547
4.8000E+07	3.4700E-04	5.0000E+07	2.9700E-04	5.2000E+07	2.7400E-049442	3175	548
5.4000E+07	2.9400E-04	5.6000E+07	3.7700E-04	5.8000E+07	5.6600E-049442	3175	549
6.0000E+07	8.2600E-04	6.2000E+07	1.1600E-03	6.4000E+07	1.4500E-039442	3175	550
6.6000E+07	1.8400E-03	6.8000E+07	2.1900E-03	7.0000E+07	2.5400E-039442	3175	551
7.2000E+07	2.7900E-03	7.4000E+07	2.9600E-03	7.6000E+07	3.0400E-039442	3175	552
7.8000E+07	3.1000E-03	8.0000E+07	3.1500E-03	8.5000E+07	3.1600E-039442	3175	553
9.0000E+07	3.1200E-03	9.5000E+07	3.1000E-03	1.0000E+08	3.0400E-039442	3175	554
						9442 3 0	555
9.4242E+04	2.4200E+02	0	0	0	09442	3176	556
4.9831E+06	4.9831E+06	0	0	1	559442	3176	557
	55	2			9442	3176	558
1.0000E-05	0.0000E+00	1.1000E+07	6.0100E-08	1.2000E+07	4.5500E-079442	3176	559
1.3000E+07	1.6600E-06	1.4000E+07	5.8800E-06	1.5000E+07	1.8500E-059442	3176	560
1.6000E+07	5.1100E-05	1.7000E+07	1.4000E-04	1.8000E+07	3.2400E-049442	3176	561
1.9000E+07	6.3300E-04	2.0000E+07	1.0900E-03	2.1000E+07	1.6400E-039442	3176	562
2.2000E+07	2.1900E-03	2.3000E+07	2.8800E-03	2.4000E+07	3.5600E-039442	3176	563
2.5000E+07	4.1700E-03	2.6000E+07	4.7000E-03	2.7000E+07	5.0500E-039442	3176	564
2.8000E+07	5.2400E-03	2.9000E+07	5.3000E-03	3.0000E+07	5.2500E-039442	3176	565
3.1000E+07	5.1200E-03	3.2000E+07	4.9600E-03	3.3000E+07	4.7200E-039442	3176	566
3.4000E+07	4.4700E-03	3.5000E+07	4.2100E-03	3.6000E+07	3.9500E-039442	3176	567
3.7000E+07	3.6800E-03	3.8000E+07	3.4200E-03	3.9000E+07	3.1800E-039442	3176	568
4.0000E+07	2.9400E-03	4.2000E+07	2.5000E-03	4.4000E+07	2.1300E-039442	3176	569
4.6000E+07	1.7800E-03	4.8000E+07	1.4900E-03	5.0000E+07	1.2700E-039442	3176	570
5.2000E+07	1.0600E-03	5.4000E+07	9.0600E-04	5.6000E+07	7.7000E-049442	3176	571
5.8000E+07	6.5100E-04	6.0000E+07	5.5200E-04	6.2000E+07	4.8500E-049442	3176	572
6.4000E+07	4.3600E-04	6.6000E+07	4.6300E-04	6.8000E+07	5.4900E-049442	3176	573
7.0000E+07	7.2000E-04	7.2000E+07	9.7200E-04	7.4000E+07	1.2900E-039442	3176	574
7.6000E+07	1.6200E-03	7.8000E+07	1.9600E-03	8.0000E+07	2.2900E-039442	3176	575
8.5000E+07	2.9800E-03	9.0000E+07	3.3800E-03	9.5000E+07	3.5400E-039442	3176	576
1.0000E+08	3.4700E-03					9442 3176	577
						9442 3 0	578
9.4242E+04	2.4200E+02	0	0	0	09442	3177	579
-1.1703E+06	-1.1703E+06	0	0	1	499442	3177	580
	49	2			9442	3177	581
1.1752E+06	0.0000E+00	1.7000E+07	3.9500E-10	1.8000E+07	8.8100E-089442	3177	582
1.9000E+07	5.2700E-07	2.0000E+07	1.9200E-06	2.1000E+07	6.9700E-069442	3177	583
2.2000E+07	1.7000E-05	2.3000E+07	4.8300E-05	2.4000E+07	1.2100E-049442	3177	584
2.5000E+07	2.7300E-04	2.6000E+07	5.4500E-04	2.7000E+07	9.5900E-049442	3177	585
2.8000E+07	1.5200E-03	2.9000E+07	2.1700E-03	3.0000E+07	2.8400E-039442	3177	586

3.1000E+07	3.5100E-03	3.2000E+07	4.0900E-03	3.3000E+07	4.5300E-03	9442	3177	587
3.4000E+07	4.7900E-03	3.5000E+07	4.9500E-03	3.6000E+07	4.9900E-03	9442	3177	588
3.7000E+07	4.9400E-03	3.8000E+07	4.8200E-03	3.9000E+07	4.6500E-03	9442	3177	589
4.0000E+07	4.4300E-03	4.2000E+07	4.1500E-03	4.4000E+07	3.6200E-03	9442	3177	590
4.6000E+07	3.1200E-03	4.8000E+07	2.7000E-03	5.0000E+07	2.3200E-03	9442	3177	591
5.2000E+07	1.9600E-03	5.4000E+07	1.6400E-03	5.6000E+07	1.3700E-03	9442	3177	592
5.8000E+07	1.1600E-03	6.0000E+07	9.6300E-04	6.2000E+07	8.2300E-04	9442	3177	593
6.4000E+07	6.8700E-04	6.6000E+07	5.7200E-04	6.8000E+07	4.6900E-04	9442	3177	594
7.0000E+07	3.7600E-04	7.2000E+07	2.9600E-04	7.4000E+07	2.4200E-04	9442	3177	595
7.6000E+07	2.1800E-04	7.8000E+07	2.4200E-04	8.0000E+07	3.0900E-04	9442	3177	596
8.5000E+07	6.5000E-04	9.0000E+07	1.1200E-03	9.5000E+07	1.5800E-03	9442	3177	597
1.0000E+08	2.0100E-03					9442	3177	598
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3178	600
-6.2953E+06	-6.2953E+06	0	0	1	1	439442	3178	601
43	2					9442	3178	602
6.3213E+06	0.0000E+00	2.3000E+07	9.2000E-09	2.4000E+07	1.2200E-07	9442	3178	603
2.5000E+07	5.7600E-07	2.6000E+07	1.9100E-06	2.7000E+07	5.6100E-06	9442	3178	604
2.8000E+07	1.6200E-05	2.9000E+07	4.5000E-05	3.0000E+07	1.1000E-04	9442	3178	605
3.1000E+07	2.5000E-04	3.2000E+07	4.8400E-04	3.3000E+07	8.1400E-04	9442	3178	606
3.4000E+07	1.3000E-03	3.5000E+07	1.7700E-03	3.6000E+07	2.3300E-03	9442	3178	607
3.7000E+07	2.9100E-03	3.8000E+07	3.4800E-03	3.9000E+07	4.0200E-03	9442	3178	608
4.0000E+07	4.4500E-03	4.2000E+07	4.6200E-03	4.4000E+07	4.6700E-03	9442	3178	609
4.6000E+07	4.4700E-03	4.8000E+07	4.1100E-03	5.0000E+07	3.6400E-03	9442	3178	610
5.2000E+07	3.1800E-03	5.4000E+07	2.7600E-03	5.6000E+07	2.3800E-03	9442	3178	611
5.8000E+07	2.0600E-03	6.0000E+07	1.7500E-03	6.2000E+07	1.4800E-03	9442	3178	612
6.4000E+07	1.2400E-03	6.6000E+07	1.0500E-03	6.8000E+07	8.8900E-04	9442	3178	613
7.0000E+07	7.5600E-04	7.2000E+07	6.2900E-04	7.4000E+07	5.2500E-04	9442	3178	614
7.6000E+07	4.2800E-04	7.8000E+07	3.4200E-04	8.0000E+07	2.6000E-04	9442	3178	615
8.5000E+07	1.3700E-04	9.0000E+07	1.9900E-04	9.5000E+07	4.2800E-04	9442	3178	616
1.0000E+08	7.1700E-04					9442	3178	617
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3179	619
-1.2841E+07	-1.2841E+07	0	0	1	1	379442	3179	620
37	2					9442	3179	621
1.2894E+07	0.0000E+00	2.9000E+07	3.1700E-12	3.0000E+07	1.5000E-09	9442	3179	622
3.1000E+07	2.4800E-08	3.2000E+07	1.4000E-07	3.3000E+07	5.2800E-07	9442	3179	623
3.4000E+07	1.6700E-06	3.5000E+07	4.5400E-06	3.6000E+07	1.2100E-05	9442	3179	624
3.7000E+07	3.0000E-05	3.8000E+07	7.0200E-05	3.9000E+07	1.4900E-04	9442	3179	625
4.0000E+07	2.9300E-04	4.2000E+07	8.5400E-04	4.4000E+07	1.6200E-03	9442	3179	626
4.6000E+07	2.3800E-03	4.8000E+07	3.0100E-03	5.0000E+07	3.3700E-03	9442	3179	627
5.2000E+07	3.4300E-03	5.4000E+07	3.3000E-03	5.6000E+07	3.0400E-03	9442	3179	628
5.8000E+07	2.7300E-03	6.0000E+07	2.3900E-03	6.2000E+07	2.0900E-03	9442	3179	629
6.4000E+07	1.7900E-03	6.6000E+07	1.5300E-03	6.8000E+07	1.3000E-03	9442	3179	630
7.0000E+07	1.1000E-03	7.2000E+07	9.1800E-04	7.4000E+07	7.7700E-04	9442	3179	631
7.6000E+07	6.5900E-04	7.8000E+07	5.6200E-04	8.0000E+07	4.7200E-04	9442	3179	632
8.5000E+07	2.8500E-04	9.0000E+07	1.3900E-04	9.5000E+07	5.5000E-05	9442	3179	633
1.0000E+08	8.0500E-05					9442	3179	634
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3180	636
-1.8139E+07	-1.8139E+07	0	0	1	1	319442	3180	637
31	2					9442	3180	638
1.8214E+07	0.0000E+00	3.5000E+07	6.3900E-12	3.6000E+07	5.5200E-10	9442	3180	639
3.7000E+07	7.4400E-09	3.8000E+07	4.5200E-08	3.9000E+07	1.8400E-07	9442	3180	640
4.0000E+07	6.4900E-07	4.2000E+07	5.1300E-06	4.4000E+07	3.0200E-05	9442	3180	641
4.6000E+07	1.0900E-04	4.8000E+07	3.1300E-04	5.0000E+07	6.6300E-04	9442	3180	642
5.2000E+07	1.1100E-03	5.4000E+07	1.5400E-03	5.6000E+07	1.8800E-03	9442	3180	643
5.8000E+07	2.0800E-03	6.0000E+07	2.1400E-03	6.2000E+07	2.0900E-03	9442	3180	644
6.4000E+07	1.9600E-03	6.6000E+07	1.6400E-03	6.8000E+07	1.4500E-03	9442	3180	645
7.0000E+07	1.3000E-03	7.2000E+07	1.1200E-03	7.4000E+07	9.5400E-04	9442	3180	646
7.6000E+07	8.1000E-04	7.8000E+07	6.9800E-04	8.0000E+07	5.8900E-04	9442	3180	647
8.5000E+07	3.9500E-04	9.0000E+07	2.5900E-04	9.5000E+07	1.4600E-04	9442	3180	648
1.0000E+08	6.2000E-05					9442	3180	649
						9442	3	0
9.4242E+04	2.4200E+02	0	0	0	0	09442	3181	651
-2.4983E+07	-2.4983E+07	0	0	1	1	249442	3181	652
24	2					9442	3181	653

2.5086E+07	0.0000E+00	4.4000E+07	5.7400E-10	4.6000E+07	1.4200E-089442	3181	654								
4.8000E+07	1.6500E-07	5.0000E+07	1.2600E-06	5.2000E+07	7.5100E-069442	3181	655								
5.4000E+07	2.9000E-05	5.6000E+07	8.7300E-05	5.8000E+07	1.9000E-049442	3181	656								
6.0000E+07	3.3900E-04	6.2000E+07	5.0000E-04	6.4000E+07	6.5700E-049442	3181	657								
6.6000E+07	7.8700E-04	6.8000E+07	8.4600E-04	7.0000E+07	8.4800E-049442	3181	658								
7.2000E+07	8.1700E-04	7.4000E+07	7.6200E-04	7.6000E+07	6.9200E-049442	3181	659								
7.8000E+07	6.2000E-04	8.0000E+07	5.4300E-04	8.5000E+07	3.7800E-049442	3181	660								
9.0000E+07	2.5800E-04	9.5000E+07	1.7200E-04	1.0000E+08	1.0900E-049442	3181	661								
					9442 3 0		662								
9.4242E+04	2.4200E+02	0	0	0	09442	3182	663								
-3.0737E+07	-3.0737E+07	0	0	1	219442	3182	664								
21	2				9442	3182	665								
3.0864E+07	0.0000E+00	5.0000E+07	1.8600E-11	5.2000E+07	1.1100E-099442	3182	666								
5.4000E+07	1.4500E-08	5.6000E+07	1.3300E-07	5.8000E+07	8.2000E-079442	3182	667								
6.0000E+07	4.0300E-06	6.2000E+07	1.3200E-05	6.4000E+07	3.5300E-059442	3182	668								
6.6000E+07	7.2800E-05	6.8000E+07	1.2300E-04	7.0000E+07	1.7600E-049442	3182	669								
7.2000E+07	2.2800E-04	7.4000E+07	2.6700E-04	7.6000E+07	2.9200E-049442	3182	670								
7.8000E+07	3.0000E-04	8.0000E+07	2.9500E-04	8.5000E+07	2.4900E-049442	3182	671								
9.0000E+07	1.8700E-04	9.5000E+07	1.3100E-04	1.0000E+08	8.9200E-059442	3182	672								
					9442 3 0		673								
9.4242E+04	2.4200E+02	0	0	0	09442	3183	674								
-3.7992E+07	-3.7992E+07	0	0	1	189442	3183	675								
18	2				9442	3183	676								
3.8149E+07	0.0000E+00	5.6000E+07	3.9500E-15	5.8000E+07	2.2800E-129442	3183	677								
6.0000E+07	1.1100E-10	6.2000E+07	1.3100E-09	6.4000E+07	1.3100E-089442	3183	678								
6.6000E+07	9.2300E-08	6.8000E+07	4.7300E-07	7.0000E+07	1.6800E-069442	3183	679								
7.2000E+07	4.9500E-06	7.4000E+07	1.1400E-05	7.6000E+07	2.1600E-059442	3183	680								
7.8000E+07	3.4900E-05	8.0000E+07	5.0000E-05	8.5000E+07	7.9600E-059442	3183	681								
9.0000E+07	8.6600E-05	9.5000E+07	7.5200E-05	1.0000E+08	5.7200E-059442	3183	682								
					9442 3 0		683								
					9442 0 0		684								
					0 0 0		685								
					-1 0 0		0								
Pu-243	WIND				0 0 0		0								
9.4243E+04	2.4300E+02	-1	0	99	19443	1451	1								
0.0000E+00	0.0000E+00	0	0	0	69443	1451	2								
1.0000E+00	0.0000E+00	0	0	10	29443	1451	3								
0.0000E+00	0.0000E+00	0	0	67	339443	1451	4								
94-Pu-243	INPE	EVAL-SEP94	YU.A.KOROVIN	ET.AL.	9443	1451	5								
		DIST-OCT94			9443	1451	6								
----	WIND	MATERIAL	9443		9443	1451	7								
-----	INCIDENT-NEUTRON	DATA			9443	1451	8								
-----	ENDF-6	FORMAT			9443	1451	9								
AUTHORS OF EVALUATION:	A.YU.KONOBAYEV	, YU.A.KOROVIN	,		9443	1451	10								
	P.E.PERESLAVTSEV	, V.I.PLYASKIN			9443	1451	11								
					9443	1451	12								
FILE OF ACTINIDE DATA	LIBRARY	WIND			9443	1451	13								
ENERGY OF PROJECTILE:	0-100	MEV			9443	1451	14								
REFERENCE:	KERNTECHNIK	, 1994	, V.59	, P.87	9443	1451	15								
					9443	1451	16								
CONTENT OF FILE:					9443	1451	17								
					9443	1451	18								
MF = 1	GENERAL	INFORMATION			9443	1451	19								
					9443	1451	20								
MT = 451	COMMENTS	AND	DICTIONARY		9443	1451	21								
					9443	1451	22								
MF = 3	NEUTRON	CROSS-SECTIONS			9443	1451	23								
					9443	1451	24								
(N,2N)	REACTION	CROSS-SECTIONS	ARE	ORIGINAL	9443	1451	25								
(N,3N)	REACTION	CROSS-SECTIONS	ARE	ORIGINAL	9443	1451	26								
(N,F)	REACTION	CROSS-SECTIONS	BELOW	2	MEV	ARE	FROM	ENDF/B-VI	9443	1451	27				
THIS	VERSION	OF	THE	LIBRARY	INCLUDES	FAST	ENERGY	REGION	FOR	9443	1451	28			
SECTION	MT=18	FROM	0.1	UP	TO	100	MEV.	THE	VERSION	WITH	THE	DATA	9443	1451	29
AT	LOW	ENERGIES	WITH	RESONANCE	CONTRIBUTION	RECONSTRUCTION				9443	1451	30			
IS	AVAILABLE	FROM	THE	AUTHORS	AFTER	REQUEST				9443	1451	31			
										9443	1451	32			
MT=16,17,18,37,103,111	ARE	STANDARD	ENDF-6	SECTIONS	,					9443	1451	33			

OTHER MT NUMBERS ARE NEW ASSIGNED				9443	1451	34	
IN FOLLOWING DESCRIPTION "(N,X)" MEANS SUM CROSS-SECTIONS OF				9443	1451	35	
ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT				9443	1451	36	
RADIOACTIVE DECAY TAKEN INTO ACCOUNT				9443	1451	37	
				9443	1451	38	
MT = 16	(N,2N)	CROSS-SECTION	(Pu242 PRODUCTION)	9443	1451	39	
MT = 17	(N,3N)	CROSS-SECTION	(Pu241 PRODUCTION)	9443	1451	40	
MT = 18	(N,F) FISSION	CROSS-SECTION		9443	1451	41	
MT = 37	(N,4N)	CROSS-SECTION	(Pu240 PRODUCTION)	9443	1451	42	
MT =103	(N,P)	CROSS-SECTION	(Np243 PRODUCTION)	9443	1451	43	
MT =111	(N,2P)	CROSS-SECTION	(U242 PRODUCTION)	9443	1451	44	
MT =121	(N,5N)	CROSS-SECTION	(Pu239 PRODUCTION)	9443	1451	45	
MT =122	(N,6N)	CROSS-SECTION	(Pu238 PRODUCTION)	9443	1451	46	
MT =123	(N,7N)	CROSS-SECTION	(Pu237 PRODUCTION)	9443	1451	47	
MT =124	(N,8N)	CROSS-SECTION	(Pu236 PRODUCTION)	9443	1451	48	
MT =125	(N,9N)	CROSS-SECTION	(Pu235 PRODUCTION)	9443	1451	49	
MT =126	(N,10N)	CROSS-SECTION	(Pu234 PRODUCTION)	9443	1451	50	
MT =153	(N,NP) + (N,D)	CROSS-SECTION	(Np242 PRODUCTION)	9443	1451	51	
MT =154	(N,2NP) + (N,ND)	CROSS-SECTION	(Np241 PRODUCTION)	9443	1451	52	
MT =155	(N,3NP) + (N,2ND)	CROSS-SECTION	(Np240 PRODUCTION)	9443	1451	53	
MT =156	(N,4NP) + (N,3ND)	CROSS-SECTION	(Np239 PRODUCTION)	9443	1451	54	
MT =157	(N,5NP) + (N,4ND)	CROSS-SECTION	(Np238 PRODUCTION)	9443	1451	55	
MT =158	(N,6NP) + (N,5ND)	CROSS-SECTION	(Np237 PRODUCTION)	9443	1451	56	
MT =159	(N,7NP) + (N,6ND)	CROSS-SECTION	(Np236 PRODUCTION)	9443	1451	57	
MT =160	(N,8NP) + (N,7ND)	CROSS-SECTION	(Np235 PRODUCTION)	9443	1451	58	
MT =161	(N,9NP) + (N,8ND)	CROSS-SECTION	(Np234 PRODUCTION)	9443	1451	59	
MT =162	(N,10NP) + (N,9ND)	CROSS-SECTION	(Np233 PRODUCTION)	9443	1451	60	
MT =174	(N,N2P) + (N,PD)	CROSS-SECTION	(U241 PRODUCTION)	9443	1451	61	
MT =175	(N,2N2P) + (N,X)	CROSS-SECTION	(U240 PRODUCTION)	9443	1451	62	
MT =176	(N,3N2P) + (N,X)	CROSS-SECTION	(U239 PRODUCTION)	9443	1451	63	
MT =177	(N,4N2P) + (N,X)	CROSS-SECTION	(U238 PRODUCTION)	9443	1451	64	
MT =178	(N,5N2P) + (N,X)	CROSS-SECTION	(U237 PRODUCTION)	9443	1451	65	
MT =179	(N,6N2P) + (N,X)	CROSS-SECTION	(U236 PRODUCTION)	9443	1451	66	
MT =180	(N,7N2P) + (N,X)	CROSS-SECTION	(U235 PRODUCTION)	9443	1451	67	
MT =181	(N,8N2P) + (N,X)	CROSS-SECTION	(U234 PRODUCTION)	9443	1451	68	
MT =182	(N,9N2P) + (N,X)	CROSS-SECTION	(U233 PRODUCTION)	9443	1451	69	
MT =183	(N,10N2P) + (N,X)	CROSS-SECTION	(U232 PRODUCTION)	9443	1451	70	
				9443	1451	71	
		1	451	104	19443	1451	72
		3	16	23	19443	1451	73
		3	17	21	19443	1451	74
		3	18	28	19443	1451	75
		3	37	20	19443	1451	76
		3	103	23	19443	1451	77
		3	111	18	19443	1451	78
		3	121	17	19443	1451	79
		3	122	15	19443	1451	80
		3	123	13	19443	1451	81
		3	124	11	19443	1451	82
		3	125	10	19443	1451	83
		3	126	9	19443	1451	84
		3	153	21	19443	1451	85
		3	154	19	19443	1451	86
		3	155	18	19443	1451	87
		3	156	16	19443	1451	88
		3	157	14	19443	1451	89
		3	158	12	19443	1451	90
		3	159	11	19443	1451	91
		3	160	10	19443	1451	92
		3	161	8	19443	1451	93
		3	162	7	19443	1451	94
		3	174	15	19443	1451	95
		3	175	24	19443	1451	96
		3	176	22	19443	1451	97
		3	177	20	19443	1451	98
		3	178	18	19443	1451	99
		3	179	16	19443	1451	100

			3	180	14	19443	1451	101
			3	181	12	19443	1451	102
			3	182	11	19443	1451	103
			3	183	10	19443	1451	104
						9443	1	0
						9443	0	0
9.4243E+04	2.4300E+02		0	0	0	09443	3	16
-5.0392E+06	-5.0392E+06		0	0	1	609443	3	16
	60	2				9443	3	16
5.0599E+06	0.0000E+00	6.0000E+06	1.2000E+00	7.0000E+06	1.2600E+00	09443	3	16
8.0000E+06	1.2000E+00	9.0000E+06	1.1700E+00	1.0000E+07	1.1700E+00	09443	3	16
1.1000E+07	1.1800E+00	1.2000E+07	1.1700E+00	1.3000E+07	9.6500E-01	19443	3	16
1.4000E+07	6.6200E-01	1.5000E+07	4.4700E-01	1.6000E+07	3.2900E-01	19443	3	16
1.7000E+07	2.6200E-01	1.8000E+07	2.2100E-01	1.9000E+07	1.9600E-01	19443	3	16
2.0000E+07	1.7400E-01	2.1000E+07	1.5200E-01	2.2000E+07	1.4000E-01	19443	3	16
2.3000E+07	1.3300E-01	2.4000E+07	1.2700E-01	2.5000E+07	1.2400E-01	19443	3	16
2.6000E+07	1.1800E-01	2.7000E+07	1.1300E-01	2.8000E+07	1.0800E-01	19443	3	16
2.9000E+07	1.0400E-01	3.0000E+07	1.0200E-01	3.1000E+07	9.9700E-02	19443	3	16
3.2000E+07	9.7900E-02	3.3000E+07	9.5300E-02	3.4000E+07	9.3200E-02	19443	3	16
3.5000E+07	9.2100E-02	3.6000E+07	9.0000E-02	3.7000E+07	8.8200E-02	19443	3	16
3.8000E+07	8.6000E-02	3.9000E+07	8.4500E-02	4.0000E+07	8.2700E-02	19443	3	16
4.2000E+07	7.3600E-02	4.4000E+07	7.1100E-02	4.6000E+07	6.9200E-02	19443	3	16
4.8000E+07	6.7900E-02	5.0000E+07	6.5800E-02	5.2000E+07	6.4000E-02	19443	3	16
5.4000E+07	6.2200E-02	5.6000E+07	6.0200E-02	5.8000E+07	5.8400E-02	19443	3	16
6.0000E+07	5.6800E-02	6.2000E+07	5.6000E-02	6.4000E+07	5.4800E-02	19443	3	16
6.6000E+07	5.3000E-02	6.8000E+07	5.1600E-02	7.0000E+07	5.0400E-02	19443	3	16
7.2000E+07	4.9700E-02	7.4000E+07	4.8700E-02	7.6000E+07	4.7000E-02	19443	3	16
7.8000E+07	4.5900E-02	8.0000E+07	4.5100E-02	8.5000E+07	4.2700E-02	19443	3	16
9.0000E+07	4.0300E-02	9.5000E+07	3.8400E-02	1.0000E+08	3.6600E-02	19443	3	16
						9443	3	0
9.4243E+04	2.4300E+02		0	0	0	09443	3	17
-1.1333E+07	-1.1333E+07		0	0	1	549443	3	17
	54	2				9443	3	17
1.1380E+07	0.0000E+00	1.2000E+07	4.5200E-03	1.3000E+07	1.1000E-01	19443	3	17
1.4000E+07	2.8200E-01	1.5000E+07	4.0800E-01	1.6000E+07	4.8200E-01	19443	3	17
1.7000E+07	5.2800E-01	1.8000E+07	5.5300E-01	1.9000E+07	5.3000E-01	19443	3	17
2.0000E+07	4.4450E-01	2.1000E+07	3.5900E-01	2.2000E+07	2.7800E-01	19443	3	17
2.3000E+07	2.2000E-01	2.4000E+07	1.7800E-01	2.5000E+07	1.5500E-01	19443	3	17
2.6000E+07	1.3300E-01	2.7000E+07	1.1700E-01	2.8000E+07	1.0500E-01	19443	3	17
2.9000E+07	9.4900E-02	3.0000E+07	8.7100E-02	3.1000E+07	8.0800E-02	19443	3	17
3.2000E+07	7.5700E-02	3.3000E+07	7.0900E-02	3.4000E+07	6.6900E-02	19443	3	17
3.5000E+07	6.3400E-02	3.6000E+07	6.0200E-02	3.7000E+07	5.7700E-02	19443	3	17
3.8000E+07	5.5500E-02	3.9000E+07	5.3700E-02	4.0000E+07	5.2000E-02	19443	3	17
4.2000E+07	4.7800E-02	4.4000E+07	4.5400E-02	4.6000E+07	4.3400E-02	19443	3	17
4.8000E+07	4.1500E-02	5.0000E+07	4.0000E-02	5.2000E+07	3.8600E-02	19443	3	17
5.4000E+07	3.7200E-02	5.6000E+07	3.6100E-02	5.8000E+07	3.5100E-02	19443	3	17
6.0000E+07	3.4200E-02	6.2000E+07	3.3400E-02	6.4000E+07	3.2400E-02	19443	3	17
6.6000E+07	3.1600E-02	6.8000E+07	3.0800E-02	7.0000E+07	3.0100E-02	19443	3	17
7.2000E+07	2.9300E-02	7.4000E+07	2.8600E-02	7.6000E+07	2.8000E-02	19443	3	17
7.8000E+07	2.7200E-02	8.0000E+07	2.6600E-02	8.5000E+07	2.5200E-02	19443	3	17
9.0000E+07	2.3900E-02	9.5000E+07	2.2800E-02	1.0000E+08	2.1500E-02	19443	3	17
						9443	3	0
9.4243E+04	2.4300E+02		0	0	0	09443	3	18
2.0000E+08	2.0000E+08		0	0	1	759443	3	18
	75	2				9443	3	18
1.0000E+05	5.0000E-01	1.6141E+05	4.6789E-01	2.4541E+05	4.4148E-01	19443	3	18
3.5674E+05	4.1917E-01	5.0000E+05	4.0000E-01	6.0000E+05	4.0000E-01	19443	3	18
7.0000E+05	4.5000E-01	8.0000E+05	5.6000E-01	9.0000E+05	8.0000E-01	19443	3	18
1.0000E+06	1.1000E+00	1.2000E+06	1.3000E+00	1.5000E+06	1.4000E+00	09443	3	18
2.0000E+06	1.4000E+00	3.0000E+06	1.2230E+00	4.0000E+06	1.1614E+00	09443	3	18
5.0000E+06	1.1223E+00	6.0000E+06	1.1689E+00	7.0000E+06	1.6059E+00	09443	3	18
8.0000E+06	1.7510E+00	9.0000E+06	1.7526E+00	1.0000E+07	1.7308E+00	09443	3	18
1.1000E+07	1.7117E+00	1.2000E+07	1.6927E+00	1.3000E+07	1.7533E+00	09443	3	18
1.4000E+07	1.8468E+00	1.5000E+07	1.8972E+00	1.6000E+07	1.9169E+00	09443	3	18
1.7000E+07	1.9235E+00	1.8000E+07	1.9260E+00	1.9000E+07	1.9203E+00	09443	3	18
2.0000E+07	1.9432E+00	2.1000E+07	1.9637E+00	2.2000E+07	1.9933E+00	09443	3	18
2.3000E+07	2.0111E+00	2.4000E+07	2.0246E+00	2.5000E+07	2.0314E+00	09443	3	18

2.6000E+07	2.0404E+00	2.7000E+07	2.0460E+00	2.8000E+07	2.0502E+009443	3	18	168
2.9000E+07	2.0538E+00	3.0000E+07	2.0576E+00	3.1000E+07	2.0617E+009443	3	18	169
3.2000E+07	2.0613E+00	3.3000E+07	2.0608E+00	3.4000E+07	2.0581E+009443	3	18	170
3.5000E+07	2.0547E+00	3.6000E+07	2.0535E+00	3.7000E+07	2.0521E+009443	3	18	171
3.8000E+07	2.0498E+00	3.9000E+07	2.0492E+00	4.0000E+07	2.0487E+009443	3	18	172
4.2000E+07	2.0496E+00	4.4000E+07	2.0399E+00	4.6000E+07	2.0296E+009443	3	18	173
4.8000E+07	2.0205E+00	5.0000E+07	2.0109E+00	5.2000E+07	1.9978E+009443	3	18	174
5.4000E+07	1.9864E+00	5.6000E+07	1.9752E+00	5.8000E+07	1.9653E+009443	3	18	175
6.0000E+07	1.9536E+00	6.2000E+07	1.9493E+00	6.4000E+07	1.9376E+009443	3	18	176
6.6000E+07	1.9272E+00	6.8000E+07	1.9173E+00	7.0000E+07	1.9071E+009443	3	18	177
7.2000E+07	1.8962E+00	7.4000E+07	1.8857E+00	7.6000E+07	1.8745E+009443	3	18	178
7.8000E+07	1.8654E+00	8.0000E+07	1.8559E+00	8.5000E+07	1.8313E+009443	3	18	179
9.0000E+07	1.8057E+00	9.5000E+07	1.7829E+00	1.0000E+08	1.7599E+009443	3	18	180
					9443	3	0	181
9.4243E+04	2.4300E+02	0	0	0	09443	3	37	182
-1.6585E+07	-1.6585E+07	0	0	1	499443	3	37	183
	49	2			9443	3	37	184
1.6654E+07	0.0000E+00	1.7000E+07	1.4300E-06	1.8000E+07	6.8100E-039443	3	37	185
1.9000E+07	4.6900E-02	2.0000E+07	1.0645E-01	2.1000E+07	1.6600E-019443	3	37	186
2.2000E+07	2.0500E-01	2.3000E+07	2.2600E-01	2.4000E+07	2.4100E-019443	3	37	187
2.5000E+07	2.4800E-01	2.6000E+07	2.5000E-01	2.7000E+07	2.4000E-019443	3	37	188
2.8000E+07	2.1800E-01	2.9000E+07	1.9200E-01	3.0000E+07	1.6400E-019443	3	37	189
3.1000E+07	1.4000E-01	3.2000E+07	1.2200E-01	3.3000E+07	1.0600E-019443	3	37	190
3.4000E+07	9.2300E-02	3.5000E+07	8.1900E-02	3.6000E+07	7.3400E-029443	3	37	191
3.7000E+07	6.6600E-02	3.8000E+07	6.1000E-02	3.9000E+07	5.6400E-029443	3	37	192
4.0000E+07	5.2400E-02	4.2000E+07	4.2800E-02	4.4000E+07	3.8500E-029443	3	37	193
4.6000E+07	3.5000E-02	4.8000E+07	3.2300E-02	5.0000E+07	3.0000E-029443	3	37	194
5.2000E+07	2.8200E-02	5.4000E+07	2.6800E-02	5.6000E+07	2.5600E-029443	3	37	195
5.8000E+07	2.4500E-02	6.0000E+07	2.3500E-02	6.2000E+07	2.2800E-029443	3	37	196
6.4000E+07	2.1800E-02	6.6000E+07	2.1200E-02	6.8000E+07	2.0500E-029443	3	37	197
7.0000E+07	2.0000E-02	7.2000E+07	1.9400E-02	7.4000E+07	1.8900E-029443	3	37	198
7.6000E+07	1.8400E-02	7.8000E+07	1.8000E-02	8.0000E+07	1.7500E-029443	3	37	199
8.5000E+07	1.6700E-02	9.0000E+07	1.5600E-02	9.5000E+07	1.4800E-029443	3	37	200
1.0000E+08	1.4000E-02				9443	3	37	201
					9443	3	0	202
9.4243E+04	2.4300E+02	0	0	0	09443	3103	203	
-6.5221E+05	-6.5221E+05	0	0	1	589443	3103	204	
	58	2			9443	3103	205	
6.5489E+05	0.0000E+00	8.0000E+06	2.4200E-06	9.0000E+06	5.4300E-059443	3103	206	
1.0000E+07	2.1300E-04	1.1000E+07	5.6100E-04	1.2000E+07	1.2900E-039443	3103	207	
1.3000E+07	2.5200E-03	1.4000E+07	3.8500E-03	1.5000E+07	6.4700E-039443	3103	208	
1.6000E+07	9.6900E-03	1.7000E+07	1.3600E-02	1.8000E+07	1.6000E-029443	3103	209	
1.9000E+07	2.0200E-02	2.0000E+07	2.3100E-02	2.1000E+07	2.6000E-029443	3103	210	
2.2000E+07	2.7100E-02	2.3000E+07	2.9600E-02	2.4000E+07	3.1800E-029443	3103	211	
2.5000E+07	3.3400E-02	2.6000E+07	3.3500E-02	2.7000E+07	3.4100E-029443	3103	212	
2.8000E+07	3.5700E-02	2.9000E+07	3.6200E-02	3.0000E+07	3.6700E-029443	3103	213	
3.1000E+07	3.6600E-02	3.2000E+07	3.7200E-02	3.3000E+07	3.7300E-029443	3103	214	
3.4000E+07	3.7200E-02	3.5000E+07	3.7100E-02	3.6000E+07	3.6700E-029443	3103	215	
3.7000E+07	3.6500E-02	3.8000E+07	3.6400E-02	3.9000E+07	3.6300E-029443	3103	216	
4.0000E+07	3.6100E-02	4.2000E+07	3.3100E-02	4.4000E+07	3.2400E-029443	3103	217	
4.6000E+07	3.1500E-02	4.8000E+07	3.0800E-02	5.0000E+07	3.0000E-029443	3103	218	
5.2000E+07	2.9400E-02	5.4000E+07	2.8700E-02	5.6000E+07	2.7900E-029443	3103	219	
5.8000E+07	2.7200E-02	6.0000E+07	2.7100E-02	6.2000E+07	2.6300E-029443	3103	220	
6.4000E+07	2.5600E-02	6.6000E+07	2.4900E-02	6.8000E+07	2.4200E-029443	3103	221	
7.0000E+07	2.3500E-02	7.2000E+07	2.2900E-02	7.4000E+07	2.2300E-029443	3103	222	
7.6000E+07	2.1800E-02	7.8000E+07	2.1100E-02	8.0000E+07	2.0600E-029443	3103	223	
8.5000E+07	1.9500E-02	9.0000E+07	2.0500E-02	9.5000E+07	1.9300E-029443	3103	224	
1.0000E+08	1.8400E-02				9443	3103	225	
					9443	3	0	226
9.4243E+04	2.4300E+02	0	0	0	09443	3111	227	
-6.6805E+06	-6.6805E+06	0	0	1	459443	3111	228	
	45	2			9443	3111	229	
6.7080E+06	0.0000E+00	2.1000E+07	2.0300E-07	2.2000E+07	1.8000E-069443	3111	230	
2.3000E+07	7.6700E-06	2.4000E+07	2.3400E-05	2.5000E+07	5.6400E-059443	3111	231	
2.6000E+07	1.0200E-04	2.7000E+07	1.8200E-04	2.8000E+07	2.8300E-049443	3111	232	
2.9000E+07	4.1800E-04	3.0000E+07	5.7900E-04	3.1000E+07	7.1000E-049443	3111	233	
3.2000E+07	9.1400E-04	3.3000E+07	1.1400E-03	3.4000E+07	1.3800E-039443	3111	234	

3.5000E+07	1.6200E-03	3.6000E+07	1.8000E-03	3.7000E+07	2.0800E-039443	3111	235
3.8000E+07	2.3800E-03	3.9000E+07	2.6900E-03	4.0000E+07	3.0100E-039443	3111	236
4.2000E+07	3.3900E-03	4.4000E+07	3.9600E-03	4.6000E+07	4.4500E-039443	3111	237
4.8000E+07	4.7800E-03	5.0000E+07	5.0400E-03	5.2000E+07	5.2700E-039443	3111	238
5.4000E+07	5.4300E-03	5.6000E+07	5.5400E-03	5.8000E+07	5.6800E-039443	3111	239
6.0000E+07	5.7600E-03	6.2000E+07	5.8000E-03	6.4000E+07	5.8500E-039443	3111	240
6.6000E+07	5.9200E-03	6.8000E+07	5.9800E-03	7.0000E+07	6.0100E-039443	3111	241
7.2000E+07	6.0000E-03	7.4000E+07	6.0400E-03	7.6000E+07	6.0600E-039443	3111	242
7.8000E+07	6.0800E-03	8.0000E+07	6.0900E-03	8.5000E+07	6.0900E-039443	3111	243
9.0000E+07	6.0700E-03	9.5000E+07	6.0400E-03	1.0000E+08	6.0300E-039443	3111	244
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3121	246
-2.3119E+07	-2.3119E+07	0	0	1	429443	3121	247
	42	2			9443	3121	248
2.3215E+07	0.0000E+00	2.4000E+07	1.0600E-06	2.5000E+07	1.6000E-049443	3121	249
2.6000E+07	1.9600E-03	2.7000E+07	8.1800E-03	2.8000E+07	1.9500E-029443	3121	250
2.9000E+07	3.3700E-02	3.0000E+07	4.8500E-02	3.1000E+07	6.1800E-029443	3121	251
3.2000E+07	7.2200E-02	3.3000E+07	8.0300E-02	3.4000E+07	8.4300E-029443	3121	252
3.5000E+07	8.4000E-02	3.6000E+07	8.0400E-02	3.7000E+07	7.4500E-029443	3121	253
3.8000E+07	6.7800E-02	3.9000E+07	6.0600E-02	4.0000E+07	5.3800E-029443	3121	254
4.2000E+07	4.1500E-02	4.4000E+07	3.3400E-02	4.6000E+07	2.7500E-029443	3121	255
4.8000E+07	2.3600E-02	5.0000E+07	2.0400E-02	5.2000E+07	1.8100E-029443	3121	256
5.4000E+07	1.6200E-02	5.6000E+07	1.4800E-02	5.8000E+07	1.3500E-029443	3121	257
6.0000E+07	1.2600E-02	6.2000E+07	1.1900E-02	6.4000E+07	1.1200E-029443	3121	258
6.6000E+07	1.0600E-02	6.8000E+07	1.0100E-02	7.0000E+07	9.6500E-039443	3121	259
7.2000E+07	9.2500E-03	7.4000E+07	8.8700E-03	7.6000E+07	8.5600E-039443	3121	260
7.8000E+07	8.2800E-03	8.0000E+07	7.9800E-03	8.5000E+07	7.4200E-039443	3121	261
9.0000E+07	6.9700E-03	9.5000E+07	6.3800E-03	1.0000E+08	6.0300E-039443	3121	262
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3122	264
-2.8767E+07	-2.8767E+07	0	0	1	369443	3122	265
	36	2			9443	3122	266
2.8885E+07	0.0000E+00	3.0000E+07	6.3600E-08	3.1000E+07	1.8300E-059443	3122	267
3.2000E+07	2.2200E-04	3.3000E+07	1.0600E-03	3.4000E+07	2.8400E-039443	3122	268
3.5000E+07	5.4500E-03	3.6000E+07	8.7100E-03	3.7000E+07	1.1900E-029443	3122	269
3.8000E+07	1.4200E-02	3.9000E+07	1.6700E-02	4.0000E+07	1.8600E-029443	3122	270
4.2000E+07	2.0000E-02	4.4000E+07	1.9800E-02	4.6000E+07	1.7900E-029443	3122	271
4.8000E+07	1.5500E-02	5.0000E+07	1.2800E-02	5.2000E+07	1.0500E-029443	3122	272
5.4000E+07	8.8900E-03	5.6000E+07	7.6200E-03	5.8000E+07	6.2200E-039443	3122	273
6.0000E+07	5.5200E-03	6.2000E+07	5.0300E-03	6.4000E+07	4.6100E-039443	3122	274
6.6000E+07	4.2100E-03	6.8000E+07	3.9200E-03	7.0000E+07	3.7000E-039443	3122	275
7.2000E+07	3.4000E-03	7.4000E+07	3.2200E-03	7.6000E+07	3.0600E-039443	3122	276
7.8000E+07	2.9200E-03	8.0000E+07	2.7500E-03	8.5000E+07	2.5100E-039443	3122	277
9.0000E+07	2.2900E-03	9.5000E+07	2.2200E-03	1.0000E+08	2.0700E-039443	3122	278
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3123	280
-3.5765E+07	-3.5765E+07	0	0	1	299443	3123	281
	29	2			9443	3123	282
3.5912E+07	0.0000E+00	3.7000E+07	1.1000E-10	3.8000E+07	2.7400E-089443	3123	283
3.9000E+07	7.7200E-07	4.0000E+07	7.2100E-06	4.2000E+07	1.3200E-049443	3123	284
4.4000E+07	5.5200E-04	4.6000E+07	1.2200E-03	4.8000E+07	1.9300E-039443	3123	285
5.0000E+07	2.5600E-03	5.2000E+07	2.8700E-03	5.4000E+07	2.8500E-039443	3123	286
5.6000E+07	2.6200E-03	5.8000E+07	2.3100E-03	6.0000E+07	2.0000E-039443	3123	287
6.2000E+07	1.7800E-03	6.4000E+07	1.5300E-03	6.6000E+07	1.3300E-039443	3123	288
6.8000E+07	1.1600E-03	7.0000E+07	1.0300E-03	7.2000E+07	9.2400E-049443	3123	289
7.4000E+07	8.4000E-04	7.6000E+07	7.7800E-04	7.8000E+07	7.2700E-049443	3123	290
8.0000E+07	6.8000E-04	8.5000E+07	5.9100E-04	9.0000E+07	5.2900E-049443	3123	291
9.5000E+07	4.7800E-04	1.0000E+08	4.3600E-04		9443	3123	292
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3124	294
-4.1638E+07	-4.1638E+07	0	0	1	249443	3124	295
	24	2			9443	3124	296
4.1810E+07	0.0000E+00	4.4000E+07	1.3100E-09	4.6000E+07	1.4200E-079443	3124	297
4.8000E+07	2.6300E-06	5.0000E+07	1.9200E-05	5.2000E+07	6.1800E-059443	3124	298
5.4000E+07	1.3000E-04	5.6000E+07	2.0300E-04	5.8000E+07	2.7600E-049443	3124	299
6.0000E+07	3.1800E-04	6.2000E+07	3.3200E-04	6.4000E+07	3.3000E-049443	3124	300
6.6000E+07	3.1200E-04	6.8000E+07	2.8500E-04	7.0000E+07	2.5600E-049443	3124	301

7.2000E+07	2.2600E-04	7.4000E+07	1.9900E-04	7.6000E+07	1.7900E-04	9443	3124	302
7.8000E+07	1.6100E-04	8.0000E+07	1.4600E-04	8.5000E+07	1.1700E-04	9443	3124	303
9.0000E+07	9.8700E-05	9.5000E+07	8.2100E-05	1.0000E+08	7.5600E-05	9443	3124	304
						9443	3	305
9.4243E+04	2.4300E+02	0	0	0	0	09443	3125	306
-4.8981E+07	-4.8981E+07	0	0	1	1	209443	3125	307
	20	2				9443	3125	308
4.9183E+07	0.0000E+00	5.2000E+07	8.8100E-12	5.4000E+07	1.8900E-09	9443	3125	309
5.6000E+07	4.1000E-08	5.8000E+07	3.0500E-07	6.0000E+07	1.1900E-06	9443	3125	310
6.2000E+07	2.4400E-06	6.4000E+07	4.7600E-06	6.6000E+07	7.4300E-06	9443	3125	311
6.8000E+07	1.0100E-05	7.0000E+07	1.2200E-05	7.2000E+07	1.3500E-05	9443	3125	312
7.4000E+07	1.3900E-05	7.6000E+07	1.3500E-05	7.8000E+07	1.2800E-05	9443	3125	313
8.0000E+07	1.1800E-05	8.5000E+07	9.2600E-06	9.0000E+07	7.3000E-06	9443	3125	314
9.5000E+07	5.9800E-06	1.0000E+08	5.0900E-06			9443	3125	315
						9443	3	316
9.4243E+04	2.4300E+02	0	0	0	0	09443	3126	317
-5.5235E+07	-5.5235E+07	0	0	1	1	179443	3126	318
	17	2				9443	3126	319
5.5462E+07	0.0000E+00	5.8000E+07	3.7700E-15	6.0000E+07	3.1900E-12	9443	3126	320
6.2000E+07	7.1900E-11	6.4000E+07	1.1700E-09	6.6000E+07	7.7500E-09	9443	3126	321
6.8000E+07	2.9900E-08	7.0000E+07	8.2600E-08	7.2000E+07	1.7000E-07	9443	3126	322
7.4000E+07	2.7800E-07	7.6000E+07	3.8500E-07	7.8000E+07	4.7800E-07	9443	3126	323
8.0000E+07	5.6000E-07	8.5000E+07	6.2900E-07	9.0000E+07	5.6800E-07	9443	3126	324
9.5000E+07	4.7400E-07	1.0000E+08	3.9300E-07			9443	3126	325
						9443	3	326
9.4243E+04	2.4300E+02	0	0	0	0	09443	3153	327
-4.7300E+06	-4.7300E+06	0	0	1	1	529443	3153	328
	52	2				9443	3153	329
4.7494E+06	0.0000E+00	1.4000E+07	7.0900E-04	1.5000E+07	1.5800E-03	9443	3153	330
1.6000E+07	2.6000E-03	1.7000E+07	3.9200E-03	1.8000E+07	4.6200E-03	9443	3153	331
1.9000E+07	6.5300E-03	2.0000E+07	9.0150E-03	2.1000E+07	1.1500E-02	9443	3153	332
2.2000E+07	1.3400E-02	2.3000E+07	1.7200E-02	2.4000E+07	2.1500E-02	9443	3153	333
2.5000E+07	2.5900E-02	2.6000E+07	2.8300E-02	2.7000E+07	3.2200E-02	9443	3153	334
2.8000E+07	3.5700E-02	2.9000E+07	3.9100E-02	3.0000E+07	4.1800E-02	9443	3153	335
3.1000E+07	4.2700E-02	3.2000E+07	4.5000E-02	3.3000E+07	4.6100E-02	9443	3153	336
3.4000E+07	4.6500E-02	3.5000E+07	4.6500E-02	3.6000E+07	4.5600E-02	9443	3153	337
3.7000E+07	4.5700E-02	3.8000E+07	4.6000E-02	3.9000E+07	4.6300E-02	9443	3153	338
4.0000E+07	4.6400E-02	4.2000E+07	4.2100E-02	4.4000E+07	4.2100E-02	9443	3153	339
4.6000E+07	4.2100E-02	4.8000E+07	4.1900E-02	5.0000E+07	4.2000E-02	9443	3153	340
5.2000E+07	4.2200E-02	5.4000E+07	4.1800E-02	5.6000E+07	4.1400E-02	9443	3153	341
5.8000E+07	4.1400E-02	6.0000E+07	4.1200E-02	6.2000E+07	4.0800E-02	9443	3153	342
6.4000E+07	4.0300E-02	6.6000E+07	4.0000E-02	6.8000E+07	4.0000E-02	9443	3153	343
7.0000E+07	3.9700E-02	7.2000E+07	3.9400E-02	7.4000E+07	3.9400E-02	9443	3153	344
7.6000E+07	3.9100E-02	7.8000E+07	3.8700E-02	8.0000E+07	3.8300E-02	9443	3153	345
8.5000E+07	3.7500E-02	9.0000E+07	3.6800E-02	9.5000E+07	3.6100E-02	9443	3153	346
1.0000E+08	3.5400E-02					9443	3153	347
						9443	3	348
9.4243E+04	2.4300E+02	0	0	0	0	09443	3154	349
-9.6938E+06	-9.6938E+06	0	0	1	1	479443	3154	350
	47	2				9443	3154	351
9.7337E+06	0.0000E+00	1.9000E+07	2.0700E-09	2.0000E+07	3.1310E-06	9443	3154	352
2.1000E+07	6.2600E-06	2.2000E+07	3.3400E-05	2.3000E+07	1.2100E-04	9443	3154	353
2.4000E+07	3.4600E-04	2.5000E+07	8.1000E-04	2.6000E+07	1.6300E-03	9443	3154	354
2.7000E+07	2.8500E-03	2.8000E+07	4.3500E-03	2.9000E+07	6.6200E-03	9443	3154	355
3.0000E+07	9.3100E-03	3.1000E+07	1.2100E-02	3.2000E+07	1.5400E-02	9443	3154	356
3.3000E+07	1.9400E-02	3.4000E+07	2.3600E-02	3.5000E+07	2.7200E-02	9443	3154	357
3.6000E+07	2.9900E-02	3.7000E+07	3.2900E-02	3.8000E+07	3.5400E-02	9443	3154	358
3.9000E+07	3.7600E-02	4.0000E+07	3.9700E-02	4.2000E+07	4.3100E-02	9443	3154	359
4.4000E+07	4.5000E-02	4.6000E+07	4.5700E-02	4.8000E+07	4.5300E-02	9443	3154	360
5.0000E+07	4.4100E-02	5.2000E+07	4.2800E-02	5.4000E+07	4.1600E-02	9443	3154	361
5.6000E+07	4.0500E-02	5.8000E+07	3.9600E-02	6.0000E+07	3.8900E-02	9443	3154	362
6.2000E+07	3.8300E-02	6.4000E+07	3.8200E-02	6.6000E+07	3.7500E-02	9443	3154	363
6.8000E+07	3.7100E-02	7.0000E+07	3.6700E-02	7.2000E+07	3.6400E-02	9443	3154	364
7.4000E+07	3.5800E-02	7.6000E+07	3.5500E-02	7.8000E+07	3.5200E-02	9443	3154	365
8.0000E+07	3.4900E-02	8.5000E+07	3.4000E-02	9.0000E+07	3.3200E-02	9443	3154	366
9.5000E+07	3.2700E-02	1.0000E+08	3.2200E-02			9443	3154	367
						9443	3	368

9.4243E+04	2.4300E+02	0	0	0	09443	3155	369
-1.5665E+07	-1.5665E+07	0	0	1	439443	3155	370
43	2				9443	3155	371
1.5730E+07	0.0000E+00	2.3000E+07	3.9800E-11	2.4000E+07	6.8100E-10	9443	372
2.5000E+07	3.9500E-09	2.6000E+07	7.5900E-08	2.7000E+07	1.0300E-06	9443	373
2.8000E+07	4.7500E-06	2.9000E+07	2.1900E-05	3.0000E+07	7.0700E-05	9443	374
3.1000E+07	1.9700E-04	3.2000E+07	4.6100E-04	3.3000E+07	8.9500E-04	9443	375
3.4000E+07	1.5200E-03	3.5000E+07	2.3900E-03	3.6000E+07	3.4300E-03	9443	376
3.7000E+07	4.6900E-03	3.8000E+07	6.1000E-03	3.9000E+07	7.6300E-03	9443	377
4.0000E+07	9.1400E-03	4.2000E+07	1.2600E-02	4.4000E+07	1.5300E-02	9443	378
4.6000E+07	1.7900E-02	4.8000E+07	2.0400E-02	5.0000E+07	2.2900E-02	9443	379
5.2000E+07	2.4900E-02	5.4000E+07	2.6600E-02	5.6000E+07	2.7600E-02	9443	380
5.8000E+07	2.8300E-02	6.0000E+07	2.8500E-02	6.2000E+07	2.8000E-02	9443	381
6.4000E+07	2.6900E-02	6.6000E+07	2.5900E-02	6.8000E+07	2.4800E-02	9443	382
7.0000E+07	2.3800E-02	7.2000E+07	2.3200E-02	7.4000E+07	2.2600E-02	9443	383
7.6000E+07	2.2100E-02	7.8000E+07	2.1600E-02	8.0000E+07	2.1200E-02	9443	384
8.5000E+07	2.0400E-02	9.0000E+07	1.9800E-02	9.5000E+07	1.9100E-02	9443	385
1.0000E+08	1.8600E-02				9443	3155	386
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3156	388
-2.0834E+07	-2.0834E+07	0	0	1	389443	3156	389
38	2				9443	3156	390
2.0919E+07	0.0000E+00	2.8000E+07	2.7200E-12	2.9000E+07	1.9900E-10	9443	391
3.0000E+07	1.7700E-09	3.1000E+07	9.5300E-09	3.2000E+07	9.6800E-08	9443	392
3.3000E+07	8.1800E-07	3.4000E+07	4.1800E-06	3.5000E+07	1.6800E-05	9443	393
3.6000E+07	5.1100E-05	3.7000E+07	1.3100E-04	3.8000E+07	2.8300E-04	9443	394
3.9000E+07	5.5700E-04	4.0000E+07	9.4300E-04	4.2000E+07	2.0700E-03	9443	395
4.4000E+07	3.7600E-03	4.6000E+07	5.8500E-03	4.8000E+07	7.6800E-03	9443	396
5.0000E+07	9.4900E-03	5.2000E+07	1.1100E-02	5.4000E+07	1.2500E-02	9443	397
5.6000E+07	1.3700E-02	5.8000E+07	1.4800E-02	6.0000E+07	1.5800E-02	9443	398
6.2000E+07	1.7000E-02	6.4000E+07	1.8300E-02	6.6000E+07	1.9300E-02	9443	399
6.8000E+07	2.0100E-02	7.0000E+07	2.0400E-02	7.2000E+07	2.0600E-02	9443	400
7.4000E+07	2.0400E-02	7.6000E+07	1.9900E-02	7.8000E+07	1.9400E-02	9443	401
8.0000E+07	1.8800E-02	8.5000E+07	1.7300E-02	9.0000E+07	1.6200E-02	9443	402
9.5000E+07	1.5200E-02	1.0000E+08	1.4700E-02		9443	3156	403
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3157	405
-2.7051E+07	-2.7051E+07	0	0	1	329443	3157	406
32	2				9443	3157	407
2.7163E+07	0.0000E+00	3.4000E+07	2.6300E-15	3.5000E+07	2.2600E-12	9443	408
3.6000E+07	5.7100E-11	3.7000E+07	4.5900E-10	3.8000E+07	2.6100E-09	9443	409
3.9000E+07	1.7100E-08	4.0000E+07	9.8300E-08	4.2000E+07	2.0800E-06	9443	410
4.4000E+07	1.6400E-05	4.6000E+07	8.4200E-05	4.8000E+07	2.3700E-04	9443	411
5.0000E+07	5.0500E-04	5.2000E+07	8.5100E-04	5.4000E+07	1.2500E-03	9443	412
5.6000E+07	1.6300E-03	5.8000E+07	1.9600E-03	6.0000E+07	2.2300E-03	9443	413
6.2000E+07	2.4700E-03	6.4000E+07	2.6900E-03	6.6000E+07	2.8900E-03	9443	414
6.8000E+07	3.0700E-03	7.0000E+07	3.2300E-03	7.2000E+07	3.3700E-03	9443	415
7.4000E+07	3.5200E-03	7.6000E+07	3.6900E-03	7.8000E+07	3.8900E-03	9443	416
8.0000E+07	4.0400E-03	8.5000E+07	4.2600E-03	9.0000E+07	4.2500E-03	9443	417
9.5000E+07	3.9800E-03	1.0000E+08	3.6900E-03		9443	3157	418
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3158	420
-3.2540E+07	-3.2540E+07	0	0	1	269443	3158	421
26	2				9443	3158	422
3.2674E+07	0.0000E+00	4.0000E+07	7.3900E-15	4.2000E+07	2.5400E-11	9443	423
4.4000E+07	1.2200E-09	4.6000E+07	5.6800E-08	4.8000E+07	8.2200E-07	9443	424
5.0000E+07	6.3000E-06	5.2000E+07	2.6600E-05	5.4000E+07	8.3400E-05	9443	425
5.6000E+07	1.9100E-04	5.8000E+07	3.5500E-04	6.0000E+07	5.3600E-04	9443	426
6.2000E+07	7.5100E-04	6.4000E+07	9.5100E-04	6.6000E+07	1.1300E-03	9443	427
6.8000E+07	1.2900E-03	7.0000E+07	1.4200E-03	7.2000E+07	1.5500E-03	9443	428
7.4000E+07	1.6500E-03	7.6000E+07	1.7500E-03	7.8000E+07	1.8300E-03	9443	429
8.0000E+07	1.9100E-03	8.5000E+07	2.1000E-03	9.0000E+07	2.2600E-03	9443	430
9.5000E+07	2.4600E-03	1.0000E+08	2.5400E-03		9443	3158	431
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3159	433
-3.9168E+07	-3.9168E+07	0	0	1	229443	3159	434
22	2				9443	3159	435

3.9329E+07	0.0000E+00	4.8000E+07	2.3300E-13	5.0000E+07	3.6800E-119443	3159	436
5.2000E+07	1.1900E-09	5.4000E+07	2.0400E-08	5.6000E+07	2.1900E-079443	3159	437
5.8000E+07	1.4600E-06	6.0000E+07	5.6800E-06	6.2000E+07	1.7800E-059443	3159	438
6.4000E+07	4.3900E-05	6.6000E+07	8.5200E-05	6.8000E+07	1.4500E-049443	3159	439
7.0000E+07	2.1000E-04	7.2000E+07	2.7600E-04	7.4000E+07	3.3800E-049443	3159	440
7.6000E+07	3.9200E-04	7.8000E+07	4.3400E-04	8.0000E+07	4.6800E-049443	3159	441
8.5000E+07	5.2900E-04	9.0000E+07	5.8500E-04	9.5000E+07	6.4600E-049443	3159	442
1.0000E+08	6.9600E-04				9443	3159	443
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3160	445
-4.4853E+07	-4.4853E+07	0	0	1	199443	3160	446
19	2				9443	3160	447
4.5038E+07	0.0000E+00	5.4000E+07	1.1200E-14	5.6000E+07	3.2300E-129443	3160	448
5.8000E+07	1.2800E-10	6.0000E+07	1.8600E-09	6.2000E+07	1.7700E-089443	3160	449
6.4000E+07	1.5000E-07	6.6000E+07	7.8600E-07	6.8000E+07	3.0300E-069443	3160	450
7.0000E+07	7.8600E-06	7.2000E+07	1.6900E-05	7.4000E+07	3.1700E-059443	3160	451
7.6000E+07	5.1800E-05	7.8000E+07	7.3700E-05	8.0000E+07	9.9800E-059443	3160	452
8.5000E+07	1.4900E-04	9.0000E+07	1.7800E-04	9.5000E+07	2.0200E-049443	3160	453
1.0000E+08	2.2200E-04				9443	3160	454
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3161	456
-5.1837E+07	-5.1837E+07	0	0	1	159443	3161	457
15	2				9443	3161	458
5.2050E+07	0.0000E+00	6.2000E+07	7.4900E-16	6.4000E+07	1.9400E-139443	3161	459
6.6000E+07	8.8800E-12	6.8000E+07	2.0100E-10	7.0000E+07	2.4000E-099443	3161	460
7.2000E+07	1.4400E-08	7.4000E+07	7.5300E-08	7.6000E+07	2.8800E-079443	3161	461
7.8000E+07	9.0200E-07	8.0000E+07	2.1600E-06	8.5000E+07	8.8800E-069443	3161	462
9.0000E+07	1.8500E-05	9.5000E+07	2.8900E-05	1.0000E+08	3.5400E-059443	3161	463
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3162	465
-5.7967E+07	-5.7967E+07	0	0	1	129443	3162	466
12	2				9443	3162	467
5.8206E+07	0.0000E+00	6.8000E+07	5.9700E-18	7.0000E+07	3.3100E-159443	3162	468
7.2000E+07	2.1600E-13	7.4000E+07	5.1000E-12	7.6000E+07	6.2300E-119443	3162	469
7.8000E+07	5.4600E-10	8.0000E+07	3.2000E-09	8.5000E+07	7.7800E-089443	3162	470
9.0000E+07	5.0600E-07	9.5000E+07	1.9000E-06	1.0000E+08	3.9600E-069443	3162	471
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3174	473
-1.0561E+07	-1.0561E+07	0	0	1	349443	3174	474
34	2				9443	3174	475
1.0604E+07	0.0000E+00	3.2000E+07	8.0000E-11	3.3000E+07	7.6400E-099443	3174	476
3.4000E+07	4.8100E-08	3.5000E+07	1.6800E-07	3.6000E+07	4.4600E-079443	3174	477
3.7000E+07	1.1000E-06	3.8000E+07	2.1900E-06	3.9000E+07	4.3300E-069443	3174	478
4.0000E+07	8.2400E-06	4.2000E+07	4.5200E-05	4.4000E+07	1.3700E-049443	3174	479
4.6000E+07	3.4000E-04	4.8000E+07	6.3100E-04	5.0000E+07	1.0400E-039443	3174	480
5.2000E+07	1.5200E-03	5.4000E+07	2.0300E-03	5.6000E+07	2.4800E-039443	3174	481
5.8000E+07	2.8600E-03	6.0000E+07	3.2100E-03	6.2000E+07	3.3800E-039443	3174	482
6.4000E+07	3.5700E-03	6.6000E+07	3.6400E-03	6.8000E+07	3.6900E-039443	3174	483
7.0000E+07	3.7200E-03	7.2000E+07	3.8000E-03	7.4000E+07	3.7900E-039443	3174	484
7.6000E+07	3.7900E-03	7.8000E+07	3.7900E-03	8.0000E+07	3.7600E-039443	3174	485
8.5000E+07	3.7600E-03	9.0000E+07	3.7600E-03	9.5000E+07	3.7400E-039443	3174	486
1.0000E+08	3.7300E-03				9443	3174	487
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3175	489
1.1027E+07	1.1027E+07	0	0	1	619443	3175	490
61	2				9443	3175	491
1.0000E-05	0.0000E+00	5.0000E+06	1.7000E-09	6.0000E+06	3.5800E-089443	3175	492
7.0000E+06	2.1100E-07	8.0000E+06	8.9100E-07	9.0000E+06	3.0900E-069443	3175	493
1.0000E+07	9.9100E-06	1.1000E+07	2.8700E-05	1.2000E+07	7.3900E-059443	3175	494
1.3000E+07	1.6700E-04	1.4000E+07	3.3100E-04	1.5000E+07	5.8000E-049443	3175	495
1.6000E+07	9.1700E-04	1.7000E+07	1.3200E-03	1.8000E+07	1.7600E-039443	3175	496
1.9000E+07	2.1500E-03	2.0000E+07	2.3750E-03	2.1000E+07	2.6000E-039443	3175	497
2.2000E+07	2.6900E-03	2.3000E+07	2.6900E-03	2.4000E+07	2.6800E-039443	3175	498
2.5000E+07	2.6200E-03	2.6000E+07	2.5300E-03	2.7000E+07	2.4200E-039443	3175	499
2.8000E+07	2.2700E-03	2.9000E+07	2.1400E-03	3.0000E+07	2.0000E-039443	3175	500
3.1000E+07	1.8600E-03	3.2000E+07	1.7200E-03	3.3000E+07	1.6000E-039443	3175	501
3.4000E+07	1.4900E-03	3.5000E+07	1.3900E-03	3.6000E+07	1.2900E-039443	3175	502

3.7000E+07	1.2000E-03	3.8000E+07	1.1100E-03	3.9000E+07	1.0200E-039443	3175	503
4.0000E+07	9.3200E-04	4.2000E+07	8.1200E-04	4.4000E+07	6.6700E-049443	3175	504
4.6000E+07	5.6900E-04	4.8000E+07	4.9200E-04	5.0000E+07	4.2800E-049443	3175	505
5.2000E+07	3.9700E-04	5.4000E+07	4.2100E-04	5.6000E+07	5.2500E-049443	3175	506
5.8000E+07	7.3200E-04	6.0000E+07	1.0600E-03	6.2000E+07	1.4700E-039443	3175	507
6.4000E+07	1.9600E-03	6.6000E+07	2.4500E-03	6.8000E+07	2.9600E-039443	3175	508
7.0000E+07	3.3900E-03	7.2000E+07	3.7300E-03	7.4000E+07	4.0200E-039443	3175	509
7.6000E+07	4.2100E-03	7.8000E+07	4.3400E-03	8.0000E+07	4.4400E-039443	3175	510
8.5000E+07	4.5000E-03	9.0000E+07	4.4500E-03	9.5000E+07	4.4000E-039443	3175	511
1.0000E+08	4.3400E-03				9443	3175	512
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3176	514
4.7554E+06	4.7554E+06	0	0	1	559443	3176	515
	55	2			9443	3176	516
1.0000E-05	0.0000E+00	1.1000E+07	1.8600E-12	1.2000E+07	1.1400E-079443	3176	517
1.3000E+07	6.0700E-07	1.4000E+07	2.3600E-06	1.5000E+07	8.1900E-069443	3176	518
1.6000E+07	2.5300E-05	1.7000E+07	7.1600E-05	1.8000E+07	1.8100E-049443	3176	519
1.9000E+07	4.0000E-04	2.0000E+07	8.3500E-04	2.1000E+07	1.2700E-039443	3176	520
2.2000E+07	1.8800E-03	2.3000E+07	2.5600E-03	2.4000E+07	3.2000E-039443	3176	521
2.5000E+07	3.7500E-03	2.6000E+07	4.1700E-03	2.7000E+07	4.4100E-039443	3176	522
2.8000E+07	4.5100E-03	2.9000E+07	4.5200E-03	3.0000E+07	4.4500E-039443	3176	523
3.1000E+07	4.3200E-03	3.2000E+07	4.1400E-03	3.3000E+07	3.9300E-039443	3176	524
3.4000E+07	3.7100E-03	3.5000E+07	3.4700E-03	3.6000E+07	3.2500E-039443	3176	525
3.7000E+07	3.0300E-03	3.8000E+07	2.8300E-03	3.9000E+07	2.6200E-039443	3176	526
4.0000E+07	2.4300E-03	4.2000E+07	2.0300E-03	4.4000E+07	1.7000E-039443	3176	527
4.6000E+07	1.4200E-03	4.8000E+07	1.1800E-03	5.0000E+07	9.8400E-049443	3176	528
5.2000E+07	8.4300E-04	5.4000E+07	7.1800E-04	5.6000E+07	6.1300E-049443	3176	529
5.8000E+07	5.1000E-04	6.0000E+07	4.2000E-04	6.2000E+07	3.4700E-049443	3176	530
6.4000E+07	3.0100E-04	6.6000E+07	3.0000E-04	6.8000E+07	3.5100E-049443	3176	531
7.0000E+07	4.7500E-04	7.2000E+07	6.7700E-04	7.4000E+07	9.4100E-049443	3176	532
7.6000E+07	1.2500E-03	7.8000E+07	1.5200E-03	8.0000E+07	1.8400E-039443	3176	533
8.5000E+07	2.5300E-03	9.0000E+07	2.9000E-03	9.5000E+07	3.0400E-039443	3176	534
1.0000E+08	3.0700E-03				9443	3176	535
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3177	537
-5.1130E+04	-5.1130E+04	0	0	1	509443	3177	538
	50	2			9443	3177	539
5.1341E+04	0.0000E+00	1.6000E+07	5.9700E-10	1.7000E+07	1.3100E-079443	3177	540
1.8000E+07	7.0500E-07	1.9000E+07	2.6800E-06	2.0000E+07	1.3640E-059443	3177	541
2.1000E+07	2.4600E-05	2.2000E+07	6.8300E-05	2.3000E+07	1.7100E-049443	3177	542
2.4000E+07	3.8400E-04	2.5000E+07	7.5900E-04	2.6000E+07	1.3300E-039443	3177	543
2.7000E+07	2.0500E-03	2.8000E+07	2.8600E-03	2.9000E+07	3.7000E-039443	3177	544
3.0000E+07	4.5800E-03	3.1000E+07	5.3700E-03	3.2000E+07	6.0400E-039443	3177	545
3.3000E+07	6.5300E-03	3.4000E+07	6.7800E-03	3.5000E+07	6.9100E-039443	3177	546
3.6000E+07	6.8700E-03	3.7000E+07	6.7300E-03	3.8000E+07	6.5600E-039443	3177	547
3.9000E+07	6.3100E-03	4.0000E+07	5.9700E-03	4.2000E+07	5.1600E-039443	3177	548
4.4000E+07	4.4800E-03	4.6000E+07	3.8600E-03	4.8000E+07	3.3200E-039443	3177	549
5.0000E+07	2.8300E-03	5.2000E+07	2.4000E-03	5.4000E+07	1.9900E-039443	3177	550
5.6000E+07	1.6800E-03	5.8000E+07	1.4300E-03	6.0000E+07	1.2200E-039443	3177	551
6.2000E+07	1.0200E-03	6.4000E+07	8.6600E-04	6.6000E+07	7.0700E-049443	3177	552
6.8000E+07	5.7200E-04	7.0000E+07	4.3500E-04	7.2000E+07	3.4700E-049443	3177	553
7.4000E+07	2.9200E-04	7.6000E+07	2.7600E-04	7.8000E+07	3.1700E-049443	3177	554
8.0000E+07	4.2800E-04	8.5000E+07	9.5600E-04	9.0000E+07	1.6300E-039443	3177	555
9.5000E+07	2.2500E-03	1.0000E+08	2.8200E-03		9443	3177	556
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3178	558
-6.2045E+06	-6.2045E+06	0	0	1	449443	3178	559
	44	2			9443	3178	560
6.2301E+06	0.0000E+00	2.2000E+07	2.5100E-12	2.3000E+07	7.0500E-099443	3178	561
2.4000E+07	8.9600E-08	2.5000E+07	4.6400E-07	2.6000E+07	1.6800E-069443	3178	562
2.7000E+07	5.4400E-06	2.8000E+07	1.6500E-05	2.9000E+07	4.4500E-059443	3178	563
3.0000E+07	1.1200E-04	3.1000E+07	2.5100E-04	3.2000E+07	4.9700E-049443	3178	564
3.3000E+07	8.7400E-04	3.4000E+07	1.3600E-03	3.5000E+07	1.9700E-039443	3178	565
3.6000E+07	2.6100E-03	3.7000E+07	3.3200E-03	3.8000E+07	3.9500E-039443	3178	566
3.9000E+07	4.5000E-03	4.0000E+07	4.9200E-03	4.2000E+07	5.3800E-039443	3178	567
4.4000E+07	5.3500E-03	4.6000E+07	5.0200E-03	4.8000E+07	4.5400E-039443	3178	568
5.0000E+07	4.0100E-03	5.2000E+07	3.5000E-03	5.4000E+07	3.0100E-039443	3178	569

5.6000E+07	2.6000E-03	5.8000E+07	2.2100E-03	6.0000E+07	1.8700E-039443	3178	570
6.2000E+07	1.5500E-03	6.4000E+07	1.3100E-03	6.6000E+07	1.1000E-039443	3178	571
6.8000E+07	9.3200E-04	7.0000E+07	7.9600E-04	7.2000E+07	6.6000E-049443	3178	572
7.4000E+07	5.4200E-04	7.6000E+07	4.3300E-04	7.8000E+07	3.4300E-049443	3178	573
8.0000E+07	2.5300E-04	8.5000E+07	1.1600E-04	9.0000E+07	2.1500E-049443	3178	574
9.5000E+07	4.9300E-04	1.0000E+08	8.2500E-04		9443	3178	575
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3179	577
-1.1330E+07	-1.1330E+07	0	0	1	389443	3179	578
	38	2			9443	3179	579
1.1376E+07	0.0000E+00	2.8000E+07	2.4500E-10	2.9000E+07	1.1800E-089443	3179	580
3.0000E+07	9.3700E-08	3.1000E+07	4.2300E-07	3.2000E+07	1.4200E-069443	3179	581
3.3000E+07	4.3200E-06	3.4000E+07	1.1600E-05	3.5000E+07	3.0800E-059443	3179	582
3.6000E+07	7.3400E-05	3.7000E+07	1.6800E-04	3.8000E+07	3.3000E-049443	3179	583
3.9000E+07	6.0300E-04	4.0000E+07	9.6900E-04	4.2000E+07	1.6700E-039443	3179	584
4.4000E+07	2.7100E-03	4.6000E+07	3.6700E-03	4.8000E+07	4.3200E-039443	3179	585
5.0000E+07	4.5900E-03	5.2000E+07	4.5800E-03	5.4000E+07	4.3200E-039443	3179	586
5.6000E+07	3.9400E-03	5.8000E+07	3.5000E-03	6.0000E+07	3.0800E-039443	3179	587
6.2000E+07	2.6600E-03	6.4000E+07	2.2800E-03	6.6000E+07	1.9000E-039443	3179	588
6.8000E+07	1.6100E-03	7.0000E+07	1.3700E-03	7.2000E+07	1.1500E-039443	3179	589
7.4000E+07	9.9000E-04	7.6000E+07	8.4100E-04	7.8000E+07	7.2000E-049443	3179	590
8.0000E+07	5.9900E-04	8.5000E+07	3.4600E-04	9.0000E+07	1.5200E-049443	3179	591
9.5000E+07	7.6400E-05	1.0000E+08	1.4100E-04		9443	3179	592
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3180	594
-1.7876E+07	-1.7876E+07	0	0	1	319443	3180	595
	31	2			9443	3180	596
1.7949E+07	0.0000E+00	3.5000E+07	2.1500E-11	3.6000E+07	9.8900E-109443	3180	597
3.7000E+07	1.2000E-08	3.8000E+07	6.6300E-08	3.9000E+07	2.7100E-079443	3180	598
4.0000E+07	9.2400E-07	4.2000E+07	7.1600E-06	4.4000E+07	4.5900E-059443	3180	599
4.6000E+07	1.8800E-04	4.8000E+07	5.1300E-04	5.0000E+07	1.0700E-039443	3180	600
5.2000E+07	1.7200E-03	5.4000E+07	2.3500E-03	5.6000E+07	2.8100E-039443	3180	601
5.8000E+07	3.0500E-03	6.0000E+07	3.0800E-03	6.2000E+07	2.9400E-039443	3180	602
6.4000E+07	2.7200E-03	6.6000E+07	2.4100E-03	6.8000E+07	2.1200E-039443	3180	603
7.0000E+07	1.8500E-03	7.2000E+07	1.5800E-03	7.4000E+07	1.3600E-039443	3180	604
7.6000E+07	1.1500E-03	7.8000E+07	9.8100E-04	8.0000E+07	8.2900E-049443	3180	605
8.5000E+07	5.5100E-04	9.0000E+07	3.4800E-04	9.5000E+07	1.8700E-049443	3180	606
1.0000E+08	7.4600E-05				9443	3180	607
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3181	609
-2.3173E+07	-2.3173E+07	0	0	1	269443	3181	610
	26	2			9443	3181	611
2.3269E+07	0.0000E+00	4.0000E+07	1.0100E-13	4.2000E+07	6.4000E-109443	3181	612
4.4000E+07	2.4000E-08	4.6000E+07	2.9000E-07	4.8000E+07	2.1700E-069443	3181	613
5.0000E+07	1.3300E-05	5.2000E+07	5.5100E-05	5.4000E+07	1.7300E-049443	3181	614
5.6000E+07	3.8400E-04	5.8000E+07	6.9000E-04	6.0000E+07	1.0400E-039443	3181	615
6.2000E+07	1.3800E-03	6.4000E+07	1.6200E-03	6.6000E+07	1.7700E-039443	3181	616
6.8000E+07	1.7900E-03	7.0000E+07	1.7200E-03	7.2000E+07	1.5900E-039443	3181	617
7.4000E+07	1.4600E-03	7.6000E+07	1.3000E-03	7.8000E+07	1.1600E-039443	3181	618
8.0000E+07	1.0100E-03	8.5000E+07	6.8700E-04	9.0000E+07	4.6300E-049443	3181	619
9.5000E+07	3.0500E-04	1.0000E+08	1.9100E-04		9443	3181	620
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3182	622
-3.0017E+07	-3.0017E+07	0	0	1	229443	3182	623
	22	2			9443	3182	624
3.0141E+07	0.0000E+00	4.8000E+07	8.6000E-13	5.0000E+07	2.7800E-109443	3182	625
5.2000E+07	7.2400E-09	5.4000E+07	8.1200E-08	5.6000E+07	5.6800E-079443	3182	626
5.8000E+07	3.2000E-06	6.0000E+07	1.3300E-05	6.2000E+07	4.2300E-059443	3182	627
6.4000E+07	9.8700E-05	6.6000E+07	2.0400E-04	6.8000E+07	3.2500E-049443	3182	628
7.0000E+07	4.6000E-04	7.2000E+07	5.8200E-04	7.4000E+07	6.6100E-049443	3182	629
7.6000E+07	7.0800E-04	7.8000E+07	6.8800E-04	8.0000E+07	6.6500E-049443	3182	630
8.5000E+07	5.4000E-04	9.0000E+07	3.9100E-04	9.5000E+07	2.6900E-049443	3182	631
1.0000E+08	1.8300E-04				9443	3182	632
					9443	3	0
9.4243E+04	2.4300E+02	0	0	0	09443	3183	634
-3.5771E+07	-3.5771E+07	0	0	1	199443	3183	635
	19	2			9443	3183	636

3.5918E+07	0.0000E+00	5.4000E+07	4.4500E-14	5.6000E+07	1.0700E-119443	3183	637
5.8000E+07	3.8600E-10	6.0000E+07	5.2100E-09	6.2000E+07	4.2300E-089443	3183	638
6.4000E+07	2.6300E-07	6.6000E+07	1.6100E-06	6.8000E+07	5.6400E-069443	3183	639
7.0000E+07	1.6300E-05	7.2000E+07	3.7200E-05	7.4000E+07	6.6900E-059443	3183	640
7.6000E+07	1.0800E-04	7.8000E+07	1.5500E-04	8.0000E+07	1.9700E-049443	3183	641
8.5000E+07	2.6800E-04	9.0000E+07	2.7100E-04	9.5000E+07	2.3100E-049443	3183	642
1.0000E+08	1.7700E-04				9443	3183	643
					9443	3	0
					9443	0	0
					0	0	0
					-1	0	0
					0	0	0
Pu-244	WIND						
9.4244E+04	2.4400E+02	-1	0	99	19444	1451	1
0.0000E+00	0.0000E+00	0	0	0	69444	1451	2
1.0000E+00	0.0000E+00	0	0	10	29444	1451	3
0.0000E+00	0.0000E+00	0	0	67	339444	1451	4
94-Pu-244	INPE	EVAl-SEP94	YU.A.KOROVIN	ET.AL.	9444	1451	5
		DIST-OCT94			9444	1451	6
----	WIND	MATERIAL	9444		9444	1451	7
-----	INCIDENT-NEUTRON	DATA			9444	1451	8
-----	ENDF-6	FORMAT			9444	1451	9
AUTHORS OF EVALUATION:	A.YU.KONOBEYEV	,	YU.A.KOROVIN	,	9444	1451	10
	P.E.PERESLAVTSEV	,	V.I.PLYASKIN		9444	1451	11
					9444	1451	12
FILE OF ACTINIDE DATA	LIBRARY	WIND			9444	1451	13
ENERGY OF PROJECTILE:	0-100	MEV			9444	1451	14
REFERENCE:	KERNTECHNIK	, 1994	, V.59	, P.87	9444	1451	15
					9444	1451	16
CONTENT OF FILE:					9444	1451	17
					9444	1451	18
MF = 1	GENERAL	INFORMATION			9444	1451	19
					9444	1451	20
MT = 451	COMMENTS	AND	DICTIONARY		9444	1451	21
					9444	1451	22
MF = 3	NEUTRON	CROSS-SECTIONS			9444	1451	23
					9444	1451	24
(N,2N) REACTION	CROSS-SECTIONS	ARE	ORIGINAL		9444	1451	25
(N,3N) REACTION	CROSS-SECTIONS	ARE	ORIGINAL		9444	1451	26
(N,F) REACTION	CROSS-SECTIONS	BELOW	1 MEV	ARE FROM ENDF/B-VI	9444	1451	27
THIS VERSION	OF THE LIBRARY	INCLUDES	FAST ENERGY	REGION FOR	9444	1451	28
SECTION MT=18	FROM 0.1 UP	TO 100	MEV.	THE VERSION WITH THE DATA	9444	1451	29
AT LOW ENERGIES	WITH RESONANCE	CONTRIBUTION	RECONSTRUCTION		9444	1451	30
IS AVAILABLE	FROM THE	AUTHORS	AFTER	REQUEST	9444	1451	31
					9444	1451	32
MT=16,17,18,37,103,111	ARE	STANDARD	ENDF-6	SECTIONS,	9444	1451	33
OTHER MT NUMBERS	ARE	NEW	ASSIGNED		9444	1451	34
IN FOLLOWING	DESCRIPTION	"(N,X)"	MEANS	SUM	CROSS-SECTIONS	OF	9444
ALL REACTIONS	RESULTED	IN	THE	SAME	RESIDUAL	NUCLEUS	WITHOUT
RADIOACTIVE	DECAY	TAKEN	INTO	ACCOUNT	9444	1451	37
					9444	1451	38
MT = 16 (N,2N)	CROSS-SECTION	(Pu243	PRODUCTION)		9444	1451	39
MT = 17 (N,3N)	CROSS-SECTION	(Pu242	PRODUCTION)		9444	1451	40
MT = 18 (N,F) FISSION	CROSS-SECTION				9444	1451	41
MT = 37 (N,4N)	CROSS-SECTION	(Pu241	PRODUCTION)		9444	1451	42
MT =103 (N,P)	CROSS-SECTION	(Np244	PRODUCTION)		9444	1451	43
MT =111 (N,2P)	CROSS-SECTION	(U243	PRODUCTION)		9444	1451	44
MT =121 (N,5N)	CROSS-SECTION	(Pu240	PRODUCTION)		9444	1451	45
MT =122 (N,6N)	CROSS-SECTION	(Pu239	PRODUCTION)		9444	1451	46
MT =123 (N,7N)	CROSS-SECTION	(Pu238	PRODUCTION)		9444	1451	47
MT =124 (N,8N)	CROSS-SECTION	(Pu237	PRODUCTION)		9444	1451	48
MT =125 (N,9N)	CROSS-SECTION	(Pu236	PRODUCTION)		9444	1451	49
MT =126 (N,10N)	CROSS-SECTION	(Pu235	PRODUCTION)		9444	1451	50
MT =153 (N,NP) + (N,D)	CROSS-SECTION	(Np243	PRODUCTION)		9444	1451	51
MT =154 (N,2NP) + (N,ND)	CROSS-SECTION	(Np242	PRODUCTION)		9444	1451	52
MT =155 (N,3NP) + (N,2ND)	CROSS-SECTION	(Np241	PRODUCTION)		9444	1451	53
MT =156 (N,4NP) + (N,3ND)	CROSS-SECTION	(Np240	PRODUCTION)		9444	1451	54
MT =157 (N,5NP) + (N,4ND)	CROSS-SECTION	(Np239	PRODUCTION)		9444	1451	55

MT =158 (N,6NP)+(N,5ND)	CROSS-SECTION	(Np238 PRODUCTION)	9444	1451	56	
MT =159 (N,7NP)+(N,6ND)	CROSS-SECTION	(Np237 PRODUCTION)	9444	1451	57	
MT =160 (N,8NP)+(N,7ND)	CROSS-SECTION	(Np236 PRODUCTION)	9444	1451	58	
MT =161 (N,9NP)+(N,8ND)	CROSS-SECTION	(Np235 PRODUCTION)	9444	1451	59	
MT =162 (N,10NP)+(N,9ND)	CROSS-SECTION	(Np234 PRODUCTION)	9444	1451	60	
MT =174 (N,N2P)+(N,PD)	CROSS-SECTION	(U242 PRODUCTION)	9444	1451	61	
MT =175 (N,2N2P)+(N,X)	CROSS-SECTION	(U241 PRODUCTION)	9444	1451	62	
MT =176 (N,3N2P)+(N,X)	CROSS-SECTION	(U240 PRODUCTION)	9444	1451	63	
MT =177 (N,4N2P)+(N,X)	CROSS-SECTION	(U239 PRODUCTION)	9444	1451	64	
MT =178 (N,5N2P)+(N,X)	CROSS-SECTION	(U238 PRODUCTION)	9444	1451	65	
MT =179 (N,6N2P)+(N,X)	CROSS-SECTION	(U237 PRODUCTION)	9444	1451	66	
MT =180 (N,7N2P)+(N,X)	CROSS-SECTION	(U236 PRODUCTION)	9444	1451	67	
MT =181 (N,8N2P)+(N,X)	CROSS-SECTION	(U235 PRODUCTION)	9444	1451	68	
MT =182 (N,9N2P)+(N,X)	CROSS-SECTION	(U234 PRODUCTION)	9444	1451	69	
MT =183 (N,10N2P)+(N,X)	CROSS-SECTION	(U233 PRODUCTION)	9444	1451	70	
			9444	1451	71	
	1	451	104	19444	1451	72
	3	16	23	19444	1451	73
	3	17	21	19444	1451	74
	3	18	32	19444	1451	75
	3	37	19	19444	1451	76
	3	103	22	19444	1451	77
	3	111	18	19444	1451	78
	3	121	17	19444	1451	79
	3	122	15	19444	1451	80
	3	123	13	19444	1451	81
	3	124	11	19444	1451	82
	3	125	10	19444	1451	83
	3	126	9	19444	1451	84
	3	153	21	19444	1451	85
	3	154	19	19444	1451	86
	3	155	18	19444	1451	87
	3	156	16	19444	1451	88
	3	157	14	19444	1451	89
	3	158	12	19444	1451	90
	3	159	11	19444	1451	91
	3	160	9	19444	1451	92
	3	161	8	19444	1451	93
	3	162	7	19444	1451	94
	3	174	15	19444	1451	95
	3	175	23	19444	1451	96
	3	176	21	19444	1451	97
	3	177	19	19444	1451	98
	3	178	18	19444	1451	99
	3	179	16	19444	1451	100
	3	180	14	19444	1451	101
	3	181	12	19444	1451	102
	3	182	11	19444	1451	103
	3	183	10	19444	1451	104
				9444	1 0	105
				9444	0 0	106
9.4244E+04 2.4400E+02	0	0	0	09444	3 16	107
-5.9932E+06-5.9932E+06	0	0	1	599444	3 16	108
59 2				9444	3 16	109
6.0178E+06 0.0000E+00 7.0000E+06 5.0900E-01 8.0000E+06 9.8700E-01	9444	3 16	110			
9.0000E+06 1.1400E+00 1.0000E+07 1.1900E+00 1.1000E+07 1.2200E+00	9444	3 16	111			
1.2000E+07 1.2000E+00 1.3000E+07 9.3800E-01 1.4000E+07 6.1500E-01	9444	3 16	112			
1.5000E+07 4.0600E-01 1.6000E+07 2.9200E-01 1.7000E+07 2.3300E-01	9444	3 16	113			
1.8000E+07 1.9400E-01 1.9000E+07 1.7200E-01 2.0000E+07 1.5300E-01	9444	3 16	114			
2.1000E+07 1.3900E-01 2.2000E+07 1.2600E-01 2.3000E+07 1.1900E-01	9444	3 16	115			
2.4000E+07 1.1300E-01 2.5000E+07 1.0800E-01 2.6000E+07 1.0300E-01	9444	3 16	116			
2.7000E+07 9.8300E-02 2.8000E+07 9.4600E-02 2.9000E+07 9.1500E-02	9444	3 16	117			
3.0000E+07 8.8800E-02 3.1000E+07 8.6200E-02 3.2000E+07 8.4400E-02	9444	3 16	118			
3.3000E+07 8.2500E-02 3.4000E+07 8.0500E-02 3.5000E+07 7.8700E-02	9444	3 16	119			
3.6000E+07 7.6900E-02 3.7000E+07 7.5300E-02 3.8000E+07 7.4000E-02	9444	3 16	120			
3.9000E+07 7.3100E-02 4.0000E+07 7.1900E-02 4.2000E+07 6.9500E-02	9444	3 16	121			
4.4000E+07 6.7000E-02 4.6000E+07 6.4600E-02 4.8000E+07 6.2700E-02	9444	3 16	122			

5.0000E+07	6.0800E-02	5.2000E+07	5.9600E-02	5.4000E+07	5.7800E-02	9444	3	16	123
5.6000E+07	5.6000E-02	5.8000E+07	5.4400E-02	6.0000E+07	5.2800E-02	9444	3	16	124
6.2000E+07	5.1000E-02	6.4000E+07	4.9600E-02	6.6000E+07	4.8200E-02	9444	3	16	125
6.8000E+07	4.7100E-02	7.0000E+07	4.5800E-02	7.2000E+07	4.4700E-02	9444	3	16	126
7.4000E+07	4.3900E-02	7.6000E+07	4.2700E-02	7.8000E+07	4.1600E-02	9444	3	16	127
8.0000E+07	4.0600E-02	8.5000E+07	3.8300E-02	9.0000E+07	3.6100E-02	9444	3	16	128
9.5000E+07	3.3400E-02	1.0000E+08	3.1800E-02			9444	3	16	129
						9444	3	0	130
9.4244E+04	2.4400E+02	0	0	0		09444	3	17	131
-1.1055E+07	-1.1055E+07	0	0	1		549444	3	17	132
	54	2				9444	3	17	133
1.1100E+07	0.0000E+00	1.2000E+07	4.3400E-02	1.3000E+07	3.6500E-01	9444	3	17	134
1.4000E+07	5.7500E-01	1.5000E+07	6.3500E-01	1.6000E+07	6.5600E-01	9444	3	17	135
1.7000E+07	6.6800E-01	1.8000E+07	6.8000E-01	1.9000E+07	6.7400E-01	9444	3	17	136
2.0000E+07	6.0500E-01	2.1000E+07	4.8600E-01	2.2000E+07	3.8400E-01	9444	3	17	137
2.3000E+07	3.0100E-01	2.4000E+07	2.4800E-01	2.5000E+07	2.0800E-01	9444	3	17	138
2.6000E+07	1.7900E-01	2.7000E+07	1.5600E-01	2.8000E+07	1.4000E-01	9444	3	17	139
2.9000E+07	1.2700E-01	3.0000E+07	1.1500E-01	3.1000E+07	1.0600E-01	9444	3	17	140
3.2000E+07	9.9100E-02	3.3000E+07	9.2400E-02	3.4000E+07	8.7500E-02	9444	3	17	141
3.5000E+07	8.3100E-02	3.6000E+07	7.9500E-02	3.7000E+07	7.6000E-02	9444	3	17	142
3.8000E+07	7.2900E-02	3.9000E+07	7.0500E-02	4.0000E+07	6.8000E-02	9444	3	17	143
4.2000E+07	6.1200E-02	4.4000E+07	5.7800E-02	4.6000E+07	5.4800E-02	9444	3	17	144
4.8000E+07	5.2300E-02	5.0000E+07	5.0400E-02	5.2000E+07	4.8300E-02	9444	3	17	145
5.4000E+07	4.7000E-02	5.6000E+07	4.5600E-02	5.8000E+07	4.4400E-02	9444	3	17	146
6.0000E+07	4.3300E-02	6.2000E+07	4.1900E-02	6.4000E+07	4.0900E-02	9444	3	17	147
6.6000E+07	3.9900E-02	6.8000E+07	3.9000E-02	7.0000E+07	3.8000E-02	9444	3	17	148
7.2000E+07	3.7000E-02	7.4000E+07	3.6100E-02	7.6000E+07	3.5400E-02	9444	3	17	149
7.8000E+07	3.4400E-02	8.0000E+07	3.3600E-02	8.5000E+07	3.1800E-02	9444	3	17	150
9.0000E+07	2.8900E-02	9.5000E+07	2.8300E-02	1.0000E+08	2.7100E-02	9444	3	0	152
						09444	3	18	153
9.4244E+04	2.4400E+02	0	0	0		09444	3	18	154
2.0285E+08	2.0285E+08	0	0	1		879444	3	18	154
	87	2				9444	3	18	155
1.6000E+05	1.1083E-02	1.7500E+05	1.1930E-02	2.0000E+05	1.3688E-02	9444	3	18	156
2.5000E+05	2.1255E-02	2.9600E+05	2.3000E-02	3.2500E+05	3.5000E-02	9444	3	18	157
3.5000E+05	3.4000E-02	4.0000E+05	5.9000E-02	4.5000E+05	8.5000E-02	9444	3	18	158
5.0000E+05	1.2100E-01	5.5000E+05	1.8100E-01	5.9100E+05	2.1300E-01	9444	3	18	159
6.0000E+05	2.5800E-01	6.1000E+05	2.6500E-01	6.2000E+05	2.7500E-01	9444	3	18	160
6.4000E+05	3.4000E-01	6.5000E+05	3.7000E-01	6.6000E+05	4.0000E-01	9444	3	18	161
6.7000E+05	4.1000E-01	7.0000E+05	4.7000E-01	7.5000E+05	6.2000E-01	9444	3	18	162
8.0000E+05	7.8000E-01	9.0000E+05	1.1000E+00	9.9997E+05	1.2900E+00	9444	3	18	163
2.0000E+06	1.3694E+00	3.0000E+06	1.2390E+00	4.0000E+06	1.1787E+00	9444	3	18	164
5.0000E+06	1.1417E+00	6.0000E+06	1.2774E+00	7.0000E+06	1.7620E+00	9444	3	18	165
8.0000E+06	1.7576E+00	9.0000E+06	1.7154E+00	1.0000E+07	1.6816E+00	9444	3	18	166
1.1000E+07	1.6564E+00	1.2000E+07	1.6187E+00	1.3000E+07	1.6127E+00	9444	3	18	167
1.4000E+07	1.7037E+00	1.5000E+07	1.7818E+00	1.6000E+07	1.8234E+00	9444	3	18	168
1.7000E+07	1.8390E+00	1.8000E+07	1.8462E+00	1.9000E+07	1.8509E+00	9444	3	18	169
2.0000E+07	1.8744E+00	2.1000E+07	1.9128E+00	2.2000E+07	1.9374E+00	9444	3	18	170
2.3000E+07	1.9493E+00	2.4000E+07	1.9534E+00	2.5000E+07	1.9552E+00	9444	3	18	171
2.6000E+07	1.9589E+00	2.7000E+07	1.9585E+00	2.8000E+07	1.9617E+00	9444	3	18	172
2.9000E+07	1.9685E+00	3.0000E+07	1.9762E+00	3.1000E+07	1.9866E+00	9444	3	18	173
3.2000E+07	1.9929E+00	3.3000E+07	1.9966E+00	3.4000E+07	1.9985E+00	9444	3	18	174
3.5000E+07	1.9997E+00	3.6000E+07	2.0023E+00	3.7000E+07	2.0013E+00	9444	3	18	175
3.8000E+07	2.0001E+00	3.9000E+07	1.9997E+00	4.0000E+07	1.9997E+00	9444	3	18	176
4.2000E+07	2.0095E+00	4.4000E+07	2.0034E+00	4.6000E+07	1.9978E+00	9444	3	18	177
4.8000E+07	1.9931E+00	5.0000E+07	1.9868E+00	5.2000E+07	1.9786E+00	9444	3	18	178
5.4000E+07	1.9690E+00	5.6000E+07	1.9609E+00	5.8000E+07	1.9517E+00	9444	3	18	179
6.0000E+07	1.9402E+00	6.2000E+07	1.9304E+00	6.4000E+07	1.9198E+00	9444	3	18	180
6.6000E+07	1.9080E+00	6.8000E+07	1.8979E+00	7.0000E+07	1.8881E+00	9444	3	18	181
7.2000E+07	1.8780E+00	7.4000E+07	1.8677E+00	7.6000E+07	1.8569E+00	9444	3	18	182
7.8000E+07	1.8474E+00	8.0000E+07	1.8380E+00	8.5000E+07	1.8139E+00	9444	3	18	183
9.0000E+07	1.7929E+00	9.5000E+07	1.7700E+00	1.0000E+08	1.7491E+00	9444	3	0	184
						9444	3	0	185
9.4244E+04	2.4400E+02	0	0	0		09444	3	37	186
-1.7676E+07	-1.7676E+07	0	0	1		489444	3	37	187
	48	2				9444	3	37	188
1.7749E+07	0.0000E+00	1.8000E+07	6.9600E-06	1.9000E+07	4.0900E-03	9444	3	37	189

2.0000E+07	3.5300E-02	2.1000E+07	9.9400E-02	2.2000E+07	1.6400E-01	9444	3	37	190
2.3000E+07	2.1900E-01	2.4000E+07	2.5700E-01	2.5000E+07	2.8600E-01	9444	3	37	191
2.6000E+07	2.9700E-01	2.7000E+07	2.8600E-01	2.8000E+07	2.6000E-01	9444	3	37	192
2.9000E+07	2.2600E-01	3.0000E+07	1.9300E-01	3.1000E+07	1.6300E-01	9444	3	37	193
3.2000E+07	1.3800E-01	3.3000E+07	1.1800E-01	3.4000E+07	1.0300E-01	9444	3	37	194
3.5000E+07	8.8600E-02	3.6000E+07	7.9000E-02	3.7000E+07	7.1500E-02	9444	3	37	195
3.8000E+07	6.4800E-02	3.9000E+07	5.9400E-02	4.0000E+07	5.4700E-02	9444	3	37	196
4.2000E+07	4.7500E-02	4.4000E+07	4.1600E-02	4.6000E+07	3.7600E-02	9444	3	37	197
4.8000E+07	3.4300E-02	5.0000E+07	3.1900E-02	5.2000E+07	2.9900E-02	9444	3	37	198
5.4000E+07	2.8200E-02	5.6000E+07	2.6700E-02	5.8000E+07	2.5500E-02	9444	3	37	199
6.0000E+07	2.4600E-02	6.2000E+07	2.3600E-02	6.4000E+07	2.2800E-02	9444	3	37	200
6.6000E+07	2.2000E-02	6.8000E+07	2.1300E-02	7.0000E+07	2.0700E-02	9444	3	37	201
7.2000E+07	2.0100E-02	7.4000E+07	1.9500E-02	7.6000E+07	1.8900E-02	9444	3	37	202
7.8000E+07	1.8500E-02	8.0000E+07	1.8000E-02	8.5000E+07	1.6900E-02	9444	3	37	203
9.0000E+07	1.6400E-02	9.5000E+07	1.5600E-02	1.0000E+08	1.4800E-02	9444	3	37	204
						9444	3	0	205
9.4244E+04	2.4400E+02	0	0	0	0	09444	3103		206
-2.3875E+06	-2.3875E+06	0	0	1	1	569444	3103		207
	56	2				9444	3103		208
2.3973E+06	0.0000E+00	1.0000E+07	3.8700E-05	1.1000E+07	1.6300E-04	9444	3103		209
1.2000E+07	4.9400E-04	1.3000E+07	1.1900E-03	1.4000E+07	2.2400E-03	9444	3103		210
1.5000E+07	4.1700E-03	1.6000E+07	6.8600E-03	1.7000E+07	9.8100E-03	9444	3103		211
1.8000E+07	1.2200E-02	1.9000E+07	1.5600E-02	2.0000E+07	1.8700E-02	9444	3103		212
2.1000E+07	2.1200E-02	2.2000E+07	2.2400E-02	2.3000E+07	2.4700E-02	9444	3103		213
2.4000E+07	2.6600E-02	2.5000E+07	2.8000E-02	2.6000E+07	2.8300E-02	9444	3103		214
2.7000E+07	2.8800E-02	2.8000E+07	2.9300E-02	2.9000E+07	2.9700E-02	9444	3103		215
3.0000E+07	3.0100E-02	3.1000E+07	3.0200E-02	3.2000E+07	3.0400E-02	9444	3103		216
3.3000E+07	3.0400E-02	3.4000E+07	3.0300E-02	3.5000E+07	3.0100E-02	9444	3103		217
3.6000E+07	2.9700E-02	3.7000E+07	2.9600E-02	3.8000E+07	2.9400E-02	9444	3103		218
3.9000E+07	2.9200E-02	4.0000E+07	2.8900E-02	4.2000E+07	2.8800E-02	9444	3103		219
4.4000E+07	2.8100E-02	4.6000E+07	2.7400E-02	4.8000E+07	2.6700E-02	9444	3103		220
5.0000E+07	2.6000E-02	5.2000E+07	2.5300E-02	5.4000E+07	2.4600E-02	9444	3103		221
5.6000E+07	2.3800E-02	5.8000E+07	2.3200E-02	6.0000E+07	2.2500E-02	9444	3103		222
6.2000E+07	2.1900E-02	6.4000E+07	2.1200E-02	6.6000E+07	2.2600E-02	9444	3103		223
6.8000E+07	2.2100E-02	7.0000E+07	2.1500E-02	7.2000E+07	2.0900E-02	9444	3103		224
7.4000E+07	2.0300E-02	7.6000E+07	1.9800E-02	7.8000E+07	1.9300E-02	9444	3103		225
8.0000E+07	1.8800E-02	8.5000E+07	1.7600E-02	9.0000E+07	1.6500E-02	9444	3103		226
9.5000E+07	1.5500E-02	1.0000E+08	1.4700E-02			9444	3103		227
						9444	3	0	228
9.4244E+04	2.4400E+02	0	0	0	0	09444	3111		229
-8.6156E+06	-8.6156E+06	0	0	1	1	439444	3111		230
	43	2				9444	3111		231
8.6509E+06	0.0000E+00	2.3000E+07	8.8500E-07	2.4000E+07	4.6500E-06	9444	3111		232
2.5000E+07	1.6100E-05	2.6000E+07	3.9300E-05	2.7000E+07	8.5200E-05	9444	3111		233
2.8000E+07	1.5800E-04	2.9000E+07	2.6100E-04	3.0000E+07	3.9500E-04	9444	3111		234
3.1000E+07	5.2100E-04	3.2000E+07	7.0800E-04	3.3000E+07	9.1600E-04	9444	3111		235
3.4000E+07	1.1400E-03	3.5000E+07	1.3800E-03	3.6000E+07	1.5600E-03	9444	3111		236
3.7000E+07	1.8300E-03	3.8000E+07	2.1200E-03	3.9000E+07	2.4200E-03	9444	3111		237
4.0000E+07	2.7200E-03	4.2000E+07	3.0300E-03	4.4000E+07	3.4500E-03	9444	3111		238
4.6000E+07	3.7500E-03	4.8000E+07	3.9800E-03	5.0000E+07	4.1500E-03	9444	3111		239
5.2000E+07	4.2800E-03	5.4000E+07	4.4100E-03	5.6000E+07	4.5200E-03	9444	3111		240
5.8000E+07	4.6300E-03	6.0000E+07	4.6500E-03	6.2000E+07	4.7100E-03	9444	3111		241
6.4000E+07	4.7700E-03	6.6000E+07	4.7700E-03	6.8000E+07	4.7700E-03	9444	3111		242
7.0000E+07	4.8100E-03	7.2000E+07	4.8400E-03	7.4000E+07	4.8600E-03	9444	3111		243
7.6000E+07	4.8700E-03	7.8000E+07	4.8800E-03	8.0000E+07	4.8600E-03	9444	3111		244
8.5000E+07	4.8800E-03	9.0000E+07	4.8900E-03	9.5000E+07	4.8600E-03	9444	3111		245
1.0000E+08	4.8200E-03					9444	3111		246
						9444	3	0	247
9.4244E+04	2.4400E+02	0	0	0	0	09444	3121		248
-2.2918E+07	-2.2918E+07	0	0	1	1	429444	3121		249
	42	2				9444	3121		250
2.3012E+07	0.0000E+00	2.4000E+07	6.3100E-05	2.5000E+07	2.6000E-04	9444	3121		251
2.6000E+07	1.4800E-02	2.7000E+07	3.5600E-02	2.8000E+07	5.8900E-02	9444	3121		252
2.9000E+07	8.1000E-02	3.0000E+07	9.9000E-02	3.1000E+07	1.1400E-01	9444	3121		253
3.2000E+07	1.2600E-01	3.3000E+07	1.3300E-01	3.4000E+07	1.3400E-01	9444	3121		254
3.5000E+07	1.3200E-01	3.6000E+07	1.2500E-01	3.7000E+07	1.1500E-01	9444	3121		255
3.8000E+07	1.0400E-01	3.9000E+07	9.2800E-02	4.0000E+07	8.1800E-02	9444	3121		256

4.2000E+07	6.4300E-02	4.4000E+07	5.0900E-02	4.6000E+07	4.1500E-02	9444	3121	257
4.8000E+07	3.5000E-02	5.0000E+07	3.0300E-02	5.2000E+07	2.6500E-02	9444	3121	258
5.4000E+07	2.3900E-02	5.6000E+07	2.1800E-02	5.8000E+07	2.0000E-02	9444	3121	259
6.0000E+07	1.8700E-02	6.2000E+07	1.7200E-02	6.4000E+07	1.6300E-02	9444	3121	260
6.6000E+07	1.5500E-02	6.8000E+07	1.4700E-02	7.0000E+07	1.4000E-02	9444	3121	261
7.2000E+07	1.3500E-02	7.4000E+07	1.2500E-02	7.6000E+07	1.2100E-02	9444	3121	262
7.8000E+07	1.1700E-02	8.0000E+07	1.1400E-02	8.5000E+07	1.0600E-02	9444	3121	263
9.0000E+07	9.9500E-03	9.5000E+07	9.3400E-03	1.0000E+08	8.8500E-03	9444	3121	264
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	09444	3122	266
-2.9452E+07	-2.9452E+07	0	0	1	1	369444	3122	267
	36	2				9444	3122	268
2.9573E+07	0.0000E+00	3.0000E+07	4.8500E-09	3.1000E+07	4.0500E-06	9444	3122	269
3.2000E+07	9.4800E-05	3.3000E+07	6.9600E-04	3.4000E+07	2.5900E-03	9444	3122	270
3.5000E+07	6.0800E-03	3.6000E+07	1.1300E-02	3.7000E+07	1.7000E-02	9444	3122	271
3.8000E+07	2.3600E-02	3.9000E+07	2.9600E-02	4.0000E+07	3.5200E-02	9444	3122	272
4.2000E+07	4.1600E-02	4.4000E+07	4.3000E-02	4.6000E+07	3.9100E-02	9444	3122	273
4.8000E+07	3.3700E-02	5.0000E+07	2.7900E-02	5.2000E+07	2.2900E-02	9444	3122	274
5.4000E+07	1.8900E-02	5.6000E+07	1.5900E-02	5.8000E+07	1.3700E-02	9444	3122	275
6.0000E+07	1.1900E-02	6.2000E+07	1.0700E-02	6.4000E+07	9.6600E-03	9444	3122	276
6.6000E+07	8.6300E-03	6.8000E+07	7.9800E-03	7.0000E+07	7.4200E-03	9444	3122	277
7.2000E+07	6.9400E-03	7.4000E+07	6.6300E-03	7.6000E+07	6.2600E-03	9444	3122	278
7.8000E+07	5.9500E-03	8.0000E+07	5.6600E-03	8.5000E+07	5.1000E-03	9444	3122	279
9.0000E+07	4.7000E-03	9.5000E+07	4.3600E-03	1.0000E+08	4.0800E-03	9444	3122	280
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	09444	3123	282
-3.5099E+07	-3.5099E+07	0	0	1	1	309444	3123	283
	30	2				9444	3123	284
3.5243E+07	0.0000E+00	3.6000E+07	4.2800E-10	3.7000E+07	2.9500E-07	9444	3123	285
3.8000E+07	8.0400E-06	3.9000E+07	5.8100E-05	4.0000E+07	2.5300E-04	9444	3123	286
4.2000E+07	1.1500E-03	4.4000E+07	3.1600E-03	4.6000E+07	5.8100E-03	9444	3123	287
4.8000E+07	7.9800E-03	5.0000E+07	9.4700E-03	5.2000E+07	9.8800E-03	9444	3123	288
5.4000E+07	9.5100E-03	5.6000E+07	8.6500E-03	5.8000E+07	7.5500E-03	9444	3123	289
6.0000E+07	6.4000E-03	6.2000E+07	5.4500E-03	6.4000E+07	4.6700E-03	9444	3123	290
6.6000E+07	4.1900E-03	6.8000E+07	3.7000E-03	7.0000E+07	3.3300E-03	9444	3123	291
7.2000E+07	2.9900E-03	7.4000E+07	2.7400E-03	7.6000E+07	2.5400E-03	9444	3123	292
7.8000E+07	2.3800E-03	8.0000E+07	2.2100E-03	8.5000E+07	1.9400E-03	9444	3123	293
9.0000E+07	1.7400E-03	9.5000E+07	1.5800E-03	1.0000E+08	1.4300E-03	9444	3123	294
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	09444	3124	296
-4.2097E+07	-4.2097E+07	0	0	1	1	249444	3124	297
	24	2				9444	3124	298
4.2270E+07	0.0000E+00	4.4000E+07	3.5600E-10	4.6000E+07	4.4800E-07	9444	3124	299
4.8000E+07	9.4700E-06	5.0000E+07	6.8000E-05	5.2000E+07	2.4000E-04	9444	3124	300
5.4000E+07	5.3500E-04	5.6000E+07	8.7900E-04	5.8000E+07	1.2000E-03	9444	3124	301
6.0000E+07	1.4000E-03	6.2000E+07	1.4800E-03	6.4000E+07	1.4400E-03	9444	3124	302
6.6000E+07	1.3400E-03	6.8000E+07	1.2000E-03	7.0000E+07	1.0700E-03	9444	3124	303
7.2000E+07	9.3200E-04	7.4000E+07	8.1600E-04	7.6000E+07	7.2100E-04	9444	3124	304
7.8000E+07	6.4300E-04	8.0000E+07	5.7400E-04	8.5000E+07	4.5900E-04	9444	3124	305
9.0000E+07	3.8600E-04	9.5000E+07	3.4100E-04	1.0000E+08	3.0800E-04	9444	3124	306
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	09444	3125	308
-4.7971E+07	-4.7971E+07	0	0	1	1	209444	3125	309
	20	2				9444	3125	310
4.8167E+07	0.0000E+00	5.2000E+07	2.2700E-09	5.4000E+07	1.5100E-07	9444	3125	311
5.6000E+07	1.8200E-06	5.8000E+07	8.8400E-06	6.0000E+07	2.5700E-05	9444	3125	312
6.2000E+07	5.4600E-05	6.4000E+07	8.8600E-05	6.6000E+07	1.2200E-04	9444	3125	313
6.8000E+07	1.4700E-04	7.0000E+07	1.6200E-04	7.2000E+07	1.6800E-04	9444	3125	314
7.4000E+07	1.6400E-04	7.6000E+07	1.5300E-04	7.8000E+07	1.4100E-04	9444	3125	315
8.0000E+07	1.2800E-04	8.5000E+07	9.8900E-05	9.0000E+07	7.7400E-05	9444	3125	316
9.5000E+07	6.3100E-05	1.0000E+08	5.4000E-05			9444	3125	317
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	09444	3126	319
-5.5314E+07	-5.5314E+07	0	0	1	1	179444	3126	320
	17	2				9444	3126	321
5.5540E+07	0.0000E+00	5.8000E+07	5.3200E-14	6.0000E+07	4.3200E-11	9444	3126	322
6.2000E+07	2.0900E-09	6.4000E+07	2.6600E-08	6.6000E+07	1.4400E-07	9444	3126	323

6.8000E+07	4.8000E-07	7.0000E+07	1.1100E-06	7.2000E+07	2.2100E-06	9444	3126	324
7.4000E+07	3.4900E-06	7.6000E+07	4.8500E-06	7.8000E+07	5.9000E-06	9444	3126	325
8.0000E+07	6.7500E-06	8.5000E+07	7.1300E-06	9.0000E+07	6.2500E-06	9444	3126	326
9.5000E+07	5.0800E-06	1.0000E+08	3.9800E-06			9444	3126	327
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	09444	3153	329
-4.9247E+06	-4.9247E+06	0	0	1	1	529444	3153	330
	52	2				9444	3153	331
4.9449E+06	0.0000E+00	1.4000E+07	1.9400E-09	1.5000E+07	9.3500E-04	9444	3153	332
1.6000E+07	1.7700E-03	1.7000E+07	2.7600E-03	1.8000E+07	3.6600E-03	9444	3153	333
1.9000E+07	5.5400E-03	2.0000E+07	7.8800E-03	2.1000E+07	1.0600E-02	9444	3153	334
2.2000E+07	1.2800E-02	2.3000E+07	1.6900E-02	2.4000E+07	2.1400E-02	9444	3153	335
2.5000E+07	2.5800E-02	2.6000E+07	2.9200E-02	2.7000E+07	3.4000E-02	9444	3153	336
2.8000E+07	3.8200E-02	2.9000E+07	4.2100E-02	3.0000E+07	4.5700E-02	9444	3153	337
3.1000E+07	4.7600E-02	3.2000E+07	5.0500E-02	3.3000E+07	5.2800E-02	9444	3153	338
3.4000E+07	5.4700E-02	3.5000E+07	5.5600E-02	3.6000E+07	5.4600E-02	9444	3153	339
3.7000E+07	5.4700E-02	3.8000E+07	5.4700E-02	3.9000E+07	5.4700E-02	9444	3153	340
4.0000E+07	5.4800E-02	4.2000E+07	4.9300E-02	4.4000E+07	4.9200E-02	9444	3153	341
4.6000E+07	4.9200E-02	4.8000E+07	4.8900E-02	5.0000E+07	4.8600E-02	9444	3153	342
5.2000E+07	4.8700E-02	5.4000E+07	4.8600E-02	5.6000E+07	4.7600E-02	9444	3153	343
5.8000E+07	4.7600E-02	6.0000E+07	4.7600E-02	6.2000E+07	4.7500E-02	9444	3153	344
6.4000E+07	4.7500E-02	6.6000E+07	4.7300E-02	6.8000E+07	4.7100E-02	9444	3153	345
7.0000E+07	4.6800E-02	7.2000E+07	4.6500E-02	7.4000E+07	4.6300E-02	9444	3153	346
7.6000E+07	4.6000E-02	7.8000E+07	4.5800E-02	8.0000E+07	4.5400E-02	9444	3153	347
8.5000E+07	4.4800E-02	9.0000E+07	4.4000E-02	9.5000E+07	4.3500E-02	9444	3153	348
1.0000E+08	4.2500E-02					9444	3153	349
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	09444	3154	351
-1.1062E+07	-1.1062E+07	0	0	1	1	489444	3154	352
	48	2				9444	3154	353
1.1108E+07	0.0000E+00	1.8000E+07	4.1400E-12	1.9000E+07	1.3600E-10	9444	3154	354
2.0000E+07	1.4500E-09	2.1000E+07	7.0900E-07	2.2000E+07	6.3700E-06	9444	3154	355
2.3000E+07	3.2800E-05	2.4000E+07	1.1300E-04	2.5000E+07	3.0500E-04	9444	3154	356
2.6000E+07	6.9800E-04	2.7000E+07	1.3600E-03	2.8000E+07	2.3400E-03	9444	3154	357
2.9000E+07	3.6600E-03	3.0000E+07	5.3700E-03	3.1000E+07	7.3600E-03	9444	3154	358
3.2000E+07	9.5700E-03	3.3000E+07	1.1800E-02	3.4000E+07	1.4200E-02	9444	3154	359
3.5000E+07	1.6600E-02	3.6000E+07	1.8900E-02	3.7000E+07	2.1900E-02	9444	3154	360
3.8000E+07	2.4700E-02	3.9000E+07	2.7200E-02	4.0000E+07	2.9400E-02	9444	3154	361
4.2000E+07	3.2300E-02	4.4000E+07	3.4600E-02	4.6000E+07	3.6000E-02	9444	3154	362
4.8000E+07	3.6000E-02	5.0000E+07	3.5000E-02	5.2000E+07	3.3300E-02	9444	3154	363
5.4000E+07	3.1800E-02	5.6000E+07	3.0500E-02	5.8000E+07	3.0100E-02	9444	3154	364
6.0000E+07	2.9600E-02	6.2000E+07	2.8900E-02	6.4000E+07	2.8300E-02	9444	3154	365
6.6000E+07	2.7900E-02	6.8000E+07	2.7600E-02	7.0000E+07	2.7300E-02	9444	3154	366
7.2000E+07	2.6900E-02	7.4000E+07	2.6500E-02	7.6000E+07	2.6300E-02	9444	3154	367
7.8000E+07	2.6100E-02	8.0000E+07	2.5800E-02	8.5000E+07	2.5300E-02	9444	3154	368
9.0000E+07	2.4700E-02	9.5000E+07	2.4300E-02	1.0000E+08	2.3600E-02	9444	3154	369
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	09444	3155	371
-1.6026E+07	-1.6026E+07	0	0	1	1	439444	3155	372
	43	2				9444	3155	373
1.6092E+07	0.0000E+00	2.3000E+07	3.6000E-12	2.4000E+07	2.7500E-10	9444	3155	374
2.5000E+07	2.4300E-09	2.6000E+07	2.1700E-07	2.7000E+07	2.4500E-06	9444	3155	375
2.8000E+07	1.3600E-05	2.9000E+07	5.1700E-05	3.0000E+07	1.5200E-04	9444	3155	376
3.1000E+07	3.6200E-04	3.2000E+07	7.2200E-04	3.3000E+07	1.2600E-03	9444	3155	377
3.4000E+07	2.0500E-03	3.5000E+07	3.0800E-03	3.6000E+07	4.3500E-03	9444	3155	378
3.7000E+07	5.7300E-03	3.8000E+07	7.2100E-03	3.9000E+07	8.7800E-03	9444	3155	379
4.0000E+07	1.0400E-02	4.2000E+07	1.3800E-02	4.4000E+07	1.6900E-02	9444	3155	380
4.6000E+07	1.9600E-02	4.8000E+07	2.2600E-02	5.0000E+07	2.5700E-02	9444	3155	381
5.2000E+07	2.8300E-02	5.4000E+07	3.0100E-02	5.6000E+07	3.1500E-02	9444	3155	382
5.8000E+07	3.2100E-02	6.0000E+07	3.2300E-02	6.2000E+07	3.1900E-02	9444	3155	383
6.4000E+07	3.1200E-02	6.6000E+07	2.9900E-02	6.8000E+07	2.8800E-02	9444	3155	384
7.0000E+07	2.7800E-02	7.2000E+07	2.6800E-02	7.4000E+07	2.6000E-02	9444	3155	385
7.6000E+07	2.5400E-02	7.8000E+07	2.4700E-02	8.0000E+07	2.4300E-02	9444	3155	386
8.5000E+07	2.3300E-02	9.0000E+07	2.2700E-02	9.5000E+07	2.1700E-02	9444	3155	387
1.0000E+08	2.1200E-02					9444	3155	388
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	09444	3156	390

-2.1998E+07	-2.1998E+07	0	0	1	379444	3156	391
37	2				9444	3156	392
2.2088E+07	0.0000E+00	2.9000E+07	6.5200E-13	3.0000E+07	6.7800E-119444	3156	393
3.1000E+07	8.5700E-10	3.2000E+07	1.4400E-08	3.3000E+07	1.8900E-079444	3156	394
3.4000E+07	1.3100E-06	3.5000E+07	6.3800E-06	3.6000E+07	2.4000E-059444	3156	395
3.7000E+07	7.1100E-05	3.8000E+07	1.7400E-04	3.9000E+07	3.5700E-049444	3156	396
4.0000E+07	6.4800E-04	4.2000E+07	1.5500E-03	4.4000E+07	2.8900E-039444	3156	397
4.6000E+07	4.5200E-03	4.8000E+07	6.2400E-03	5.0000E+07	7.8200E-039444	3156	398
5.2000E+07	9.2500E-03	5.4000E+07	1.0500E-02	5.6000E+07	1.1700E-029444	3156	399
5.8000E+07	1.2600E-02	6.0000E+07	1.3500E-02	6.2000E+07	1.4500E-029444	3156	400
6.4000E+07	1.5600E-02	6.6000E+07	1.6600E-02	6.8000E+07	1.7400E-029444	3156	401
7.0000E+07	1.7900E-02	7.2000E+07	1.8200E-02	7.4000E+07	1.8400E-029444	3156	402
7.6000E+07	1.8300E-02	7.8000E+07	1.7900E-02	8.0000E+07	1.7300E-029444	3156	403
8.5000E+07	1.5700E-02	9.0000E+07	1.4400E-02	9.5000E+07	1.3600E-029444	3156	404
1.0000E+08	1.2900E-02				9444	3156	405
					9444	3	0
9.4244E+04	2.4400E+02	0	0	0	09444	3157	407
-2.7166E+07	-2.7166E+07	0	0	1	329444	3157	408
32	2				9444	3157	409
2.7277E+07	0.0000E+00	3.4000E+07	3.0700E-14	3.5000E+07	8.5000E-129444	3157	410
3.6000E+07	1.8500E-10	3.7000E+07	1.7900E-09	3.8000E+07	2.2100E-089444	3157	411
3.9000E+07	1.8800E-07	4.0000E+07	1.0800E-06	4.2000E+07	1.4300E-059444	3157	412
4.4000E+07	7.8100E-05	4.6000E+07	2.9200E-04	4.8000E+07	7.7700E-049444	3157	413
5.0000E+07	1.5600E-03	5.2000E+07	2.5600E-03	5.4000E+07	3.6200E-039444	3157	414
5.6000E+07	4.7600E-03	5.8000E+07	5.6100E-03	6.0000E+07	6.3200E-039444	3157	415
6.2000E+07	7.0500E-03	6.4000E+07	7.7000E-03	6.6000E+07	8.2500E-039444	3157	416
6.8000E+07	8.8900E-03	7.0000E+07	9.4800E-03	7.2000E+07	9.9100E-039444	3157	417
7.4000E+07	1.0400E-02	7.6000E+07	1.0800E-02	7.8000E+07	1.1300E-029444	3157	418
8.0000E+07	1.1700E-02	8.5000E+07	1.2700E-02	9.0000E+07	1.2700E-029444	3157	419
9.5000E+07	1.1900E-02	1.0000E+08	1.1100E-02		9444	3157	420
					9444	3	0
9.4244E+04	2.4400E+02	0	0	0	09444	3158	422
-3.3384E+07	-3.3384E+07	0	0	1	259444	3158	423
25	2				9444	3158	424
3.3521E+07	0.0000E+00	4.2000E+07	3.0800E-12	4.4000E+07	4.4500E-109444	3158	425
4.6000E+07	2.2200E-08	4.8000E+07	3.9200E-07	5.0000E+07	3.9700E-069444	3158	426
5.2000E+07	2.1100E-05	5.4000E+07	6.7500E-05	5.6000E+07	1.7700E-049444	3158	427
5.8000E+07	3.4400E-04	6.0000E+07	5.3200E-04	6.2000E+07	7.5100E-049444	3158	428
6.4000E+07	9.5300E-04	6.6000E+07	1.1100E-03	6.8000E+07	1.2600E-039444	3158	429
7.0000E+07	1.3800E-03	7.2000E+07	1.4900E-03	7.4000E+07	1.5900E-039444	3158	430
7.6000E+07	1.6900E-03	7.8000E+07	1.7900E-03	8.0000E+07	1.9000E-039444	3158	431
8.5000E+07	2.1000E-03	9.0000E+07	2.2700E-03	9.5000E+07	2.4700E-039444	3158	432
1.0000E+08	2.6300E-03				9444	3158	433
					9444	3	0
9.4244E+04	2.4400E+02	0	0	0	09444	3159	435
-3.8872E+07	-3.8872E+07	0	0	1	229444	3159	436
22	2				9444	3159	437
3.9032E+07	0.0000E+00	4.8000E+07	9.4100E-13	5.0000E+07	1.5000E-109444	3159	438
5.2000E+07	6.6800E-09	5.4000E+07	1.0700E-07	5.6000E+07	1.2200E-069444	3159	439
5.8000E+07	6.8700E-06	6.0000E+07	2.1900E-05	6.2000E+07	5.7900E-059444	3159	440
6.4000E+07	1.1500E-04	6.6000E+07	1.7800E-04	6.8000E+07	2.7800E-049444	3159	441
7.0000E+07	3.9200E-04	7.2000E+07	5.2200E-04	7.4000E+07	6.3300E-049444	3159	442
7.6000E+07	7.2100E-04	7.8000E+07	7.9300E-04	8.0000E+07	8.5600E-049444	3159	443
8.5000E+07	9.5900E-04	9.0000E+07	1.0900E-03	9.5000E+07	1.2100E-039444	3159	444
1.0000E+08	1.3000E-03				9444	3159	445
					9444	3	0
9.4244E+04	2.4400E+02	0	0	0	09444	3160	447
-4.5501E+07	-4.5501E+07	0	0	1	189444	3160	448
18	2				9444	3160	449
4.5687E+07	0.0000E+00	5.6000E+07	1.6300E-12	5.8000E+07	1.4100E-109444	3160	450
6.0000E+07	2.6500E-09	6.2000E+07	3.5300E-08	6.4000E+07	2.5400E-079444	3160	451
6.6000E+07	8.6900E-07	6.8000E+07	3.2100E-06	7.0000E+07	9.3100E-069444	3160	452
7.2000E+07	2.2800E-05	7.4000E+07	4.4900E-05	7.6000E+07	7.4300E-059444	3160	453
7.8000E+07	1.0700E-04	8.0000E+07	1.4300E-04	8.5000E+07	2.1400E-049444	3160	454
9.0000E+07	2.6400E-04	9.5000E+07	2.9600E-04	1.0000E+08	3.3100E-049444	3160	455
					9444	3	0
9.4244E+04	2.4400E+02	0	0	0	09444	3161	457

-5.1186E+07	-5.1186E+07	0	0	1	159444	3161	458
15	2				9444	3161	459
5.1396E+07	0.0000E+00	6.2000E+07	1.5300E-13	6.4000E+07	9.2900E-12	9444	3161
6.6000E+07	1.7800E-10	6.8000E+07	2.1600E-09	7.0000E+07	1.6800E-08	9444	3161
7.2000E+07	1.1000E-07	7.4000E+07	5.0400E-07	7.6000E+07	1.7200E-06	9444	3161
7.8000E+07	4.2600E-06	8.0000E+07	9.3600E-06	8.5000E+07	2.9400E-05	9444	3161
9.0000E+07	5.9100E-05	9.5000E+07	8.1800E-05	1.0000E+08	9.8200E-05	9444	3161
					9444	3	0
9.4244E+04	2.4400E+02	0	0	0	09444	3162	466
-5.8169E+07	-5.8169E+07	0	0	1	129444	3162	467
12	2				9444	3162	468
5.8407E+07	0.0000E+00	6.8000E+07	5.1600E-17	7.0000E+07	2.5000E-14	9444	3162
7.2000E+07	9.2600E-13	7.4000E+07	2.2800E-11	7.6000E+07	2.7300E-10	9444	3162
7.8000E+07	2.0200E-09	8.0000E+07	1.2400E-08	8.5000E+07	2.6600E-07	9444	3162
9.0000E+07	1.9000E-06	9.5000E+07	6.1900E-06	1.0000E+08	1.2000E-05	9444	3162
					9444	3	0
9.4244E+04	2.4400E+02	0	0	0	09444	3174	474
-1.0953E+07	-1.0953E+07	0	0	1	369444	3174	475
36	2				9444	3174	476
1.0998E+07	0.0000E+00	3.0000E+07	1.8700E-12	3.1000E+07	6.7400E-09	9444	3174
3.2000E+07	4.5000E-08	3.3000E+07	1.9400E-07	3.4000E+07	6.8300E-07	9444	3174
3.5000E+07	1.4500E-06	3.6000E+07	3.2800E-06	3.7000E+07	6.2500E-06	9444	3174
3.8000E+07	1.1500E-05	3.9000E+07	1.9300E-05	4.0000E+07	3.5000E-05	9444	3174
4.2000E+07	1.4600E-04	4.4000E+07	3.7700E-04	4.6000E+07	7.6500E-04	9444	3174
4.8000E+07	1.2600E-03	5.0000E+07	1.8200E-03	5.2000E+07	2.4200E-03	9444	3174
5.4000E+07	2.9700E-03	5.6000E+07	3.4600E-03	5.8000E+07	3.8400E-03	9444	3174
6.0000E+07	4.2200E-03	6.2000E+07	4.3600E-03	6.4000E+07	4.6000E-03	9444	3174
6.6000E+07	4.7000E-03	6.8000E+07	4.7600E-03	7.0000E+07	4.8100E-03	9444	3174
7.2000E+07	4.9600E-03	7.4000E+07	4.9600E-03	7.6000E+07	5.0200E-03	9444	3174
7.8000E+07	5.0200E-03	8.0000E+07	5.0700E-03	8.5000E+07	5.0500E-03	9444	3174
9.0000E+07	5.0500E-03	9.5000E+07	5.0700E-03	1.0000E+08	4.9200E-03	9444	3174
					9444	3	0
9.4244E+04	2.4400E+02	0	0	0	09444	3175	490
9.3468E+06	9.3468E+06	0	0	1	599444	3175	491
59	2				9444	3175	492
1.0000E-05	0.0000E+00	7.0000E+06	1.2200E-08	8.0000E+06	9.8400E-08	9444	3175
9.0000E+06	4.6700E-07	1.0000E+07	1.8000E-06	1.1000E+07	6.0400E-06	9444	3175
1.2000E+07	1.8000E-05	1.3000E+07	4.8300E-05	1.4000E+07	1.1400E-04	9444	3175
1.5000E+07	2.3600E-04	1.6000E+07	4.2800E-04	1.7000E+07	6.8300E-04	9444	3175
1.8000E+07	9.6700E-04	1.9000E+07	1.2300E-03	2.0000E+07	1.4200E-03	9444	3175
2.1000E+07	1.5700E-03	2.2000E+07	1.6400E-03	2.3000E+07	1.6600E-03	9444	3175
2.4000E+07	1.6600E-03	2.5000E+07	1.6300E-03	2.6000E+07	1.5800E-03	9444	3175
2.7000E+07	1.5100E-03	2.8000E+07	1.4300E-03	2.9000E+07	1.3400E-03	9444	3175
3.0000E+07	1.2500E-03	3.1000E+07	1.1700E-03	3.2000E+07	1.0900E-03	9444	3175
3.3000E+07	1.0100E-03	3.4000E+07	9.3900E-04	3.5000E+07	8.7400E-04	9444	3175
3.6000E+07	8.1200E-04	3.7000E+07	7.5200E-04	3.8000E+07	7.4600E-04	9444	3175
3.9000E+07	6.8800E-04	4.0000E+07	6.3200E-04	4.2000E+07	5.5900E-04	9444	3175
4.4000E+07	4.6600E-04	4.6000E+07	3.9700E-04	4.8000E+07	3.4300E-04	9444	3175
5.0000E+07	3.0000E-04	5.2000E+07	2.7600E-04	5.4000E+07	2.9200E-04	9444	3175
5.6000E+07	3.8500E-04	5.8000E+07	5.9200E-04	6.0000E+07	9.0200E-04	9444	3175
6.2000E+07	1.3000E-03	6.4000E+07	1.7500E-03	6.6000E+07	2.1900E-03	9444	3175
6.8000E+07	2.6000E-03	7.0000E+07	2.8900E-03	7.2000E+07	3.1400E-03	9444	3175
7.4000E+07	3.3900E-03	7.6000E+07	3.5300E-03	7.8000E+07	3.6300E-03	9444	3175
8.0000E+07	3.6900E-03	8.5000E+07	3.7200E-03	9.0000E+07	3.7000E-03	9444	3175
9.5000E+07	3.6000E-03	1.0000E+08	3.7100E-03		9444	3175	512
					9444	3	0
9.4244E+04	2.4400E+02	0	0	0	09444	3176	514
4.6941E+06	4.6941E+06	0	0	1	549444	3176	515
54	2				9444	3176	516
1.0000E-05	0.0000E+00	1.2000E+07	2.2700E-07	1.3000E+07	1.0700E-06	9444	3176
1.4000E+07	3.9200E-06	1.5000E+07	1.2400E-05	1.6000E+07	3.9500E-05	9444	3176
1.7000E+07	1.0800E-04	1.8000E+07	2.5000E-04	1.9000E+07	5.4200E-04	9444	3176
2.0000E+07	9.6700E-04	2.1000E+07	1.4000E-03	2.2000E+07	2.0300E-03	9444	3176
2.3000E+07	2.7500E-03	2.4000E+07	3.4800E-03	2.5000E+07	4.1900E-03	9444	3176
2.6000E+07	4.7900E-03	2.7000E+07	5.2200E-03	2.8000E+07	5.5100E-03	9444	3176
2.9000E+07	5.6300E-03	3.0000E+07	5.6000E-03	3.1000E+07	5.5100E-03	9444	3176
3.2000E+07	5.3400E-03	3.3000E+07	5.1300E-03	3.4000E+07	4.8600E-03	9444	3176

3.5000E+07	4.5700E-03	3.6000E+07	4.2900E-03	3.7000E+07	4.0100E-03	9444	3176	525
3.8000E+07	3.8500E-03	3.9000E+07	3.5900E-03	4.0000E+07	3.3000E-03	9444	3176	526
4.2000E+07	2.6700E-03	4.4000E+07	2.2900E-03	4.6000E+07	1.9300E-03	9444	3176	527
4.8000E+07	1.6100E-03	5.0000E+07	1.3500E-03	5.2000E+07	1.1500E-03	9444	3176	528
5.4000E+07	9.8600E-04	5.6000E+07	8.3900E-04	5.8000E+07	6.9400E-04	9444	3176	529
6.0000E+07	5.9100E-04	6.2000E+07	5.1700E-04	6.4000E+07	4.9200E-04	9444	3176	530
6.6000E+07	5.3300E-04	6.8000E+07	6.7500E-04	7.0000E+07	8.9400E-04	9444	3176	531
7.2000E+07	1.1300E-03	7.4000E+07	1.5200E-03	7.6000E+07	1.9400E-03	9444	3176	532
7.8000E+07	2.4000E-03	8.0000E+07	2.8300E-03	8.5000E+07	3.8100E-03	9444	3176	533
9.0000E+07	4.3700E-03	9.5000E+07	4.5600E-03	1.0000E+08	4.6100E-03	9444	3176	534
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	9444	3177	536
-1.5771E+06	-1.5771E+06	0	0	1	1	489444	3177	537
	48	2				9444	3177	538
1.5836E+06	0.0000E+00	1.8000E+07	2.7500E-08	1.9000E+07	2.8200E-07	9444	3177	539
2.0000E+07	1.2100E-06	2.1000E+07	4.1600E-06	2.2000E+07	1.3100E-05	9444	3177	540
2.3000E+07	3.9100E-05	2.4000E+07	1.0400E-04	2.5000E+07	2.5100E-04	9444	3177	541
2.6000E+07	5.3900E-04	2.7000E+07	9.9300E-04	2.8000E+07	1.6000E-03	9444	3177	542
2.9000E+07	2.3100E-03	3.0000E+07	3.0900E-03	3.1000E+07	3.8500E-03	9444	3177	543
3.2000E+07	4.5300E-03	3.3000E+07	5.0500E-03	3.4000E+07	5.4000E-03	9444	3177	544
3.5000E+07	5.6000E-03	3.6000E+07	5.6600E-03	3.7000E+07	5.6000E-03	9444	3177	545
3.8000E+07	5.5500E-03	3.9000E+07	5.3700E-03	4.0000E+07	5.1100E-03	9444	3177	546
4.2000E+07	4.3900E-03	4.4000E+07	3.8500E-03	4.6000E+07	3.3300E-03	9444	3177	547
4.8000E+07	2.8600E-03	5.0000E+07	2.4500E-03	5.2000E+07	2.0900E-03	9444	3177	548
5.4000E+07	1.7400E-03	5.6000E+07	1.4600E-03	5.8000E+07	1.2100E-03	9444	3177	549
6.0000E+07	1.0400E-03	6.2000E+07	8.8400E-04	6.4000E+07	7.4600E-04	9444	3177	550
6.6000E+07	6.1900E-04	6.8000E+07	5.0400E-04	7.0000E+07	4.0100E-04	9444	3177	551
7.2000E+07	3.1300E-04	7.4000E+07	2.5100E-04	7.6000E+07	2.3200E-04	9444	3177	552
7.8000E+07	2.7300E-04	8.0000E+07	3.7900E-04	8.5000E+07	8.1400E-04	9444	3177	553
9.0000E+07	1.4700E-03	9.5000E+07	2.1400E-03	1.0000E+08	2.6000E-03	9444	3177	554
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	9444	3178	556
-6.3836E+06	-6.3836E+06	0	0	1	1	439444	3178	557
	43	2				9444	3178	558
6.4098E+06	0.0000E+00	2.3000E+07	1.0100E-08	2.4000E+07	1.4500E-07	9444	3178	559
2.5000E+07	7.8000E-07	2.6000E+07	2.9900E-06	2.7000E+07	9.1200E-06	9444	3178	560
2.8000E+07	2.6800E-05	2.9000E+07	7.1600E-05	3.0000E+07	1.7800E-04	9444	3178	561
3.1000E+07	3.7100E-04	3.2000E+07	7.1800E-04	3.3000E+07	1.2400E-03	9444	3178	562
3.4000E+07	1.9000E-03	3.5000E+07	2.6900E-03	3.6000E+07	3.5400E-03	9444	3178	563
3.7000E+07	4.4600E-03	3.8000E+07	5.1800E-03	3.9000E+07	5.9600E-03	9444	3178	564
4.0000E+07	6.5900E-03	4.2000E+07	6.9200E-03	4.4000E+07	7.0100E-03	9444	3178	565
4.6000E+07	6.6800E-03	4.8000E+07	6.1000E-03	5.0000E+07	5.4300E-03	9444	3178	566
5.2000E+07	4.7800E-03	5.4000E+07	4.1300E-03	5.6000E+07	3.5500E-03	9444	3178	567
5.8000E+07	3.0000E-03	6.0000E+07	2.5600E-03	6.2000E+07	2.1600E-03	9444	3178	568
6.4000E+07	1.8100E-03	6.6000E+07	1.5300E-03	6.8000E+07	1.2900E-03	9444	3178	569
7.0000E+07	1.1000E-03	7.2000E+07	9.1500E-04	7.4000E+07	7.5200E-04	9444	3178	570
7.6000E+07	6.0400E-04	7.8000E+07	4.7400E-04	8.0000E+07	3.5600E-04	9444	3178	571
8.5000E+07	1.9100E-04	9.0000E+07	3.3900E-04	9.5000E+07	7.6500E-04	9444	3178	572
1.0000E+08	1.3000E-03					9444	3178	573
						9444	3	0
9.4244E+04	2.4400E+02	0	0	0	0	9444	3179	575
-1.2537E+07	-1.2537E+07	0	0	1	1	379444	3179	576
	37	2				9444	3179	577
1.2588E+07	0.0000E+00	2.9000E+07	1.8700E-10	3.0000E+07	8.3500E-09	9444	3179	578
3.1000E+07	6.9500E-08	3.2000E+07	3.4700E-07	3.3000E+07	1.2600E-06	9444	3179	579
3.4000E+07	3.9800E-06	3.5000E+07	1.2000E-05	3.6000E+07	3.2400E-05	9444	3179	580
3.7000E+07	8.0100E-05	3.8000E+07	1.6100E-04	3.9000E+07	3.1900E-04	9444	3179	581
4.0000E+07	6.0200E-04	4.2000E+07	1.4800E-03	4.4000E+07	2.6700E-03	9444	3179	582
4.6000E+07	3.8800E-03	4.8000E+07	4.8100E-03	5.0000E+07	5.2700E-03	9444	3179	583
5.2000E+07	5.3200E-03	5.4000E+07	5.0600E-03	5.6000E+07	4.6300E-03	9444	3179	584
5.8000E+07	4.1000E-03	6.0000E+07	3.6400E-03	6.2000E+07	3.1700E-03	9444	3179	585
6.4000E+07	2.7200E-03	6.6000E+07	2.3100E-03	6.8000E+07	1.9400E-03	9444	3179	586
7.0000E+07	1.6300E-03	7.2000E+07	1.3800E-03	7.4000E+07	1.1700E-03	9444	3179	587
7.6000E+07	9.9000E-04	7.8000E+07	8.4400E-04	8.0000E+07	7.0600E-04	9444	3179	588
8.5000E+07	4.1300E-04	9.0000E+07	1.8200E-04	9.5000E+07	8.2700E-04	9444	3179	589
1.0000E+08	1.6100E-04					9444	3179	590
						9444	3	0
						9444	3	0
						9444	3	0

9.4244E+04	2.4400E+02	0	0	0	09444	3180	592	
-1.7662E+07	-1.7662E+07	0	0	1	329444	3180	593	
32	2				9444	3180	594	
1.7734E+07	0.0000E+00	3.4000E+07	2.6000E-12	3.5000E+07	4.2100E-10	9444	3180	595
3.6000E+07	7.9900E-09	3.7000E+07	5.4100E-08	3.8000E+07	2.2200E-07	9444	3180	596
3.9000E+07	7.4200E-07	4.0000E+07	2.3200E-06	4.2000E+07	1.4800E-05	9444	3180	597
4.4000E+07	8.2300E-05	4.6000E+07	3.0800E-04	4.8000E+07	7.9700E-04	9444	3180	598
5.0000E+07	1.5600E-03	5.2000E+07	2.4200E-03	5.4000E+07	3.2700E-03	9444	3180	599
5.6000E+07	3.9200E-03	5.8000E+07	4.2700E-03	6.0000E+07	4.3200E-03	9444	3180	600
6.2000E+07	4.1600E-03	6.4000E+07	3.8500E-03	6.6000E+07	3.4700E-03	9444	3180	601
6.8000E+07	3.0500E-03	7.0000E+07	2.6900E-03	7.2000E+07	2.3300E-03	9444	3180	602
7.4000E+07	2.0000E-03	7.6000E+07	1.5700E-03	7.8000E+07	1.3400E-03	9444	3180	603
8.0000E+07	1.1400E-03	8.5000E+07	7.6400E-04	9.0000E+07	4.7700E-04	9444	3180	604
9.5000E+07	2.5600E-04	1.0000E+08	1.0400E-04		9444	3180	605	
					9444	3	0	606
9.4244E+04	2.4400E+02	0	0	0	09444	3181	607	
-2.4208E+07	-2.4208E+07	0	0	1	259444	3181	608	
25	2				9444	3181	609	
2.4307E+07	0.0000E+00	4.2000E+07	4.9300E-11	4.4000E+07	6.9600E-09	9444	3181	610
4.6000E+07	1.3400E-07	4.8000E+07	1.2700E-06	5.0000E+07	9.3900E-06	9444	3181	611
5.2000E+07	4.4400E-05	5.4000E+07	1.6400E-04	5.6000E+07	4.2400E-04	9444	3181	612
5.8000E+07	8.7500E-04	6.0000E+07	1.3800E-03	6.2000E+07	1.9100E-03	9444	3181	613
6.4000E+07	2.3500E-03	6.6000E+07	2.5900E-03	6.8000E+07	2.6700E-03	9444	3181	614
7.0000E+07	2.6100E-03	7.2000E+07	2.4400E-03	7.4000E+07	2.2200E-03	9444	3181	615
7.6000E+07	2.0000E-03	7.8000E+07	1.7700E-03	8.0000E+07	1.5400E-03	9444	3181	616
8.5000E+07	1.0500E-03	9.0000E+07	6.9800E-04	9.5000E+07	4.6400E-04	9444	3181	617
1.0000E+08	2.8200E-04				9444	3181	618	
					9444	3	0	619
9.4244E+04	2.4400E+02	0	0	0	09444	3182	620	
-2.9506E+07	-2.9506E+07	0	0	1	239444	3182	621	
23	2				9444	3182	622	
2.9627E+07	0.0000E+00	4.6000E+07	5.5900E-15	4.8000E+07	1.7900E-11	9444	3182	623
5.0000E+07	1.7100E-09	5.2000E+07	2.9000E-08	5.4000E+07	3.1200E-07	9444	3182	624
5.6000E+07	2.2900E-06	5.8000E+07	1.3400E-05	6.0000E+07	4.8400E-05	9444	3182	625
6.2000E+07	1.3600E-04	6.4000E+07	3.0100E-04	6.6000E+07	5.5200E-04	9444	3182	626
6.8000E+07	8.4600E-04	7.0000E+07	1.1100E-03	7.2000E+07	1.3500E-03	9444	3182	627
7.4000E+07	1.5100E-03	7.6000E+07	1.5900E-03	7.8000E+07	1.5900E-03	9444	3182	628
8.0000E+07	1.5200E-03	8.5000E+07	1.2200E-03	9.0000E+07	8.8900E-04	9444	3182	629
9.5000E+07	6.1600E-04	1.0000E+08	4.1900E-04		9444	3182	630	
					9444	3	0	631
9.4244E+04	2.4400E+02	0	0	0	09444	3183	632	
-3.6350E+07	-3.6350E+07	0	0	1	199444	3183	633	
19	2				9444	3183	634	
3.6499E+07	0.0000E+00	5.4000E+07	6.6200E-15	5.6000E+07	1.0000E-11	9444	3183	635
5.8000E+07	5.1900E-10	6.0000E+07	7.8200E-09	6.2000E+07	7.6900E-08	9444	3183	636
6.4000E+07	5.3400E-07	6.6000E+07	2.7600E-06	6.8000E+07	1.1200E-05	9444	3183	637
7.0000E+07	3.1500E-05	7.2000E+07	7.4000E-05	7.4000E+07	1.4200E-04	9444	3183	638
7.6000E+07	2.3900E-04	7.8000E+07	3.3400E-04	8.0000E+07	4.2700E-04	9444	3183	639
8.5000E+07	5.6800E-04	9.0000E+07	5.5700E-04	9.5000E+07	4.5000E-04	9444	3183	640
1.0000E+08	3.3100E-04				9444	3183	641	
					9444	3	0	642
					9444	0	0	643
					0	0	0	644
					-1	0	0	0

Appendix

The results of preliminary evaluation for proton induced reactions for ^{238}U are presented below. The method to obtain the cross-sections is described in part 1 and Refs.[1,2]. The data were obtained in the energy region up to 100 MeV.

Preliminary version of proton data file for ^{238}U

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U-238      WIND                                0 0 0      0
9.2238E+04 2.3800E+02                        -1      0      99      19238 1451  1
0.0000E+00 0.0000E+00                        0      0      0      69238 1451  2
9.9862E-01 0.0000E+00                        0      0     10010  29238 1451  3
0.0000E+00 0.0000E+00                        0      0      59     339238 1451  4
92- U-238 INPE      EVAL-DEC94 YU.A.KOROVIN ET.AL.  9238 1451  5
                   DIST-JAN95                    9238 1451  6
----WIND           MATERIAL 9238                  9238 1451  7
-----INCIDENT-PROTON DATA                    9238 1451  8
-----ENDF-6 FORMAT                            9238 1451  9
AUTHORS OF EVALUATION: YU.A.KOROVIN, A.YU.KONOBAYEV, 9238 1451 10
                       P.E.PERESLAVTSEV, V.I.PLYASKIN 9238 1451 11
                       9238 1451 12
FILE OF ACTINIDE DATA LIBRARY WIND (PRELIMINARY DATA) 9238 1451 13
ENERGY OF PROJECTILE: 0-100 MEV                 9238 1451 14
REFERENCE: KERntechnik, 1994, V.59, P.87        9238 1451 15
                                                9238 1451 16
CONTENT OF FILE:                                9238 1451 17
                                                9238 1451 18
MF = 1 GENERAL INFORMATION                      9238 1451 19
                                                9238 1451 20
MT = 451 COMMENTS AND DICTIONARY              9238 1451 21
                                                9238 1451 22
MF = 3 PROTON CROSS-SECTIONS                  9238 1451 23
                                                9238 1451 24
MT=4,16,17,18,37,111 ARE STANDARD ENDF-6 SECTIONS, 9238 1451 25
OTHER MT NUMBERS ARE NEW ASSIGNED             9238 1451 26
IN FOLLOWING DESCRIPTION "(P,X)" MEANS SUM CROSS-SECTIONS OF 9238 1451 27
ALL REACTIONS RESULTED IN THE SAME RESIDUAL NUCLEUS WITHOUT 9238 1451 28
RADIOACTIVE DECAY TAKEN INTO ACCOUNT          9238 1451 29
                                                9238 1451 30
MT = 4 (P,N) CROSS-SECTION ( Np238 PRODUCTION ) 9238 1451 31
MT = 16 (P,2N) CROSS-SECTION ( Np237 PRODUCTION ) 9238 1451 32
MT = 17 (P,3N) CROSS-SECTION ( Np236 PRODUCTION ) 9238 1451 33
MT = 18 (P,F) FISSION CROSS-SECTION             9238 1451 34
MT = 37 (P,4N) CROSS-SECTION ( Np235 PRODUCTION ) 9238 1451 35
MT =111 (P,2P) CROSS-SECTION ( Pa237 PRODUCTION ) 9238 1451 36
MT =121 (P,5N) CROSS-SECTION ( Np234 PRODUCTION ) 9238 1451 37
MT =122 (P,6N) CROSS-SECTION ( Np233 PRODUCTION ) 9238 1451 38
MT =123 (P,7N) CROSS-SECTION ( Np232 PRODUCTION ) 9238 1451 39
MT =124 (P,8N) CROSS-SECTION ( Np231 PRODUCTION ) 9238 1451 40
MT =125 (P,9N) CROSS-SECTION ( Np230 PRODUCTION ) 9238 1451 41
MT =126 (P,10N) CROSS-SECTION ( Np229 PRODUCTION ) 9238 1451 42
MT =153 (P,NP)+(P,D) CROSS-SECTION ( U237 PRODUCTION ) 9238 1451 43
MT =154 (P,2NP)+(P,ND) CROSS-SECTION ( U236 PRODUCTION ) 9238 1451 44
MT =155 (P,3NP)+(P,2ND) CROSS-SECTION ( U235 PRODUCTION ) 9238 1451 45
MT =156 (P,4NP)+(P,3ND) CROSS-SECTION ( U234 PRODUCTION ) 9238 1451 46
MT =157 (P,5NP)+(P,4ND) CROSS-SECTION ( U233 PRODUCTION ) 9238 1451 47
MT =158 (P,6NP)+(P,5ND) CROSS-SECTION ( U232 PRODUCTION ) 9238 1451 48
MT =159 (P,7NP)+(P,6ND) CROSS-SECTION ( U231 PRODUCTION ) 9238 1451 49
MT =160 (P,8NP)+(P,7ND) CROSS-SECTION ( U230 PRODUCTION ) 9238 1451 50
MT =161 (P,9NP)+(P,8ND) CROSS-SECTION ( U229 PRODUCTION ) 9238 1451 51

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MT =162 (P,10NP)+(P,9ND)	CROSS-SECTION	(U228 PRODUCTION)	9238	1451	52
MT =174 (P,N2P)+(P,PD)	CROSS-SECTION	(Pa236 PRODUCTION)	9238	1451	53
MT =175 (P,2N2P)+(P,X)	CROSS-SECTION	(Pa235 PRODUCTION)	9238	1451	54
MT =176 (P,3N2P)+(P,X)	CROSS-SECTION	(Pa234 PRODUCTION)	9238	1451	55
MT =177 (P,4N2P)+(P,X)	CROSS-SECTION	(Pa233 PRODUCTION)	9238	1451	56
MT =178 (P,5N2P)+(P,X)	CROSS-SECTION	(Pa232 PRODUCTION)	9238	1451	57
MT =179 (P,6N2P)+(P,X)	CROSS-SECTION	(Pa231 PRODUCTION)	9238	1451	58
MT =180 (P,7N2P)+(P,X)	CROSS-SECTION	(Pa230 PRODUCTION)	9238	1451	59
MT =181 (P,8N2P)+(P,X)	CROSS-SECTION	(Pa229 PRODUCTION)	9238	1451	60
MT =182 (P,9N2P)+(P,X)	CROSS-SECTION	(Pa228 PRODUCTION)	9238	1451	61
MT =183 (P,10N2P)+(P,X)	CROSS-SECTION	(Pa227 PRODUCTION)	9238	1451	62
			9238	1451	63
	1	451	96	19238	1451 64
	3	4	25	19238	1451 65
	3	16	23	19238	1451 66
	3	17	21	19238	1451 67
	3	18	24	19238	1451 68
	3	37	19	19238	1451 69
	3	111	18	19238	1451 70
	3	121	16	19238	1451 71
	3	122	14	19238	1451 72
	3	123	12	19238	1451 73
	3	124	11	19238	1451 74
	3	125	9	19238	1451 75
	3	126	8	19238	1451 76
	3	153	22	19238	1451 77
	3	154	20	19238	1451 78
	3	155	18	19238	1451 79
	3	156	16	19238	1451 80
	3	157	14	19238	1451 81
	3	158	12	19238	1451 82
	3	159	10	19238	1451 83
	3	160	9	19238	1451 84
	3	161	8	19238	1451 85
	3	162	7	19238	1451 86
	3	174	17	19238	1451 87
	3	175	23	19238	1451 88
	3	176	21	19238	1451 89
	3	177	20	19238	1451 90
	3	178	17	19238	1451 91
	3	179	15	19238	1451 92
	3	180	13	19238	1451 93
	3	181	11	19238	1451 94
	3	182	10	19238	1451 95
	3	183	9	19238	1451 96
				9238	1 0 97
				9238	0 0 98
9.2238E+04 2.3800E+02	0	0	0	09238	3 4 99
-9.2807E+05-9.2807E+05	0	0	1	659238	3 4 100
65 2				9238	3 4 101
9.3197E+05 0.0000E+00 1.0000E+06 5.3800E-07 2.0000E+06 1.2170E-05	9238	3	4	102	
3.0000E+06 2.3803E-05 4.0000E+06 3.5435E-05 5.0000E+06 4.7068E-05	9238	3	4	103	
6.0000E+06 5.8700E-05 7.0000E+06 9.9300E-04 8.0000E+06 1.2715E-03	9238	3	4	104	
9.0000E+06 1.5500E-03 1.0000E+07 2.4700E-03 1.1000E+07 3.9800E-03	9238	3	4	105	
1.2000E+07 5.9400E-03 1.3000E+07 7.9900E-03 1.4000E+07 9.7700E-03	9238	3	4	106	
1.5000E+07 1.1100E-02 1.6000E+07 1.2000E-02 1.7000E+07 1.2500E-02	9238	3	4	107	
1.8000E+07 1.2800E-02 1.9000E+07 1.2900E-02 2.0000E+07 1.2900E-02	9238	3	4	108	
2.1000E+07 1.3300E-02 2.2000E+07 1.3300E-02 2.3000E+07 1.3300E-02	9238	3	4	109	
2.4000E+07 1.3400E-02 2.5000E+07 1.3400E-02 2.6000E+07 1.3500E-02	9238	3	4	110	
2.7000E+07 1.3600E-02 2.8000E+07 1.3800E-02 2.9000E+07 1.4000E-02	9238	3	4	111	
3.0000E+07 1.4200E-02 3.1000E+07 1.4500E-02 3.2000E+07 1.4700E-02	9238	3	4	112	
3.3000E+07 1.4900E-02 3.4000E+07 1.5100E-02 3.5000E+07 1.5300E-02	9238	3	4	113	
3.6000E+07 1.5600E-02 3.7000E+07 1.5900E-02 3.8000E+07 1.6200E-02	9238	3	4	114	
3.9000E+07 1.6400E-02 4.0000E+07 1.6433E-02 4.2000E+07 1.6500E-02	9238	3	4	115	
4.4000E+07 1.6900E-02 4.6000E+07 1.7300E-02 4.8000E+07 1.7600E-02	9238	3	4	116	
5.0000E+07 1.7800E-02 5.2000E+07 1.8000E-02 5.4000E+07 1.8200E-02	9238	3	4	117	
5.6000E+07 1.8300E-02 5.8000E+07 1.8400E-02 6.0000E+07 1.8400E-02	9238	3	4	118	

6.2000E+07	1.8400E-02	6.4000E+07	1.8500E-02	6.6000E+07	1.8400E-02	929238	3	4	119
6.8000E+07	1.8400E-02	7.0000E+07	1.8300E-02	7.2000E+07	1.8200E-02	929238	3	4	120
7.4000E+07	1.8100E-02	7.6000E+07	1.8000E-02	7.8000E+07	1.9600E-02	929238	3	4	121
8.0000E+07	1.9400E-02	8.5000E+07	1.9000E-02	9.0000E+07	1.8600E-02	929238	3	4	122
9.5000E+07	1.8100E-02	1.0000E+08	1.7700E-02			9238	3	4	123
						9238	3	0	124
9.2238E+04	2.3800E+02	0	0	0		09238	3	16	125
-6.4165E+06	-6.4165E+06	0	0	1		599238	3	16	126
59	2					9238	3	16	127
6.4434E+06	0.0000E+00	7.0000E+06	1.7200E-03	8.0000E+06	4.3100E-03	929238	3	16	128
9.0000E+06	6.9000E-03	1.0000E+07	1.9700E-02	1.1000E+07	4.4100E-02	929238	3	16	129
1.2000E+07	8.1000E-02	1.3000E+07	1.2800E-01	1.4000E+07	1.5600E-01	929238	3	16	130
1.5000E+07	1.4100E-01	1.6000E+07	1.0900E-01	1.7000E+07	8.1000E-02	929238	3	16	131
1.8000E+07	6.5500E-02	1.9000E+07	5.5500E-02	2.0000E+07	4.8800E-02	929238	3	16	132
2.1000E+07	4.4200E-02	2.2000E+07	4.0100E-02	2.3000E+07	3.7400E-02	929238	3	16	133
2.4000E+07	3.5200E-02	2.5000E+07	3.3700E-02	2.6000E+07	3.1900E-02	929238	3	16	134
2.7000E+07	3.0500E-02	2.8000E+07	2.9300E-02	2.9000E+07	2.8400E-02	929238	3	16	135
3.0000E+07	2.7500E-02	3.1000E+07	2.7000E-02	3.2000E+07	2.6400E-02	929238	3	16	136
3.3000E+07	2.5800E-02	3.4000E+07	2.5300E-02	3.5000E+07	2.5000E-02	929238	3	16	137
3.6000E+07	2.4700E-02	3.7000E+07	2.4700E-02	3.8000E+07	2.4700E-02	929238	3	16	138
3.9000E+07	2.4600E-02	4.0000E+07	2.4133E-02	4.2000E+07	2.3200E-02	929238	3	16	139
4.4000E+07	2.3000E-02	4.6000E+07	2.3000E-02	4.8000E+07	2.3000E-02	929238	3	16	140
5.0000E+07	2.2900E-02	5.2000E+07	2.2500E-02	5.4000E+07	2.2700E-02	929238	3	16	141
5.6000E+07	2.2700E-02	5.8000E+07	2.2500E-02	6.0000E+07	2.2300E-02	929238	3	16	142
6.2000E+07	2.2200E-02	6.4000E+07	2.2000E-02	6.6000E+07	2.1700E-02	929238	3	16	143
6.8000E+07	2.1400E-02	7.0000E+07	2.1100E-02	7.2000E+07	2.0900E-02	929238	3	16	144
7.4000E+07	2.0700E-02	7.6000E+07	2.0500E-02	7.8000E+07	2.0600E-02	929238	3	16	145
8.0000E+07	2.0300E-02	8.5000E+07	1.9300E-02	9.0000E+07	1.8400E-02	929238	3	16	146
9.5000E+07	1.7500E-02	1.0000E+08	1.6800E-02			9238	3	16	147
						9238	3	0	148
9.2238E+04	2.3800E+02	0	0	0		09238	3	17	149
-1.3045E+07	-1.3045E+07	0	0	1		529238	3	17	150
52	2					9238	3	17	151
1.3100E+07	0.0000E+00	1.4000E+07	3.5600E-03	1.5000E+07	2.6700E-02	929238	3	17	152
1.6000E+07	6.1700E-02	1.7000E+07	9.5500E-02	1.8000E+07	1.2300E-01	929238	3	17	153
1.9000E+07	1.4500E-01	2.0000E+07	1.6400E-01	2.1000E+07	1.6900E-01	929238	3	17	154
2.2000E+07	1.5400E-01	2.3000E+07	1.2900E-01	2.4000E+07	1.0200E-01	929238	3	17	155
2.5000E+07	8.0700E-02	2.6000E+07	6.4500E-02	2.7000E+07	5.2900E-02	929238	3	17	156
2.8000E+07	4.4700E-02	2.9000E+07	3.8700E-02	3.0000E+07	3.4000E-02	929238	3	17	157
3.1000E+07	3.0800E-02	3.2000E+07	2.7900E-02	3.3000E+07	2.5500E-02	929238	3	17	158
3.4000E+07	2.3400E-02	3.5000E+07	2.1700E-02	3.6000E+07	2.0300E-02	929238	3	17	159
3.7000E+07	1.9200E-02	3.8000E+07	1.8200E-02	3.9000E+07	1.7400E-02	929238	3	17	160
4.0000E+07	1.6833E-02	4.2000E+07	1.5700E-02	4.4000E+07	1.4700E-02	929238	3	17	161
4.6000E+07	1.4000E-02	4.8000E+07	1.3400E-02	5.0000E+07	1.2800E-02	929238	3	17	162
5.2000E+07	1.2400E-02	5.4000E+07	1.2100E-02	5.6000E+07	1.1800E-02	929238	3	17	163
5.8000E+07	1.1500E-02	6.0000E+07	1.1300E-02	6.2000E+07	1.1000E-02	929238	3	17	164
6.4000E+07	1.0800E-02	6.6000E+07	1.0600E-02	6.8000E+07	1.0400E-02	929238	3	17	165
7.0000E+07	1.0100E-02	7.2000E+07	9.9800E-03	7.4000E+07	9.8300E-03	929238	3	17	166
7.6000E+07	9.6900E-03	7.8000E+07	9.5700E-03	8.0000E+07	9.3900E-03	929238	3	17	167
8.5000E+07	8.9400E-03	9.0000E+07	8.5400E-03	9.5000E+07	8.1600E-03	929238	3	17	168
1.0000E+08	7.7900E-03					9238	3	17	169
						9238	3	0	170
9.2238E+04	2.3800E+02	0	0	0		09238	3	18	171
1.9400E+08	1.9400E+08	0	0	1		619238	3	18	172
61	2					9238	3	18	173
5.0000E+06	2.6593E-07	6.0000E+06	2.8537E-05	7.0000E+06	2.7912E-04	929238	3	18	174
8.0000E+06	2.2340E-03	9.0000E+06	1.1251E-02	1.0000E+07	3.4685E-02	929238	3	18	175
1.1000E+07	7.8291E-02	1.2000E+07	1.4276E-01	1.3000E+07	2.2472E-01	929238	3	18	176
1.4000E+07	3.3660E-01	1.5000E+07	4.7293E-01	1.6000E+07	6.0530E-01	929238	3	18	177
1.7000E+07	7.2360E-01	1.8000E+07	8.2505E-01	1.9000E+07	9.1516E-01	929238	3	18	178
2.0000E+07	9.9387E-01	2.0000E+07	9.9482E-01	2.1000E+07	1.0658E+00	929238	3	18	179
2.2000E+07	1.1402E+00	2.3000E+07	1.2175E+00	2.4000E+07	1.2934E+00	929238	3	18	180
2.5000E+07	1.3595E+00	2.6000E+07	1.4155E+00	2.7000E+07	1.4622E+00	929238	3	18	181
2.8000E+07	1.5036E+00	2.9000E+07	1.5445E+00	3.0000E+07	1.5858E+00	929238	3	18	182
3.1000E+07	1.6239E+00	3.2000E+07	1.6565E+00	3.3000E+07	1.6830E+00	929238	3	18	183
3.4000E+07	1.7044E+00	3.5000E+07	1.7242E+00	3.6000E+07	1.7445E+00	929238	3	18	184
3.7000E+07	1.7658E+00	3.8000E+07	1.7869E+00	3.9000E+07	1.8058E+00	929238	3	18	185

4.0000E+07	1.8207E+00	4.2000E+07	1.8471E+00	4.4000E+07	1.8627E+00	9238	3	18	186
4.6000E+07	1.8808E+00	4.8000E+07	1.8956E+00	5.0000E+07	1.9034E+00	9238	3	18	187
5.2000E+07	1.9125E+00	5.4000E+07	1.9238E+00	5.6000E+07	1.9286E+00	9238	3	18	188
5.8000E+07	1.9299E+00	6.0000E+07	1.9262E+00	6.2000E+07	1.9302E+00	9238	3	18	189
6.4000E+07	1.9347E+00	6.6000E+07	1.9345E+00	6.8000E+07	1.9320E+00	9238	3	18	190
7.0000E+07	1.9286E+00	7.2000E+07	1.9270E+00	7.4000E+07	1.9263E+00	9238	3	18	191
7.6000E+07	1.9249E+00	7.8000E+07	1.9282E+00	8.0000E+07	1.9241E+00	9238	3	18	192
8.5000E+07	1.9116E+00	9.0000E+07	1.9004E+00	9.5000E+07	1.8879E+00	9238	3	18	193
1.0000E+08	1.8732E+00					9238	3	18	194
						9238	3	0	195
9.2238E+04	2.3800E+02	0	0	0	0	09238	3	37	196
-1.8730E+07	-1.8730E+07	0	0	1	1	479238	3	37	197
47	2					9238	3	37	198
1.8809E+07	0.0000E+00	1.9000E+07	5.1100E-08	2.0000E+07	8.8000E-04	9238	3	37	199
2.1000E+07	8.1200E-03	2.2000E+07	2.4400E-02	2.3000E+07	4.1200E-02	9238	3	37	200
2.4000E+07	5.4600E-02	2.5000E+07	6.4200E-02	2.6000E+07	7.1500E-02	9238	3	37	201
2.7000E+07	7.6400E-02	2.8000E+07	7.9600E-02	2.9000E+07	7.9100E-02	9238	3	37	202
3.0000E+07	7.4200E-02	3.1000E+07	6.7000E-02	3.2000E+07	5.8400E-02	9238	3	37	203
3.3000E+07	4.9600E-02	3.4000E+07	4.1900E-02	3.5000E+07	3.5300E-02	9238	3	37	204
3.6000E+07	3.0100E-02	3.7000E+07	2.6000E-02	3.8000E+07	2.2800E-02	9238	3	37	205
3.9000E+07	2.0200E-02	4.0000E+07	1.8367E-02	4.2000E+07	1.4700E-02	9238	3	37	206
4.4000E+07	1.2400E-02	4.6000E+07	1.0800E-02	4.8000E+07	9.6400E-03	9238	3	37	207
5.0000E+07	8.5700E-03	5.2000E+07	7.8700E-03	5.4000E+07	7.3800E-03	9238	3	37	208
5.6000E+07	6.9100E-03	5.8000E+07	6.5500E-03	6.0000E+07	6.2500E-03	9238	3	37	209
6.2000E+07	6.0000E-03	6.4000E+07	5.8400E-03	6.6000E+07	5.3600E-03	9238	3	37	210
6.8000E+07	5.1100E-03	7.0000E+07	5.0000E-03	7.2000E+07	4.8800E-03	9238	3	37	211
7.4000E+07	4.7500E-03	7.6000E+07	4.5900E-03	7.8000E+07	4.5300E-03	9238	3	37	212
8.0000E+07	4.4000E-03	8.5000E+07	4.2000E-03	9.0000E+07	4.0300E-03	9238	3	37	213
9.5000E+07	3.7800E-03	1.0000E+08	3.5900E-03			9238	3	37	214
						9238	3	0	215
9.2238E+04	2.3800E+02	0	0	0	0	09238	3	11	216
-7.6222E+06	-7.6222E+06	0	0	1	1	459238	3	11	217
45	2					9238	3	11	218
7.6542E+06	0.0000E+00	2.1000E+07	7.7000E-09	2.2000E+07	1.5800E-07	9238	3	11	219
2.3000E+07	9.0700E-07	2.4000E+07	3.5900E-06	2.5000E+07	1.0700E-05	9238	3	11	220
2.6000E+07	2.5100E-05	2.7000E+07	5.2300E-05	2.8000E+07	9.6500E-05	9238	3	11	221
2.9000E+07	1.6200E-04	3.0000E+07	2.5200E-04	3.1000E+07	3.5900E-04	9238	3	11	222
3.2000E+07	5.0300E-04	3.3000E+07	6.7800E-04	3.4000E+07	8.8800E-04	9238	3	11	223
3.5000E+07	1.1400E-03	3.6000E+07	1.4300E-03	3.7000E+07	1.7300E-03	9238	3	11	224
3.8000E+07	2.1000E-03	3.9000E+07	2.5200E-03	4.0000E+07	2.9433E-03	9238	3	11	225
4.2000E+07	3.7900E-03	4.4000E+07	4.7200E-03	4.6000E+07	5.6500E-03	9238	3	11	226
4.8000E+07	6.4800E-03	5.0000E+07	7.1600E-03	5.2000E+07	7.8700E-03	9238	3	11	227
5.4000E+07	8.5400E-03	5.6000E+07	9.1200E-03	5.8000E+07	9.7000E-03	9238	3	11	228
6.0000E+07	1.0200E-02	6.2000E+07	1.0800E-02	6.4000E+07	1.1300E-02	9238	3	11	229
6.6000E+07	1.1800E-02	6.8000E+07	1.2300E-02	7.0000E+07	1.2800E-02	9238	3	11	230
7.2000E+07	1.3300E-02	7.4000E+07	1.3600E-02	7.6000E+07	1.4000E-02	9238	3	11	231
7.8000E+07	1.4400E-02	8.0000E+07	1.4700E-02	8.5000E+07	1.5400E-02	9238	3	11	232
9.0000E+07	1.6200E-02	9.5000E+07	1.6600E-02	1.0000E+08	1.7000E-02	9238	3	0	234
						09238	3	12	235
9.2238E+04	2.3800E+02	0	0	0	0	399238	3	12	236
-2.5713E+07	-2.5713E+07	0	0	1	1	9238	3	12	237
39	2					9238	3	12	238
2.5821E+07	0.0000E+00	2.7000E+07	1.9500E-06	2.8000E+07	8.8200E-05	9238	3	12	239
2.9000E+07	6.6800E-04	3.0000E+07	2.2200E-03	3.1000E+07	4.5000E-03	9238	3	12	240
3.2000E+07	7.3200E-03	3.3000E+07	1.0300E-02	3.4000E+07	1.3000E-02	9238	3	12	241
3.5000E+07	1.5200E-02	3.6000E+07	1.6800E-02	3.7000E+07	1.7600E-02	9238	3	12	242
3.8000E+07	1.7500E-02	3.9000E+07	1.6700E-02	4.0000E+07	1.5100E-02	9238	3	12	243
4.2000E+07	1.1900E-02	4.4000E+07	9.0700E-03	4.6000E+07	6.9600E-03	9238	3	12	244
4.8000E+07	5.4400E-03	5.0000E+07	4.3500E-03	5.2000E+07	3.6000E-03	9238	3	12	245
5.4000E+07	3.0800E-03	5.6000E+07	2.6800E-03	5.8000E+07	2.3600E-03	9238	3	12	246
6.0000E+07	2.1000E-03	6.2000E+07	1.9100E-03	6.4000E+07	1.7600E-03	9238	3	12	247
6.6000E+07	1.6300E-03	6.8000E+07	1.5300E-03	7.0000E+07	1.4000E-03	9238	3	12	248
7.2000E+07	1.3300E-03	7.4000E+07	1.2700E-03	7.6000E+07	1.2200E-03	9238	3	12	249
7.8000E+07	1.1800E-03	8.0000E+07	1.1200E-03	8.5000E+07	1.0400E-03	9238	3	12	250
9.0000E+07	9.6900E-04	9.5000E+07	9.0800E-04	1.0000E+08	8.5400E-04	9238	3	0	251
						09238	3	12	252
9.2238E+04	2.3800E+02	0	0	0	0	09238	3	12	252

-3.1844E+07	-3.1844E+07	0	0	1	339238	3122	253
33	2				9238	3122	254
3.1978E+07	0.0000E+00	3.3000E+07	1.4100E-09	3.4000E+07	4.7700E-07	9238	3122
3.5000E+07	8.7800E-06	3.6000E+07	5.3600E-05	3.7000E+07	1.8400E-04	9238	3122
3.8000E+07	4.2500E-04	3.9000E+07	7.7500E-04	4.0000E+07	1.2067E-03	9238	3122
4.2000E+07	2.0700E-03	4.4000E+07	2.7700E-03	4.6000E+07	3.0500E-03	9238	3122
4.8000E+07	2.9000E-03	5.0000E+07	2.5000E-03	5.2000E+07	2.0400E-03	9238	3122
5.4000E+07	1.6600E-03	5.6000E+07	1.3600E-03	5.8000E+07	1.1000E-03	9238	3122
6.0000E+07	9.1000E-04	6.2000E+07	7.7000E-04	6.4000E+07	6.6200E-04	9238	3122
6.6000E+07	5.7700E-04	6.8000E+07	5.1300E-04	7.0000E+07	4.6300E-04	9238	3122
7.2000E+07	4.2300E-04	7.4000E+07	3.9000E-04	7.6000E+07	3.5900E-04	9238	3122
7.8000E+07	3.4000E-04	8.0000E+07	3.1800E-04	8.5000E+07	2.7700E-04	9238	3122
9.0000E+07	2.4800E-04	9.5000E+07	2.2700E-04	1.0000E+08	2.1000E-04	9238	3 0
9.2238E+04	2.3800E+02	0	0	0	09238	3123	267
-3.9196E+07	-3.9196E+07	0	0	1	259238	3123	268
25	2				9238	3123	269
3.9360E+07	0.0000E+00	4.2000E+07	6.8300E-08	4.4000E+07	3.3500E-06	9238	3123
4.6000E+07	2.6600E-05	4.8000E+07	9.6400E-05	5.0000E+07	2.1100E-04	9238	3123
5.2000E+07	3.3500E-04	5.4000E+07	4.2600E-04	5.6000E+07	4.6800E-04	9238	3123
5.8000E+07	4.6700E-04	6.0000E+07	4.2900E-04	6.2000E+07	3.7600E-04	9238	3123
6.4000E+07	3.1900E-04	6.6000E+07	2.6800E-04	6.8000E+07	2.2600E-04	9238	3123
7.0000E+07	1.9200E-04	7.2000E+07	1.6500E-04	7.4000E+07	1.4400E-04	9238	3123
7.6000E+07	1.2200E-04	7.8000E+07	1.1100E-04	8.0000E+07	9.8600E-05	9238	3123
8.5000E+07	7.7800E-05	9.0000E+07	6.4700E-05	9.5000E+07	5.5600E-05	9238	3123
1.0000E+08	4.9100E-05				9238	3 0	278
9.2238E+04	2.3800E+02	0	0	0	09238	3124	280
-4.5603E+07	-4.5603E+07	0	0	1	229238	3124	281
22	2				9238	3124	282
4.5795E+07	0.0000E+00	4.8000E+07	2.2300E-11	5.0000E+07	3.7500E-09	9238	3124
5.2000E+07	8.1200E-08	5.4000E+07	5.2900E-07	5.6000E+07	1.6600E-06	9238	3124
5.8000E+07	3.6200E-06	6.0000E+07	6.1000E-06	6.2000E+07	8.2600E-06	9238	3124
6.4000E+07	9.7300E-06	6.6000E+07	1.0200E-05	6.8000E+07	9.9500E-06	9238	3124
7.0000E+07	9.2000E-06	7.2000E+07	8.2300E-06	7.4000E+07	7.2600E-06	9238	3124
7.6000E+07	6.3000E-06	7.8000E+07	5.6600E-06	8.0000E+07	4.8800E-06	9238	3124
8.5000E+07	3.5200E-06	9.0000E+07	2.7100E-06	9.5000E+07	2.2100E-06	9238	3124
1.0000E+08	1.7600E-06				9238	3124	290
9.2238E+04	2.3800E+02	0	0	0	09238	3125	292
-5.3281E+07	-5.3281E+07	0	0	1	189238	3125	293
18	2				9238	3125	294
5.3505E+07	0.0000E+00	5.6000E+07	9.5700E-15	5.8000E+07	2.2100E-12	9238	3125
6.0000E+07	8.5400E-11	6.2000E+07	9.4100E-10	6.4000E+07	4.5200E-09	9238	3125
6.6000E+07	1.2400E-08	6.8000E+07	2.4700E-08	7.0000E+07	3.9700E-08	9238	3125
7.2000E+07	5.3700E-08	7.4000E+07	6.4900E-08	7.6000E+07	7.2200E-08	9238	3125
7.8000E+07	7.3800E-08	8.0000E+07	7.2700E-08	8.5000E+07	5.9900E-08	9238	3125
9.0000E+07	4.5200E-08	9.5000E+07	3.4400E-08	1.0000E+08	2.6700E-08	9238	3 0
9.2238E+04	2.3800E+02	0	0	0	09238	3126	302
-5.9879E+07	-5.9879E+07	0	0	1	159238	3126	303
15	2				9238	3126	304
6.0130E+07	0.0000E+00	6.2000E+07	3.0400E-19	6.4000E+07	4.7300E-16	9238	3126
6.6000E+07	2.8700E-14	6.8000E+07	4.4700E-13	7.0000E+07	3.1100E-12	9238	3126
7.2000E+07	1.1800E-11	7.4000E+07	3.2600E-11	7.6000E+07	7.1600E-11	9238	3126
7.8000E+07	1.1100E-10	8.0000E+07	1.6700E-10	8.5000E+07	2.8400E-10	9238	3126
9.0000E+07	3.0200E-10	9.5000E+07	2.6400E-10	1.0000E+08	2.1100E-10	9238	3 0
9.2238E+04	2.3800E+02	0	0	0	09238	3153	311
-3.9287E+06	-3.9287E+06	0	0	1	559238	3153	312
55	2				9238	3153	313
3.9452E+06	0.0000E+00	1.1000E+07	5.8200E-15	1.2000E+07	1.9900E-13	9238	3153
1.3000E+07	1.8500E-06	1.4000E+07	9.4300E-06	1.5000E+07	2.7600E-05	9238	3153
1.6000E+07	8.6700E-05	1.7000E+07	2.8600E-04	1.8000E+07	7.2000E-04	9238	3153
1.9000E+07	1.5100E-03	2.0000E+07	2.7600E-03	2.1000E+07	4.6300E-03	9238	3153
2.2000E+07	6.8000E-03	2.3000E+07	9.3700E-03	2.4000E+07	1.1900E-02	9238	3153
2.5000E+07	1.4700E-02	2.6000E+07	1.7400E-02	2.7000E+07	1.9900E-02	9238	3153

2.8000E+07	2.2100E-02	2.9000E+07	2.3900E-02	3.0000E+07	2.5600E-02	9238	3153	320
3.1000E+07	2.7000E-02	3.2000E+07	2.8300E-02	3.3000E+07	2.9300E-02	9238	3153	321
3.4000E+07	3.0100E-02	3.5000E+07	3.1000E-02	3.6000E+07	3.1900E-02	9238	3153	322
3.7000E+07	3.2700E-02	3.8000E+07	3.3700E-02	3.9000E+07	3.4600E-02	9238	3153	323
4.0000E+07	3.4500E-02	4.2000E+07	3.4300E-02	4.4000E+07	3.5500E-02	9238	3153	324
4.6000E+07	3.6900E-02	4.8000E+07	3.8600E-02	5.0000E+07	3.9400E-02	9238	3153	325
5.2000E+07	4.0100E-02	5.4000E+07	4.0300E-02	5.6000E+07	4.1300E-02	9238	3153	326
5.8000E+07	4.1800E-02	6.0000E+07	4.3300E-02	6.2000E+07	4.3800E-02	9238	3153	327
6.4000E+07	4.4200E-02	6.6000E+07	4.4600E-02	6.8000E+07	4.5200E-02	9238	3153	328
7.0000E+07	4.5300E-02	7.2000E+07	4.5600E-02	7.4000E+07	4.5800E-02	9238	3153	329
7.6000E+07	4.6000E-02	7.8000E+07	4.6200E-02	8.0000E+07	4.6400E-02	9238	3153	330
8.5000E+07	4.5900E-02	9.0000E+07	4.5900E-02	9.5000E+07	4.5900E-02	9238	3153	331
1.0000E+08	4.5200E-02					9238	3153	332
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0	0	9238	3154	334
-9.0537E+06	-9.0537E+06	0	0	1	1	509238	3154	335
	50	2				9238	3154	336
9.0918E+06	0.0000E+00	1.6000E+07	1.2400E-11	1.7000E+07	1.7100E-10	9238	3154	337
1.8000E+07	7.9800E-10	1.9000E+07	1.1600E-06	2.0000E+07	1.1200E-05	9238	3154	338
2.1000E+07	6.3200E-05	2.2000E+07	1.9600E-04	2.3000E+07	5.5100E-04	9238	3154	339
2.4000E+07	1.0900E-03	2.5000E+07	2.1400E-03	2.6000E+07	3.7500E-03	9238	3154	340
2.7000E+07	5.8800E-03	2.8000E+07	8.6400E-03	2.9000E+07	1.1800E-02	9238	3154	341
3.0000E+07	1.5300E-02	3.1000E+07	1.8600E-02	3.2000E+07	2.2100E-02	9238	3154	342
3.3000E+07	2.5400E-02	3.4000E+07	2.8300E-02	3.5000E+07	3.1100E-02	9238	3154	343
3.6000E+07	3.3500E-02	3.7000E+07	3.5500E-02	3.8000E+07	3.7600E-02	9238	3154	344
3.9000E+07	3.9100E-02	4.0000E+07	3.9567E-02	4.2000E+07	4.0500E-02	9238	3154	345
4.4000E+07	4.1700E-02	4.6000E+07	4.2600E-02	4.8000E+07	4.2800E-02	9238	3154	346
5.0000E+07	4.2600E-02	5.2000E+07	4.2600E-02	5.4000E+07	4.0400E-02	9238	3154	347
5.6000E+07	4.0500E-02	5.8000E+07	4.0500E-02	6.0000E+07	4.0800E-02	9238	3154	348
6.2000E+07	4.0800E-02	6.4000E+07	4.0800E-02	6.6000E+07	4.0500E-02	9238	3154	349
6.8000E+07	4.0400E-02	7.0000E+07	4.0700E-02	7.2000E+07	4.0800E-02	9238	3154	350
7.4000E+07	4.1000E-02	7.6000E+07	4.1000E-02	7.8000E+07	4.0900E-02	9238	3154	351
8.0000E+07	4.0700E-02	8.5000E+07	4.1500E-02	9.0000E+07	4.1300E-02	9238	3154	352
9.5000E+07	4.0600E-02	1.0000E+08	4.0600E-02			9238	3154	353
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0	0	9238	3155	355
-1.5600E+07	-1.5600E+07	0	0	1	1	439238	3155	356
	43	2				9238	3155	357
1.5665E+07	0.0000E+00	2.3000E+07	6.1600E-11	2.4000E+07	9.7900E-10	9238	3155	358
2.5000E+07	7.2600E-09	2.6000E+07	3.9200E-07	2.7000E+07	3.9400E-06	9238	3155	359
2.8000E+07	2.1700E-05	2.9000E+07	8.2300E-05	3.0000E+07	2.5400E-04	9238	3155	360
3.1000E+07	6.0000E-04	3.2000E+07	1.2300E-03	3.3000E+07	2.2400E-03	9238	3155	361
3.4000E+07	3.6800E-03	3.5000E+07	5.4900E-03	3.6000E+07	7.7300E-03	9238	3155	362
3.7000E+07	1.0200E-02	3.8000E+07	1.2700E-02	3.9000E+07	1.5100E-02	9238	3155	363
4.0000E+07	1.7367E-02	4.2000E+07	2.1900E-02	4.4000E+07	2.4700E-02	9238	3155	364
4.6000E+07	2.7000E-02	4.8000E+07	2.8600E-02	5.0000E+07	2.9900E-02	9238	3155	365
5.2000E+07	3.0800E-02	5.4000E+07	3.2100E-02	5.6000E+07	3.2500E-02	9238	3155	366
5.8000E+07	3.2300E-02	6.0000E+07	3.2300E-02	6.2000E+07	3.1900E-02	9238	3155	367
6.4000E+07	3.1300E-02	6.6000E+07	3.0400E-02	6.8000E+07	2.9600E-02	9238	3155	368
7.0000E+07	2.8900E-02	7.2000E+07	2.8500E-02	7.4000E+07	2.7900E-02	9238	3155	369
7.6000E+07	2.7500E-02	7.8000E+07	2.7000E-02	8.0000E+07	2.6700E-02	9238	3155	370
8.5000E+07	2.6000E-02	9.0000E+07	2.5300E-02	9.5000E+07	2.4700E-02	9238	3155	371
1.0000E+08	2.4200E-02					9238	3155	372
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0	0	9238	3156	374
-2.0898E+07	-2.0898E+07	0	0	1	1	389238	3156	375
	38	2				9238	3156	376
2.0986E+07	0.0000E+00	2.8000E+07	5.1800E-13	2.9000E+07	1.4000E-10	9238	3156	377
3.0000E+07	1.7300E-09	3.1000E+07	1.3500E-08	3.2000E+07	2.1700E-07	9238	3156	378
3.3000E+07	1.8600E-06	3.4000E+07	1.0200E-05	3.5000E+07	3.7400E-05	9238	3156	379
3.6000E+07	1.1600E-04	3.7000E+07	2.9200E-04	3.8000E+07	6.1200E-04	9238	3156	380
3.9000E+07	1.1300E-03	4.0000E+07	2.1300E-03	4.2000E+07	4.1300E-03	9238	3156	381
4.4000E+07	7.1500E-03	4.6000E+07	1.0200E-02	4.8000E+07	1.3100E-02	9238	3156	382
5.0000E+07	1.5400E-02	5.2000E+07	1.7200E-02	5.4000E+07	1.8500E-02	9238	3156	383
5.6000E+07	1.9400E-02	5.8000E+07	2.0000E-02	6.0000E+07	2.0700E-02	9238	3156	384
6.2000E+07	2.1100E-02	6.4000E+07	2.1600E-02	6.6000E+07	2.1900E-02	9238	3156	385
6.8000E+07	2.2100E-02	7.0000E+07	2.2200E-02	7.2000E+07	2.2200E-02	9238	3156	386

7.4000E+07	2.2200E-02	7.6000E+07	2.2000E-02	7.8000E+07	2.1700E-02	9238	3156	387
8.0000E+07	2.1200E-02	8.5000E+07	2.0100E-02	9.0000E+07	1.8900E-02	9238	3156	388
9.5000E+07	1.7000E-02	1.0000E+08	1.6300E-02			9238	3156	389
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3157	391
-2.7742E+07	-2.7742E+07	0	0	1		319238	3157	392
31	2					9238	3157	393
2.7858E+07	0.0000E+00	3.5000E+07	2.9400E-14	3.6000E+07	9.3600E-12	9238	3157	394
3.7000E+07	2.0400E-10	3.8000E+07	1.6800E-09	3.9000E+07	1.5300E-08	9238	3157	395
4.0000E+07	1.7669E-06	4.2000E+07	5.2700E-06	4.4000E+07	4.5700E-05	9238	3157	396
4.6000E+07	1.9900E-04	4.8000E+07	6.2900E-04	5.0000E+07	1.4200E-03	9238	3157	397
5.2000E+07	2.4900E-03	5.4000E+07	3.6900E-03	5.6000E+07	4.7000E-03	9238	3157	398
5.8000E+07	5.5600E-03	6.0000E+07	6.0500E-03	6.2000E+07	6.5200E-03	9238	3157	399
6.4000E+07	6.8500E-03	6.6000E+07	7.0900E-03	6.8000E+07	7.3000E-03	9238	3157	400
7.0000E+07	7.4500E-03	7.2000E+07	7.5600E-03	7.4000E+07	7.6200E-03	9238	3157	401
7.6000E+07	7.6400E-03	7.8000E+07	7.6500E-03	8.0000E+07	7.7400E-03	9238	3157	402
8.5000E+07	7.8700E-03	9.0000E+07	7.9100E-03	9.5000E+07	7.8300E-03	9238	3157	403
1.0000E+08	7.3600E-03					9238	3157	404
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3158	406
-3.3495E+07	-3.3495E+07	0	0	1		259238	3158	407
25	2					9238	3158	408
3.3636E+07	0.0000E+00	4.2000E+07	1.3800E-12	4.4000E+07	3.0800E-10	9238	3158	409
4.6000E+07	1.5700E-08	4.8000E+07	4.9200E-07	5.0000E+07	5.3600E-06	9238	3158	410
5.2000E+07	3.1400E-05	5.4000E+07	1.1700E-04	5.6000E+07	2.8900E-04	9238	3158	411
5.8000E+07	5.8400E-04	6.0000E+07	8.5300E-04	6.2000E+07	1.2500E-03	9238	3158	412
6.4000E+07	1.6600E-03	6.6000E+07	2.0100E-03	6.8000E+07	2.2700E-03	9238	3158	413
7.0000E+07	2.3600E-03	7.2000E+07	2.4700E-03	7.4000E+07	2.5400E-03	9238	3158	414
7.6000E+07	2.6000E-03	7.8000E+07	2.6600E-03	8.0000E+07	2.7100E-03	9238	3158	415
8.5000E+07	2.7700E-03	9.0000E+07	2.7900E-03	9.5000E+07	2.8300E-03	9238	3158	416
1.0000E+08	2.8500E-03					9238	3158	417
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3159	419
-4.0750E+07	-4.0750E+07	0	0	1		219238	3159	420
21	2					9238	3159	421
4.0921E+07	0.0000E+00	5.0000E+07	2.8500E-13	5.2000E+07	4.7600E-11	9238	3159	422
5.4000E+07	2.4400E-09	5.6000E+07	5.0700E-08	5.8000E+07	6.2200E-07	9238	3159	423
6.0000E+07	2.4100E-06	6.2000E+07	1.0400E-05	6.4000E+07	3.3000E-05	9238	3159	424
6.6000E+07	7.9100E-05	6.8000E+07	1.5400E-04	7.0000E+07	2.6400E-04	9238	3159	425
7.2000E+07	3.6700E-04	7.4000E+07	4.7800E-04	7.6000E+07	5.7600E-04	9238	3159	426
7.8000E+07	6.5100E-04	8.0000E+07	7.0900E-04	8.5000E+07	7.5900E-04	9238	3159	427
9.0000E+07	7.8000E-04	9.5000E+07	8.0400E-04	1.0000E+08	8.2300E-04	9238	3159	428
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3160	430
-4.6649E+07	-4.6649E+07	0	0	1		189238	3160	431
18	2					9238	3160	432
4.6845E+07	0.0000E+00	5.6000E+07	5.2400E-15	5.8000E+07	1.2100E-12	9238	3160	433
6.0000E+07	4.4100E-11	6.2000E+07	8.0800E-10	6.4000E+07	1.0800E-08	9238	3160	434
6.6000E+07	9.5000E-08	6.8000E+07	5.4900E-07	7.0000E+07	2.0900E-06	9238	3160	435
7.2000E+07	5.2700E-06	7.4000E+07	1.1800E-05	7.6000E+07	2.2000E-05	9238	3160	436
7.8000E+07	3.4900E-05	8.0000E+07	5.0200E-05	8.5000E+07	8.4200E-05	9238	3160	437
9.0000E+07	1.0400E-04	9.5000E+07	1.1000E-04	1.0000E+08	1.1200E-04	9238	3160	438
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3161	440
-5.4315E+07	-5.4315E+07	0	0	1		149238	3161	441
14	2					9238	3161	442
5.4543E+07	0.0000E+00	6.4000E+07	2.6200E-17	6.6000E+07	9.3000E-15	9238	3161	443
6.8000E+07	5.1600E-13	7.0000E+07	1.1900E-11	7.2000E+07	1.3000E-10	9238	3161	444
7.4000E+07	1.1300E-09	7.6000E+07	6.9100E-09	7.8000E+07	2.9500E-08	9238	3161	445
8.0000E+07	9.8200E-08	8.5000E+07	7.3500E-07	9.0000E+07	2.2700E-06	9238	3161	446
9.5000E+07	3.9700E-06	1.0000E+08	5.1200E-06			9238	3161	447
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3162	449
-6.0406E+07	-6.0406E+07	0	0	1		119238	3162	450
11	2					9238	3162	451
6.0660E+07	0.0000E+00	7.0000E+07	1.5100E-20	7.2000E+07	1.5000E-17	9238	3162	452
7.4000E+07	1.2400E-15	7.6000E+07	3.1100E-14	7.8000E+07	4.0900E-13	9238	3162	453

8.0000E+07	4.6100E-12	8.5000E+07	3.8000E-10	9.0000E+07	5.5900E-09	9238	3162	454
9.5000E+07	2.7100E-08	1.0000E+08	6.5400E-08			9238	3162	455
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3174	457
-1.1369E+07	-1.1369E+07	0	0	1		419238	3174	458
	41	2				9238	3174	459
1.1417E+07	0.0000E+00	2.5000E+07	2.6100E-19	2.6000E+07	1.3000E-17	9238	3174	460
2.7000E+07	1.6700E-16	2.8000E+07	5.5300E-14	2.9000E+07	7.3900E-13	9238	3174	461
3.0000E+07	4.6300E-12	3.1000E+07	2.0200E-11	3.2000E+07	7.0800E-11	9238	3174	462
3.3000E+07	2.0100E-10	3.4000E+07	1.2500E-09	3.5000E+07	7.9600E-09	9238	3174	463
3.6000E+07	3.2500E-08	3.7000E+07	1.2300E-07	3.8000E+07	4.1000E-07	9238	3174	464
3.9000E+07	1.4000E-06	4.0000E+07	1.8067E-05	4.2000E+07	5.1400E-05	9238	3174	465
4.4000E+07	2.1900E-04	4.6000E+07	6.0300E-04	4.8000E+07	1.2700E-03	9238	3174	466
5.0000E+07	2.1000E-03	5.2000E+07	3.1000E-03	5.4000E+07	4.0800E-03	9238	3174	467
5.6000E+07	5.0200E-03	5.8000E+07	5.8600E-03	6.0000E+07	6.5000E-03	9238	3174	468
6.2000E+07	7.0000E-03	6.4000E+07	7.4300E-03	6.6000E+07	7.7600E-03	9238	3174	469
6.8000E+07	8.0700E-03	7.0000E+07	8.2500E-03	7.2000E+07	8.4800E-03	9238	3174	470
7.4000E+07	8.7700E-03	7.6000E+07	8.9500E-03	7.8000E+07	9.1400E-03	9238	3174	471
8.0000E+07	9.3400E-03	8.5000E+07	9.8600E-03	9.0000E+07	1.0200E-02	9238	3174	472
9.5000E+07	1.0600E-02	1.0000E+08	1.0900E-02			9238	3174	473
						9238	3	0
9.2238E+04	2.3800E+02	0	0	0		09238	3175	475
9.8513E+06	9.8513E+06	0	0	1		609238	3175	476
	60	2				9238	3175	477
1.0000E-05	0.0000E+00	6.0000E+06	1.4400E-13	7.0000E+06	5.3000E-10	9238	3175	478
8.0000E+06	4.5250E-09	9.0000E+06	8.5200E-09	1.0000E+07	8.5900E-08	9238	3175	479
1.1000E+07	5.9800E-07	1.2000E+07	3.0600E-06	1.3000E+07	1.2000E-05	9238	3175	480
1.4000E+07	3.7100E-05	1.5000E+07	9.2100E-05	1.6000E+07	1.9000E-04	9238	3175	481
1.7000E+07	3.3900E-04	1.8000E+07	5.3400E-04	1.9000E+07	7.5300E-04	9238	3175	482
2.0000E+07	9.6400E-04	2.1000E+07	1.1600E-03	2.2000E+07	1.3100E-03	9238	3175	483
2.3000E+07	1.4100E-03	2.4000E+07	1.4800E-03	2.5000E+07	1.5100E-03	9238	3175	484
2.6000E+07	1.5200E-03	2.7000E+07	1.5000E-03	2.8000E+07	1.4700E-03	9238	3175	485
2.9000E+07	1.4200E-03	3.0000E+07	1.3700E-03	3.1000E+07	1.3000E-03	9238	3175	486
3.2000E+07	1.2400E-03	3.3000E+07	1.1700E-03	3.4000E+07	1.1000E-03	9238	3175	487
3.5000E+07	1.0400E-03	3.6000E+07	1.0400E-03	3.7000E+07	9.7600E-04	9238	3175	488
3.8000E+07	9.1600E-04	3.9000E+07	8.5600E-04	4.0000E+07	8.2467E-04	9238	3175	489
4.2000E+07	7.6200E-04	4.4000E+07	6.4600E-04	4.6000E+07	5.5400E-04	9238	3175	490
4.8000E+07	4.8700E-04	5.0000E+07	4.4100E-04	5.2000E+07	4.5900E-04	9238	3175	491
5.4000E+07	6.0700E-04	5.6000E+07	1.0100E-03	5.8000E+07	1.6600E-03	9238	3175	492
6.0000E+07	2.6600E-03	6.2000E+07	3.7800E-03	6.4000E+07	5.1100E-03	9238	3175	493
6.6000E+07	6.3200E-03	6.8000E+07	7.5000E-03	7.0000E+07	8.5100E-03	9238	3175	494
7.2000E+07	9.4800E-03	7.4000E+07	1.0300E-02	7.6000E+07	1.1000E-02	9238	3175	495
7.8000E+07	1.1400E-02	8.0000E+07	1.1800E-02	8.5000E+07	1.2400E-02	9238	3175	496
9.0000E+07	1.2700E-02	9.5000E+07	1.3100E-02	1.0000E+08	1.3300E-02	9238	3	0
						9238	3176	498
9.2238E+04	2.3800E+02	0	0	0		09238	3176	499
3.7506E+06	3.7506E+06	0	0	1		549238	3176	500
	54	2				9238	3176	501
1.0000E-05	0.0000E+00	1.2000E+07	4.4300E-09	1.3000E+07	5.1900E-08	9238	3176	502
1.4000E+07	2.9400E-07	1.5000E+07	1.3200E-06	1.6000E+07	5.0900E-06	9238	3176	503
1.7000E+07	1.7300E-05	1.8000E+07	5.1900E-05	1.9000E+07	1.3200E-04	9238	3176	504
2.0000E+07	2.9200E-04	2.1000E+07	5.4300E-04	2.2000E+07	9.0600E-04	9238	3176	505
2.3000E+07	1.3600E-03	2.4000E+07	1.8700E-03	2.5000E+07	2.4000E-03	9238	3176	506
2.6000E+07	2.8800E-03	2.7000E+07	3.2400E-03	2.8000E+07	3.5100E-03	9238	3176	507
2.9000E+07	3.6600E-03	3.0000E+07	3.7700E-03	3.1000E+07	3.8000E-03	9238	3176	508
3.2000E+07	3.7600E-03	3.3000E+07	3.6500E-03	3.4000E+07	3.5100E-03	9238	3176	509
3.5000E+07	3.3500E-03	3.6000E+07	3.2800E-03	3.7000E+07	3.1100E-03	9238	3176	510
3.8000E+07	2.9400E-03	3.9000E+07	2.7700E-03	4.0000E+07	2.6033E-03	9238	3176	511
4.2000E+07	2.2700E-03	4.4000E+07	1.9800E-03	4.6000E+07	1.7000E-03	9238	3176	512
4.8000E+07	1.4500E-03	5.0000E+07	1.2200E-03	5.2000E+07	1.0400E-03	9238	3176	513
5.4000E+07	8.9900E-04	5.6000E+07	7.7400E-04	5.8000E+07	6.5800E-04	9238	3176	514
6.0000E+07	5.5200E-04	6.2000E+07	4.9300E-04	6.4000E+07	4.9800E-04	9238	3176	515
6.6000E+07	6.5000E-04	6.8000E+07	1.0000E-03	7.0000E+07	1.5500E-03	9238	3176	516
7.2000E+07	2.2900E-03	7.4000E+07	3.2100E-03	7.6000E+07	4.2000E-03	9238	3176	517
7.8000E+07	5.1700E-03	8.0000E+07	6.1700E-03	8.5000E+07	8.2800E-03	9238	3176	518
9.0000E+07	9.7400E-03	9.5000E+07	1.0600E-02	1.0000E+08	1.0900E-02	9238	3	0
						9238	3176	520

9.2238E+04	2.3800E+02	0	0	0	09238	3177	521
-1.4592E+06	-1.4592E+06	0	0	1	499238	3177	522
49	2				9238	3177	523
1.4653E+06	0.0000E+00	1.7000E+07	9.4200E-11	1.8000E+07	5.2800E-08	9238	3177
1.9000E+07	3.3100E-07	2.0000E+07	1.2800E-06	2.1000E+07	3.8600E-06	9238	3177
2.2000E+07	1.2700E-05	2.3000E+07	3.7100E-05	2.4000E+07	9.9400E-05	9238	3177
2.5000E+07	2.3200E-04	2.6000E+07	4.8300E-04	2.7000E+07	8.8500E-04	9238	3177
2.8000E+07	1.4200E-03	2.9000E+07	2.0900E-03	3.0000E+07	2.8200E-03	9238	3177
3.1000E+07	3.6100E-03	3.2000E+07	4.4000E-03	3.3000E+07	5.1200E-03	9238	3177
3.4000E+07	5.7200E-03	3.5000E+07	6.1600E-03	3.6000E+07	6.4500E-03	9238	3177
3.7000E+07	6.6100E-03	3.8000E+07	6.6600E-03	3.9000E+07	6.5900E-03	9238	3177
4.0000E+07	6.3800E-03	4.2000E+07	5.9600E-03	4.4000E+07	5.3300E-03	9238	3177
4.6000E+07	4.7800E-03	4.8000E+07	4.1600E-03	5.0000E+07	3.5900E-03	9238	3177
5.2000E+07	3.0900E-03	5.4000E+07	2.5900E-03	5.6000E+07	2.1800E-03	9238	3177
5.8000E+07	1.8600E-03	6.0000E+07	1.5900E-03	6.2000E+07	1.3700E-03	9238	3177
6.4000E+07	1.1700E-03	6.6000E+07	9.8600E-04	6.8000E+07	8.0500E-04	9238	3177
7.0000E+07	6.6200E-04	7.2000E+07	5.6700E-04	7.4000E+07	5.5500E-04	9238	3177
7.6000E+07	6.7400E-04	7.8000E+07	9.2500E-04	8.0000E+07	1.3800E-03	9238	3177
8.5000E+07	3.2300E-03	9.0000E+07	5.4700E-03	9.5000E+07	7.6500E-03	9238	3177
1.0000E+08	9.6200E-03				9238	3177	540
					9238	3 0	541
9.2238E+04	2.3800E+02	0	0	0	09238	3178	542
-7.9778E+06	-7.9778E+06	0	0	1	429238	3178	543
42	2				9238	3178	544
8.0113E+06	0.0000E+00	2.4000E+07	3.0500E-10	2.5000E+07	2.6400E-08	9238	3178
2.6000E+07	2.2300E-07	2.7000E+07	9.7500E-07	2.8000E+07	3.1800E-06	9238	3178
2.9000E+07	9.5700E-06	3.0000E+07	2.5700E-05	3.1000E+07	6.6800E-05	9238	3178
3.2000E+07	1.6100E-04	3.3000E+07	3.4300E-04	3.4000E+07	6.3100E-04	9238	3178
3.5000E+07	1.0600E-03	3.6000E+07	1.5200E-03	3.7000E+07	2.1700E-03	9238	3178
3.8000E+07	2.8900E-03	3.9000E+07	3.6300E-03	4.0000E+07	4.2233E-03	9238	3178
4.2000E+07	5.4100E-03	4.4000E+07	6.0200E-03	4.6000E+07	6.1400E-03	9238	3178
4.8000E+07	5.8700E-03	5.0000E+07	5.3700E-03	5.2000E+07	4.7900E-03	9238	3178
5.4000E+07	4.1800E-03	5.6000E+07	3.6300E-03	5.8000E+07	3.1500E-03	9238	3178
6.0000E+07	2.7000E-03	6.2000E+07	2.3000E-03	6.4000E+07	1.9400E-03	9238	3178
6.6000E+07	1.6400E-03	6.8000E+07	1.3800E-03	7.0000E+07	1.1800E-03	9238	3178
7.2000E+07	1.0100E-03	7.4000E+07	8.4800E-04	7.6000E+07	6.9500E-04	9238	3178
7.8000E+07	5.5700E-04	8.0000E+07	4.3400E-04	8.5000E+07	2.5100E-04	9238	3178
9.0000E+07	5.2400E-04	9.5000E+07	1.3000E-03	1.0000E+08	2.5200E-03	9238	3178
					9238	3 0	559
9.2238E+04	2.3800E+02	0	0	0	09238	3179	560
-1.3539E+07	-1.3539E+07	0	0	1	369238	3179	561
36	2				9238	3179	562
1.3595E+07	0.0000E+00	3.0000E+07	1.4000E-10	3.1000E+07	9.2600E-09	9238	3179
3.2000E+07	9.5700E-08	3.3000E+07	4.6500E-07	3.4000E+07	1.5400E-06	9238	3179
3.5000E+07	4.8200E-06	3.6000E+07	1.1700E-05	3.7000E+07	2.9500E-05	9238	3179
3.8000E+07	7.1400E-05	3.9000E+07	1.5700E-04	4.0000E+07	3.3567E-04	9238	3179
4.2000E+07	6.9300E-04	4.4000E+07	1.5100E-03	4.6000E+07	2.5300E-03	9238	3179
4.8000E+07	3.5600E-03	5.0000E+07	4.3500E-03	5.2000E+07	4.7300E-03	9238	3179
5.4000E+07	4.7700E-03	5.6000E+07	4.5200E-03	5.8000E+07	4.1600E-03	9238	3179
6.0000E+07	3.7200E-03	6.2000E+07	3.3000E-03	6.4000E+07	2.9300E-03	9238	3179
6.6000E+07	2.5100E-03	6.8000E+07	2.1200E-03	7.0000E+07	1.7900E-03	9238	3179
7.2000E+07	1.5300E-03	7.4000E+07	1.3100E-03	7.6000E+07	1.1100E-03	9238	3179
7.8000E+07	9.4400E-04	8.0000E+07	7.9800E-04	8.5000E+07	5.0800E-04	9238	3179
9.0000E+07	2.6600E-04	9.5000E+07	1.2700E-04	1.0000E+08	2.1900E-04	9238	3179
					9238	3 0	575
9.2238E+04	2.3800E+02	0	0	0	09238	3180	576
-2.0353E+07	-2.0353E+07	0	0	1	299238	3180	577
29	2				9238	3180	578
2.0438E+07	0.0000E+00	3.7000E+07	3.9700E-12	3.8000E+07	4.6200E-10	9238	3180
3.9000E+07	7.9300E-09	4.0000E+07	2.7829E-07	4.2000E+07	8.1900E-07	9238	3180
4.4000E+07	6.6300E-06	4.6000E+07	3.7700E-05	4.8000E+07	1.7500E-04	9238	3180
5.0000E+07	5.3100E-04	5.2000E+07	1.1300E-03	5.4000E+07	1.9700E-03	9238	3180
5.6000E+07	2.8300E-03	5.8000E+07	3.4900E-03	6.0000E+07	3.9000E-03	9238	3180
6.2000E+07	4.0400E-03	6.4000E+07	3.9500E-03	6.6000E+07	3.7000E-03	9238	3180
6.8000E+07	3.3300E-03	7.0000E+07	2.9300E-03	7.2000E+07	2.5800E-03	9238	3180
7.4000E+07	2.2500E-03	7.6000E+07	1.9200E-03	7.8000E+07	1.6400E-03	9238	3180
8.0000E+07	1.3900E-03	8.5000E+07	9.0900E-04	9.0000E+07	6.0000E-04	9238	3180

9.5000E+07	3.6800E-04	1.0000E+08	1.8100E-04				9238	3180	588
							9238	3	0
9.2238E+04	2.3800E+02	0	0	0			09238	3181	590
-2.6146E+07	-2.6146E+07	0	0	1			249238	3181	591
24	2						9238	3181	592
2.6256E+07	0.0000E+00	4.4000E+07	7.5300E-11	4.6000E+07	6.6200E-09	9238	3181	593	
4.8000E+07	1.3800E-07	5.0000E+07	1.3000E-06	5.2000E+07	8.4800E-06	9238	3181	594	
5.4000E+07	4.1300E-05	5.6000E+07	1.4700E-04	5.8000E+07	3.6800E-04	9238	3181	595	
6.0000E+07	7.3600E-04	6.2000E+07	1.2000E-03	6.4000E+07	1.7300E-03	9238	3181	596	
6.6000E+07	2.2400E-03	6.8000E+07	2.6300E-03	7.0000E+07	2.8300E-03	9238	3181	597	
7.2000E+07	2.8500E-03	7.4000E+07	2.7600E-03	7.6000E+07	2.5600E-03	9238	3181	598	
7.8000E+07	2.3300E-03	8.0000E+07	2.0800E-03	8.5000E+07	1.5000E-03	9238	3181	599	
9.0000E+07	1.0100E-03	9.5000E+07	6.8000E-04	1.0000E+08	4.4400E-04	9238	3181	600	
						9238	3	0	601
9.2238E+04	2.3800E+02	0	0	0			09238	3182	602
-3.3201E+07	-3.3201E+07	0	0	1			219238	3182	603
21	2						9238	3182	604
3.3340E+07	0.0000E+00	5.0000E+07	3.4000E-14	5.2000E+07	3.5000E-11	9238	3182	605	
5.4000E+07	2.1600E-09	5.6000E+07	3.8700E-08	5.8000E+07	3.3500E-07	9238	3182	606	
6.0000E+07	2.3600E-06	6.2000E+07	1.0900E-05	6.4000E+07	4.0100E-05	9238	3182	607	
6.6000E+07	1.1700E-04	6.8000E+07	2.7400E-04	7.0000E+07	5.0800E-04	9238	3182	608	
7.2000E+07	7.8300E-04	7.4000E+07	1.0700E-03	7.6000E+07	1.3300E-03	9238	3182	609	
7.8000E+07	1.5100E-03	8.0000E+07	1.6100E-03	8.5000E+07	1.5200E-03	9238	3182	610	
9.0000E+07	1.1900E-03	9.5000E+07	8.6000E-04	1.0000E+08	5.8200E-04	9238	3182	611	
						9238	3	0	612
9.2238E+04	2.3800E+02	0	0	0			09238	3183	613
-3.9234E+07	-3.9234E+07	0	0	1			189238	3183	614
18	2						9238	3183	615
3.9399E+07	0.0000E+00	5.6000E+07	8.2400E-17	5.8000E+07	2.6600E-13	9238	3183	616	
6.0000E+07	3.7800E-11	6.2000E+07	9.3100E-10	6.4000E+07	1.1900E-08	9238	3183	617	
6.6000E+07	1.0900E-07	6.8000E+07	7.8700E-07	7.0000E+07	3.8600E-06	9238	3183	618	
7.2000E+07	1.3100E-05	7.4000E+07	3.5400E-05	7.6000E+07	8.0800E-05	9238	3183	619	
7.8000E+07	1.4900E-04	8.0000E+07	2.3900E-04	8.5000E+07	4.8100E-04	9238	3183	620	
9.0000E+07	6.4000E-04	9.5000E+07	6.3400E-04	1.0000E+08	5.2700E-04	9238	3183	621	
						9238	3	0	622
						9238	0	0	623
						0	0	0	624
						-1	0	0	0