AR TARGET SHEET

The following document was too large to scan as one unit, therefore, it has been broken down into sections.

EDMC#:	0025845
SECTION:	4 of 8
DOCUMENT #:	DOE/RL-92-67, DRAFT A
TITLE:	Final RI/FS Report for 1100-EM-1 OU, Hanford

APPENDIX F

SIEMENS POWER CORPORATION
ANALYTICAL RESULTS

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1.0 INTRODUCTION

The Siemens Power Corporation (SPC) is the current corporate entity that owns the fuels fabrication facility in Richland, Washington. Several chemical waste storage lagoons are maintained onsite. The lagoons received wastes from the fabrication process that contained dissolved ammonia, sulfate, fluoride, and nitrate. Trichloroethene (TCE), nitrate, ammonia, fluoride, and radionuclides (gross-alpha and gross-beta radiation) were found to be present in the groundwater at the SPC facility. All of these analytes can be attributed to the lagoons except TCE, which was not used in process applications. Subsequent groundwater sampling and analyses have shown TCE and nitrates to be the major contaminants of concern.

2.0 SPC DATA COLLECTION ACTIVITIES

SPC monitored as many as 25 wells between 1973 and 1991 to determine contaminant impact from leaking lagoons on groundwater quality. Selected wells were analyzed for nitrate, ammonium, fluoride, and gross-alpha and gross-beta radiation on a quarterly basis since 1973 to fulfill requirements for the State Waste Discharge Permit and NRC license Number SNM-1227. After a spill of waste containing ammonium hydroxide in July 1989, samples have been collected on a weekly basis starting March 1990 at wells TW-9 and TW-26 and analyzed for ammonium to determine the degree of groundwater contamination. Additionally, four rounds of samples were collected from selected SPC wells between February 1990 and June 1991 in conjunction with quarterly sampling by the U.S. Department of Energy at the Horn Rapids Landfill site and analyzed for TCE, nitrate, and gross-alpha and gross-beta radiation.

In August 1991, samples were collected from 25 existing wells and analyzed for TCE, dichloroethene, and vinyl chloride (breakdown products of TCE), nitrate, ammonia, fluoride, and gross-alpha and -beta radiation.

Since November 1991, sample collection activities and associated investigations are consistent with the remedial investigation (RI) requirements of an independent action under the State of Washington Model-Toxics Control Act (MTCA). The data collected supports the RI and feasibility study (FS) by providing further characterization of the distribution of contaminants and further delineation of the groundwater flow system (also, see section 6.0) in the unconfined aquifer. Water level values are presented in appendix B. Detailed descriptions of the water level measurement and groundwater sampling and analysis procedures are provided in appendix A of the *Work Plan, Phase I Groundwater Study* (Geraghty & Miller, 1991).

3.0 SPC DATA QUALITY

Data for wells was obtained from SPC by personal communication and previous reports (Exxon, 1982, and Geraghty & Miller, 1991). Initially, there were concerns for some uncertainty in reported concentrations due to well construction techniques and sampling

techniques for samples collected prior to November 1991. All TW wells, except TW-17 and TW-18, are constructed of carbon steel which, due to corrosion and the presence of iron oxides, may impact water quality results. Wells TW-17 and TW-18 raised some issues questioning the absolute accuracy of this data. Wells constructed in November 1991 as part of the SPC RI and sample collection protocol for those wells (labeled GM versus earlier-constructed wells designated TW) are constructed of PVC and are smaller (3-inch diameter) than the other wells (6-inch diameter). These factors and others, including uncertainty regarding well depths, screened intervals, and other construction information, suggest that the data should not be assumed to be accurate.

It seems unlikely, however, that the well material would interfere with the analytes of concern (TCE and nitrates) as there are no known interferences from carbon steel for these compounds. The following tables provide the data available from SPC to date.

Well construction and sample collection methods for sampling activities in November 1991 and later are consistent with current EPA guidelines for CLP data. The GM wells show no significant data quality concerns, data quality is comparable to 1100-EM-1 results.

4.0 REFERENCES

Exxon Nuclear Company, Inc., October 1982, *Groundwater Quality and Flow Characteristics in the Vicinity of the Exxon Nuclear Company, Inc. fuel Fabrication Facility, Richland, Washington*, Report number XN-JUB-82-86.

Geraghty & Miller, Inc.; September 19, 1991; *Work Plan, Phase I Groundwater Study*; prepared for Siemens Nuclear Power Corporation; Richland, Washington.

TABLE F–1 TCE Concentrations, Siemens Power Corporation
UNITS: ug/L

Date	9/87	12/87	4/90	4/90 *	6/90	9/90	10/90	8/91	11/91	3/92
Well #										
TW–1	8.9	230	40	40	--	--	--	11	--	--
TW–2	--	--	59	56	--	--	--	27	--	--
TW–3	--	--	--	--	--	32	--	12	--	--
TW–4	--	--	--	--	--	26	--	11	--	--
TW–5	--	--	--	--	--	23	--	9.6	--	--
TW–6	--	--	--	--	--	12	--	5.5	--	--
TW–7	--	--	--	--	--	ND	--	5.5	--	--
TW–8	--	ND	--	--	--	--	--	ND	--	--
TW–9	--	420	51	22	--	--	--	11	--	--
TW–11	--	--	--	--	--	--	20	10	--	--
TW–12	--	--	--	--	--	--	24	16	--	--
TW–13	--	--	ND	ND	--	--	ND	ND	--	--
TW–14	--	--	39	33	22	14	--	12	--	10
TW–15	--	--	76	72	58	44	--	25	--	--
TW–16	--	--	73	30	53	33	--	12	--	--
TW–17	--	--	--	--	--	--	--	36	--	--
TW–18	--	--	--	--	--	--	--	36	--	--
TW–19	--	--	--	--	--	--	11	7.9	--	--
TW–20	--	--	--	--	--	--	5	4.1	--	--
TW–21	--	--	--	--	--	--	2 J	1.6	--	--
TW–22	--	--	--	--	--	--	ND	ND	--	--
TW–23	--	--	--	--	--	--	ND	ND	--	--
TW–24	--	--	--	--	--	--	ND	ND	--	--
TW–25	--	--	--	--	--	--	--	ND	--	--
TW–26	--	--	--	--	--	--	--	12	--	--
TW–27(1)	--	--	--	--	--	--	--	13	--	--
TW–30(2)	--	--	--	--	--	--	--	ND	--	--
GM–1	--	--	--	--	--	--	--	--	ND	ND
GM–2	--	--	--	--	--	--	--	--	ND	ND
GM–3	--	--	--	--	--	--	--	--	22 B	15
GM–4	--	--	--	--	--	--	--	--	2 BJ	ND
GM–5	--	--	--	--	--	--	--	--	22 B	14
GM–6	--	--	--	--	--	--	--	--	12 B	18
GM–7	--	--	--	--	--	--	--	--	13 B	15
GM–8	--	--	--	--	--	--	--	--	13 B	22
GM–9	--	--	--	--	--	--	--	--	10 B	9
GM–10	--	--	--	--	--	--	--	--	21 B	18
GM–11	--	--	--	--	--	--	--	--	23 B	17
GM–12	--	--	--	--	--	--	--	--	35 B	29

* = Indicates duplicate samples ND = Not detected -- = Data not Available

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TABLE F-2 Nitrate (as Nitrogen) for Siemens Power Corp.

	(YEAR/QUARTER)															
	81/1	81/2	81/3	81/4	82/1	82/2	82/3	82/4	83/1	83/2	83/3	83/4	84/1	84/2	84/3	84/4
UNITS: mg/L																
Well #																
TW-1	68	79	38	27	72	63	49	81	99	81	60	52	52	--	53	--
TW-2	34	65	42	18	34	37	33	39	65	57	18	6	44	--	43	--
TW-9	75	75	40	37	47	64	53	56	58	67	48	11	21	--	86	--
TW-13	2.6	3.2	2.1	1.4	2.5	3.1	1.4	0.8	3.5	4.4	1.6	1.3	2.8	--	2.7	--
TW-14	53	77	34	21	40	37	51	65	68	68	52	41	75	--	64	--
TW-15	80	65	39	22	46	61	41	31	54	51	11	39	64	--	53	--
TW-16	--	--	--	--	--	--	24	13	41	0.9	1.2	1.5	1.4	--	1.4	--
TW-23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TW-24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--=Data Not Availble * Indicates Duplicate Samples

TABLE F-2 Nitrate (as Nitrogen) for Siemens Power Corp.

	(YEAR/QUARTER)															
	85/1	85/2	85/3	85/4	86/1	86/2	86/3	86/4	87/1	87/2	87/3	87/4	88/1	88/2	88/3	88/4
UNITS: mg/L																
Well #																
TW-1	71	--	64	--	46	--	42	--	--	51.3	25.6	39.6	52	--	54.4	--
TW-2	57	--	69	--	38	--	34	--	--	44.7	37.7	--	25.8	--	57.5	--
TW-9	94	--	75	--	59	--	86	--	--	--	77.9	--	41.8	--	61.8	--
TW-13	10.2	--	5.6	--	5.6	--	3.4	--	--	--	--	--	--	--	--	--
TW-14	46	--	49	--	52	--	49	--	--	--	64.2	--	42	--	46.9	--
TW-15	85	--	49	--	56	--	33.9	--	--	--	59.4	--	58.9	--	38.4	--
TW-16	1.8	--	--	--	1.4	--	1.4	--	--	--	2.3	--	1.1	--	1.8	--
TW-23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TW-24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

--=Data Not Availble * Indicates Duplicate Samples

TABLE F-2 Nitrate (as Nitrogen) for Siemens Power Corp.

	(YEAR/QUARTER)													
	89/1	89/2	89/3	89/4	2/90	5/90	8/90	11/90	3/91	6/91	8/91	9/91	11/91	3/92
UNITS: mg/L														
Well #														
TW-1	46.6	--	38.9	--	--	--	--	--	--	--	--	--	--	--
TW-2	62.5	--	60.8	--	--	--	--	--	--	--	--	--	--	--
TW-9	20.3	--	83.1	--	--	--	--	--	--	--	--	35	--	--
TW-13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TW-14	56.5	--	63.9	--	--	79.5	--	--	--	--	--	44	--	--
TW-15	64.2	--	63.9	--	--	61.4	--	--	--	--	--	36	--	--
TW-16	5.7	--	2.5	--	--	42.7	--	--	--	--	--	22	--	--
TW-23	--	--	--	--	--	--	--	--	--	--	--	4.4	--	--
TW-24	--	--	--	--	--	--	--	--	--	--	--	4.7	--	--
GM-1	--	--	--	--	--	--	--	--	--	--	--	--	4.26	4.45
GM-2	--	--	--	--	--	--	--	--	--	--	--	--	3.87	6.52
GM-3	--	--	--	--	--	--	--	--	--	--	--	--	11.4	8.71
GM-4	--	--	--	--	--	--	--	--	--	--	--	--	19	22.1
GM-5	--	--	--	--	--	--	--	--	--	--	--	--	26 *	37.1 *
GM-6	--	--	--	--	--	--	--	--	--	--	--	--	6.43	6.46
GM-7	--	--	--	--	--	--	--	--	--	--	--	--	5.46	8.66
GM-8	--	--	--	--	--	--	--	--	--	--	--	--	15.5	19.9
GM-9	--	--	--	--	--	--	--	--	--	--	--	--	45.7	5.07
GM-10	--	--	--	--	--	--	--	--	--	--	--	--	21.4	24.4
GM-11	--	--	--	--	--	--	--	--	--	--	--	--	9.56	10.2
GM-12	--	--	--	--	--	--	--	--	--	--	--	--	8.22	24.1

--=Data Not Availble * Indicates Duplicate Samples

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APPENDIX G

SIEMENS POWER CORPORATION
PUMP TEST RESULTS

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9 3 1 2 8 6 2 0 8 1 8

This appendix is reserved for the pump test results which will be provided by Siemens Power Corporation. These results are anticipated to be received by December 18, 1992, and will be incorporated into this report at that time.

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APPENDIX H

SATURATED ZONE FLOW AND CONTAMINANT TRANSPORT MODELING

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SATURATED ZONE FLOW AND CONTAMINANT TRANSPORT MODELING . . H-1

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SATURATED ZONE FLOW AND CONTAMINANT TRANSPORT MODELING

Hydrofacies zone designation for model layers 1 through 15 are shown in figures H-1 through H-15. A hydrofacies zone is an area with distinct hydrogeological characteristics. The properties of the zones were listed in table 4-6. Most of the zone boundaries followed the stratigraphic map boundaries presented in appendix C. The exceptions were the boundaries between the three hydrofacies in the Hanford Formation that were determined by changes in the groundwater surface gradient.

Figures H-16 through H-18 show simulation results with input values exceeding the ranges found during model calibration. The simulations with high retardation and porosity values show that the model was not extremely sensitive to these parameters. The simulation with no dispersivity showed the model results did not match well with observed results for this case, which is expected since contaminant dispersion is a significant element in the transport process.

Model input information and results for the nitrate simulation are shown in figures H-19 and H-20. The same calibrated hydraulic and contaminant transport parameters used for the trichloroethene (TCE) analysis were used to estimate the baseline fate of the nitrate plume. The only change was that the retardation value for nitrate was set at 1.0 (no retardation, conservative transport). For the nitrate source, the total nitrogen data from well TW-2 was used as a guide, with the amount of nitrate assumed to be 80 percent of the observed total nitrogen values shown in figure H-19. The observed nitrate values for 1990 and 1992 are shown in figure 4-26. A simulation was run that resulted in predicted values roughly matching these two data sets. This simulation, shown in figure H-20, predicts that nitrate values will attenuate to below the maximum contaminant level (MCL) of 10 ppm before the year 2005. This simulation assumed that the nitrate sources above 10 ppm do not exist beyond 1993. Although these results were not refined through further analysis, they are consistent with the contaminant transport theory that indicates a conservative solute, such as nitrate, attenuates faster than a nonconservative substance, such as TCE. These results also support the modeling analysis approach for this site of focusing on the TCE, and assuming the nitrate attenuates to its MCL sooner than the TCE.

Model input and output files for the conservative simulation are provided. Input and output files for other simulations were basically the same with the appropriate input changes as described in the main report.

9 3 1 2 9 0 2 0 8 2 4

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9 3 1 2 8 6 2 0 8 2 5

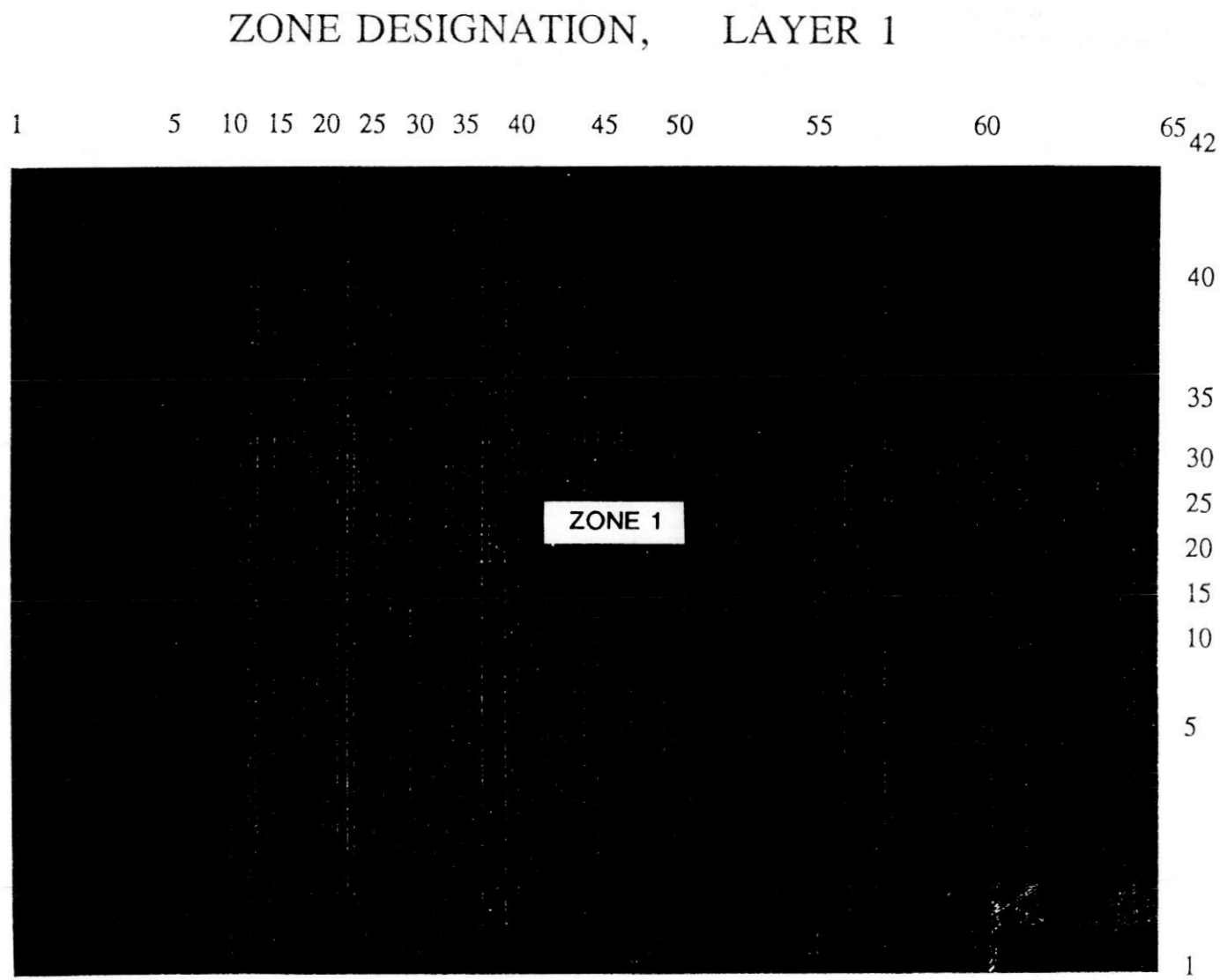

Figure H-1 Groundwater Model Hydrofacies Zone Designation, Layer 1.

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9 3 1 2 3 5 2 0 8 2 7

ZONE DESIGNATION, LAYER 2

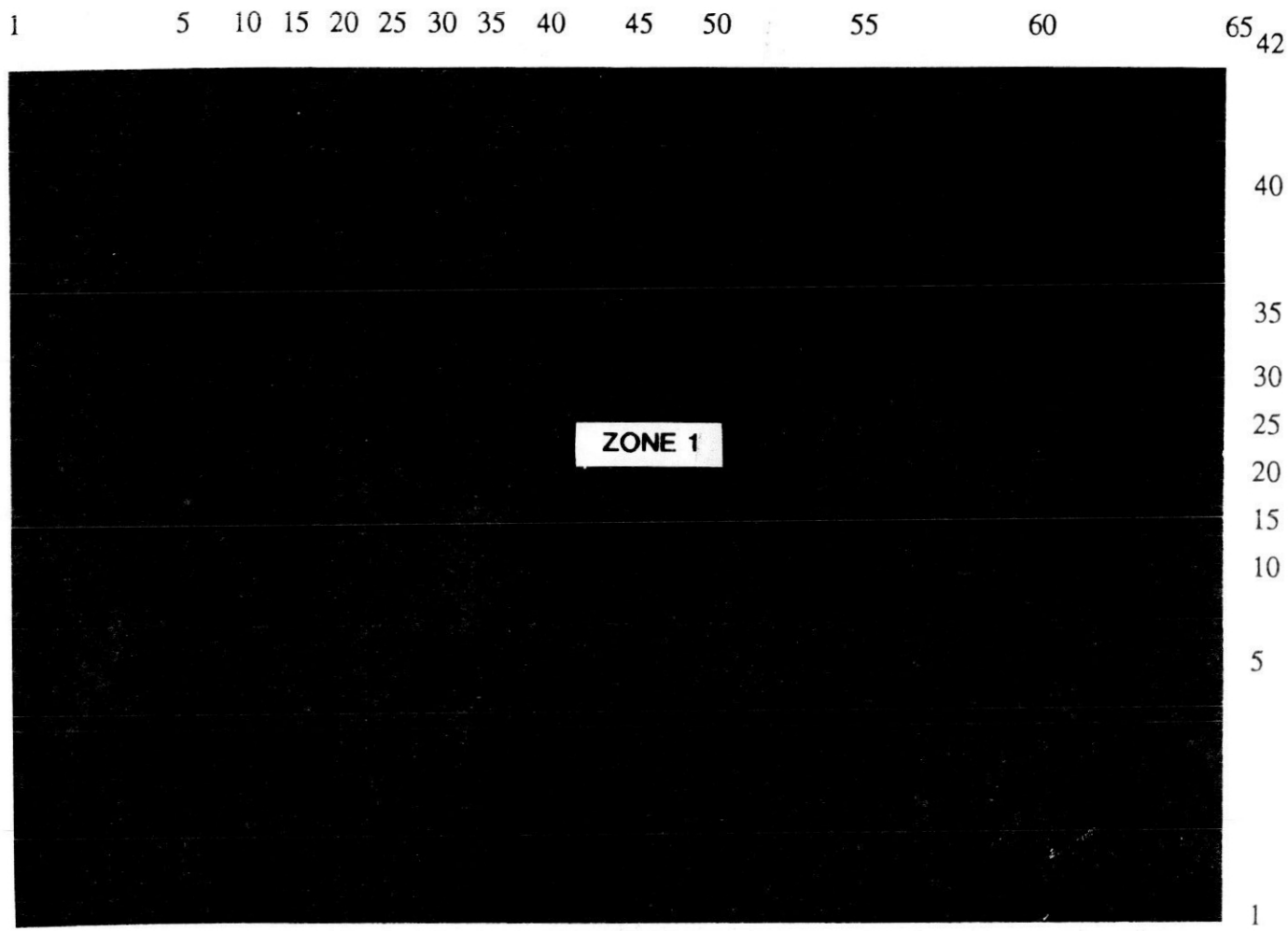

Figure H-2 Groundwater Model Hydrofacies Zone Designation, Layer 2.

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ZONE DESIGNATION, LAYER 3

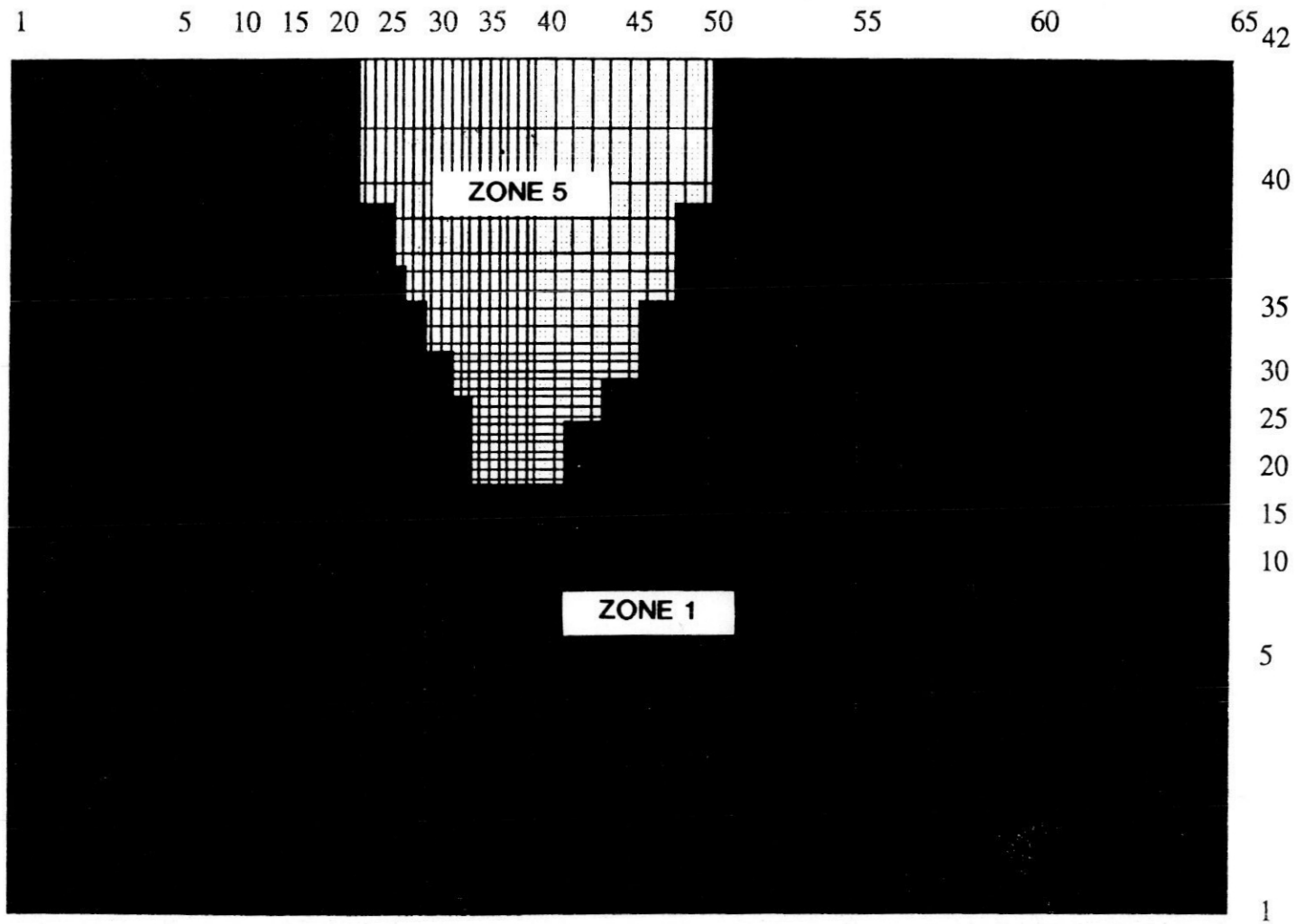

Figure H-3 Groundwater Model Hydrofacies Zone Designation, Layer 3.

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ZONE DESIGNATION, LAYER 4

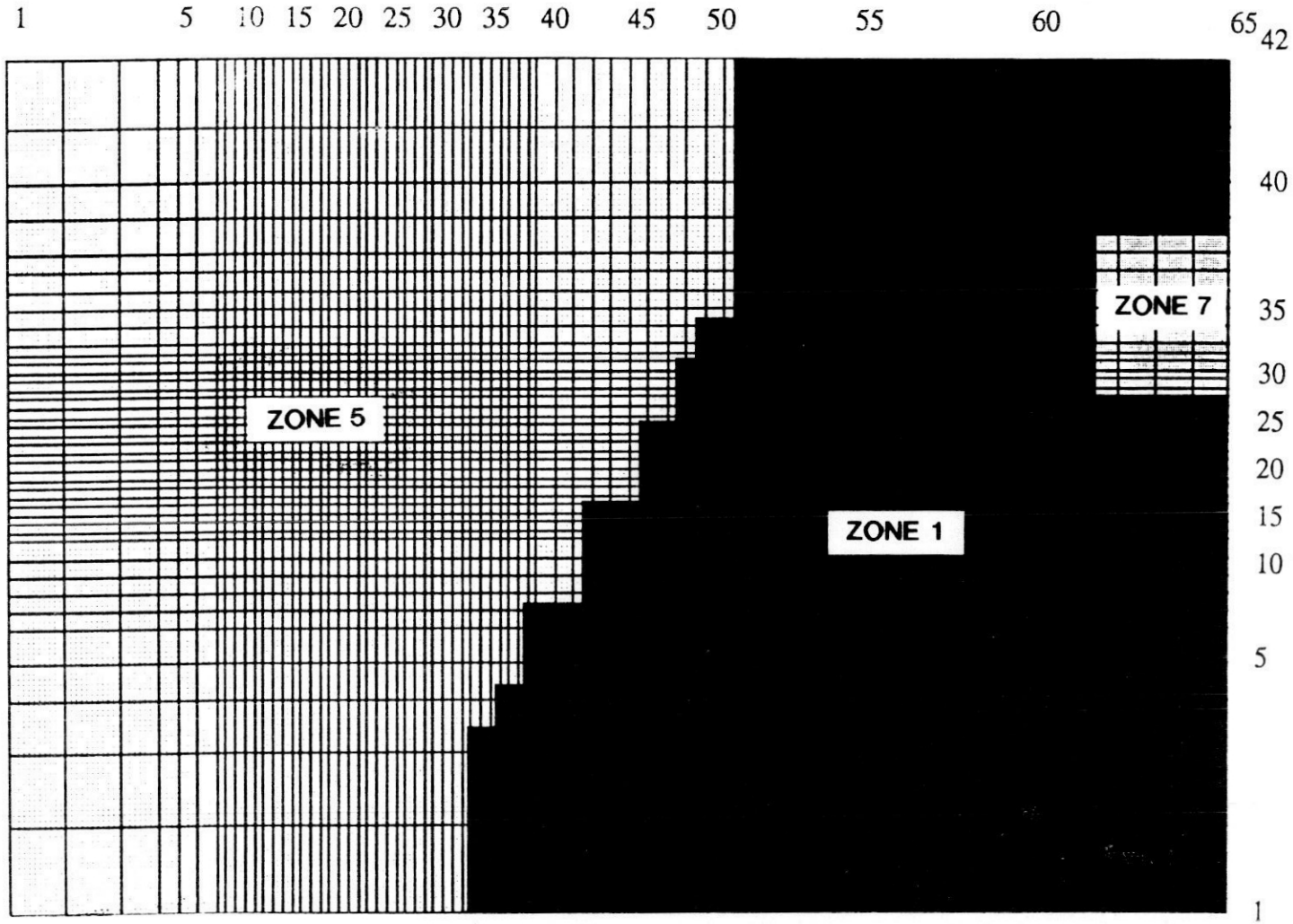

Figure H-4 Groundwater Model Hydrofacies Zone Designation, Layer 4.

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ZONE DESIGNATION, LAYER 5

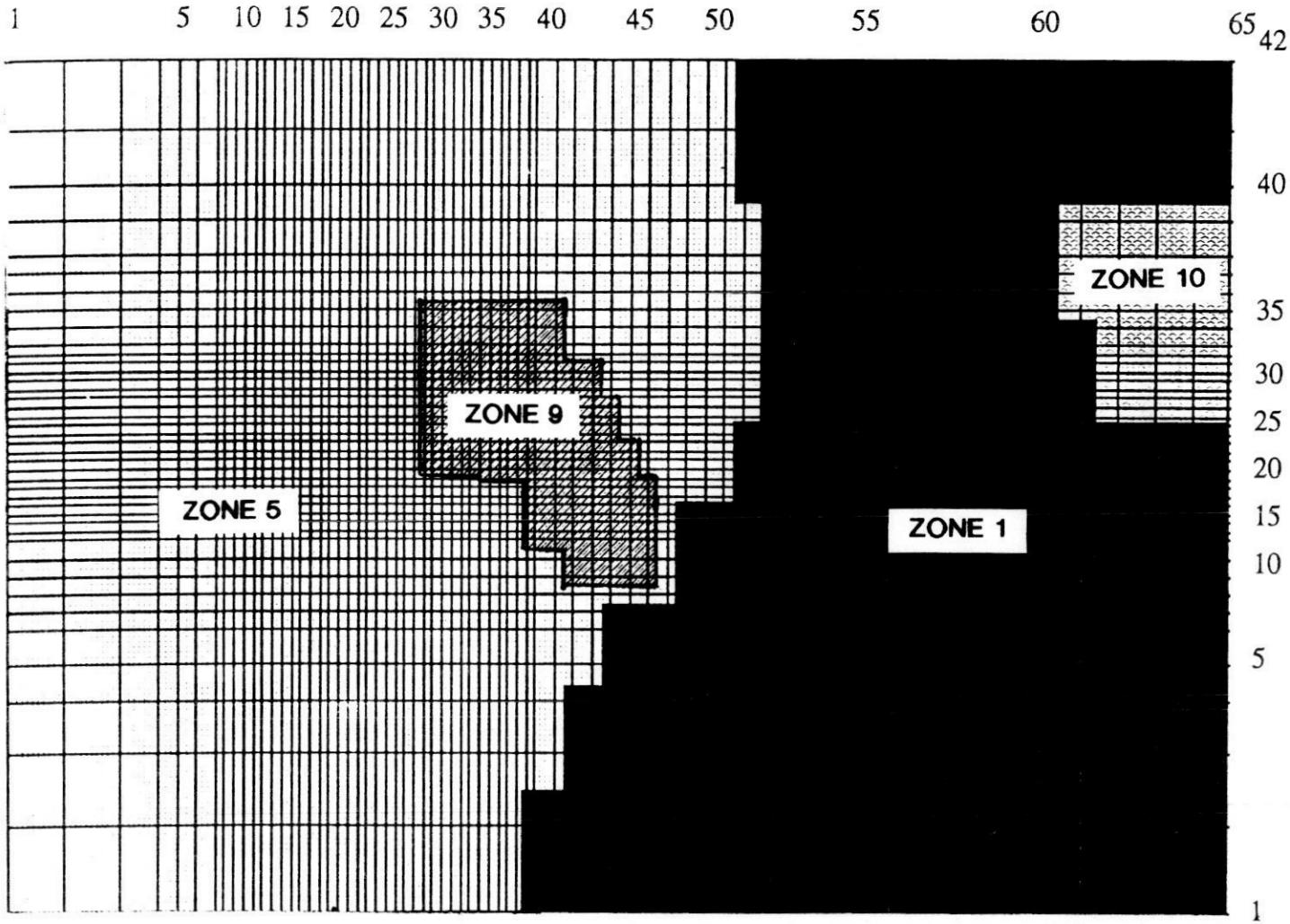

Figure H-5 Groundwater Model Hydrofacies Zone Designation, Layer 5.

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ZONE DESIGNATION, LAYER 6

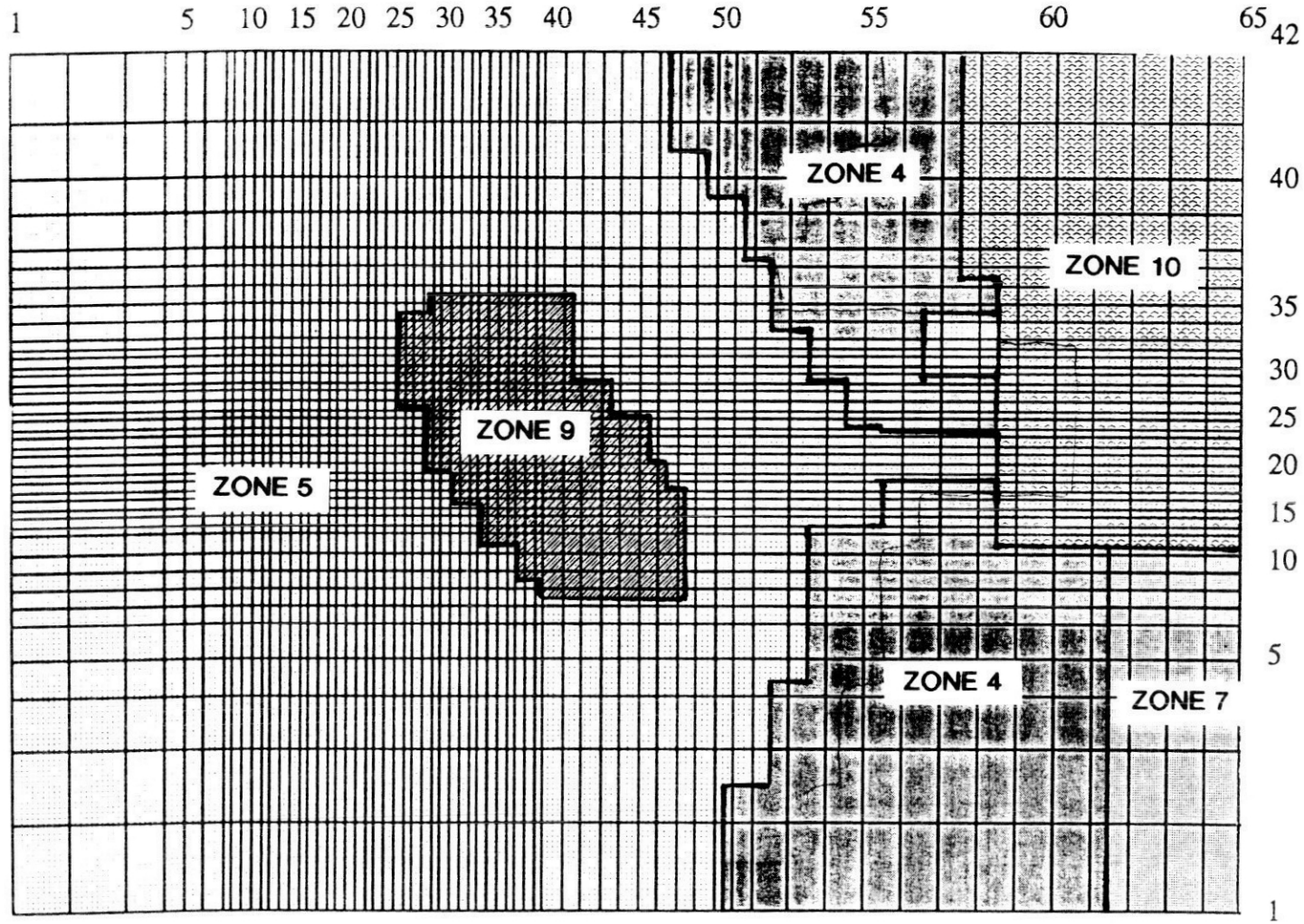

Figure H-6 Groundwater Model Hydrofacies Zone Designation, Layer 6.

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9 3 1 2 9 6 2 0 8 3 7

ZONE DESIGNATION, LAYER 7

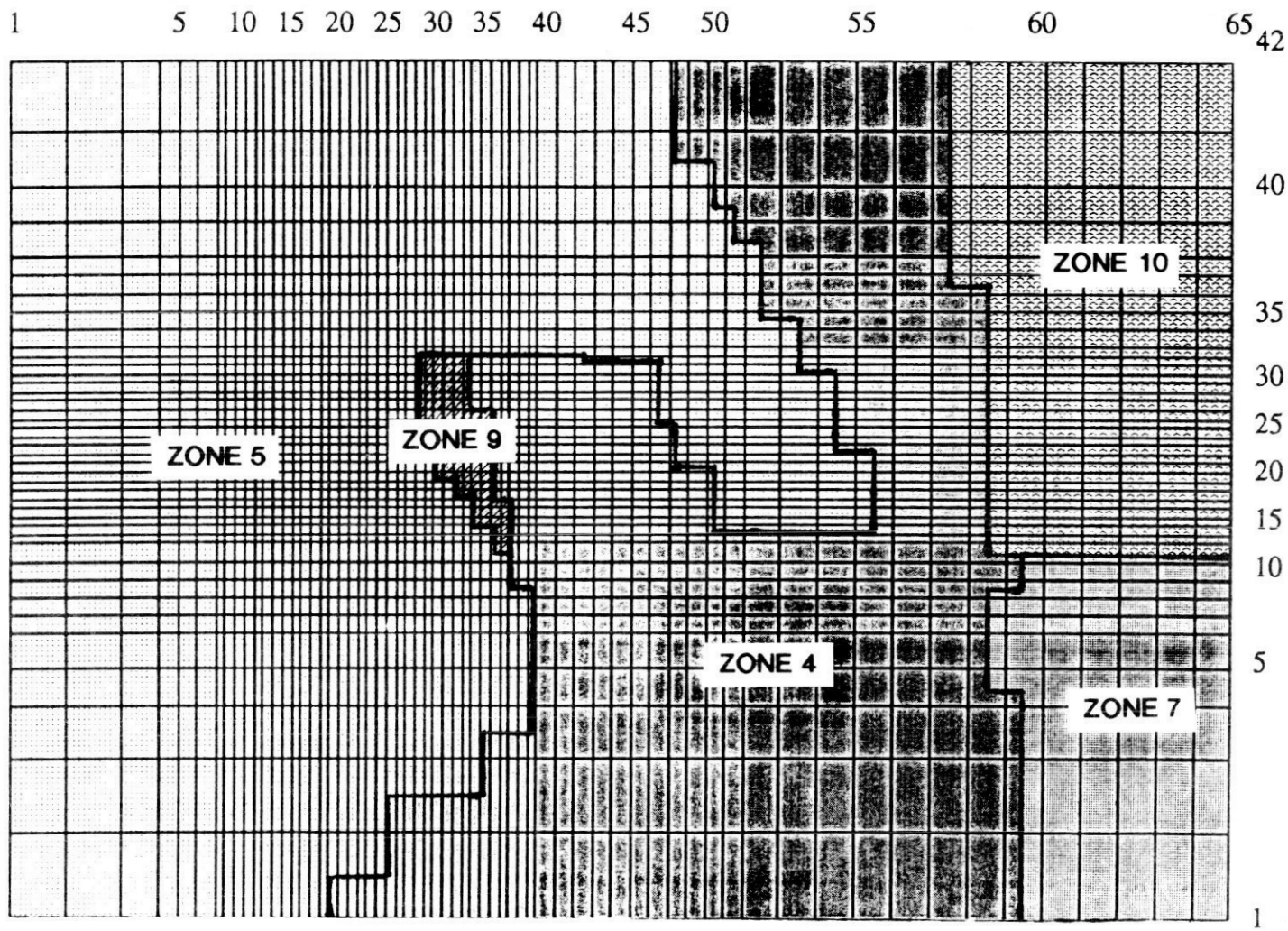

Figure H-7 Groundwater Model Hydrofacies Zone Designation, Layer 7.

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9 3 1 2 8 6 2 0 8 3 9

ZONE DESIGNATION, LAYER 8

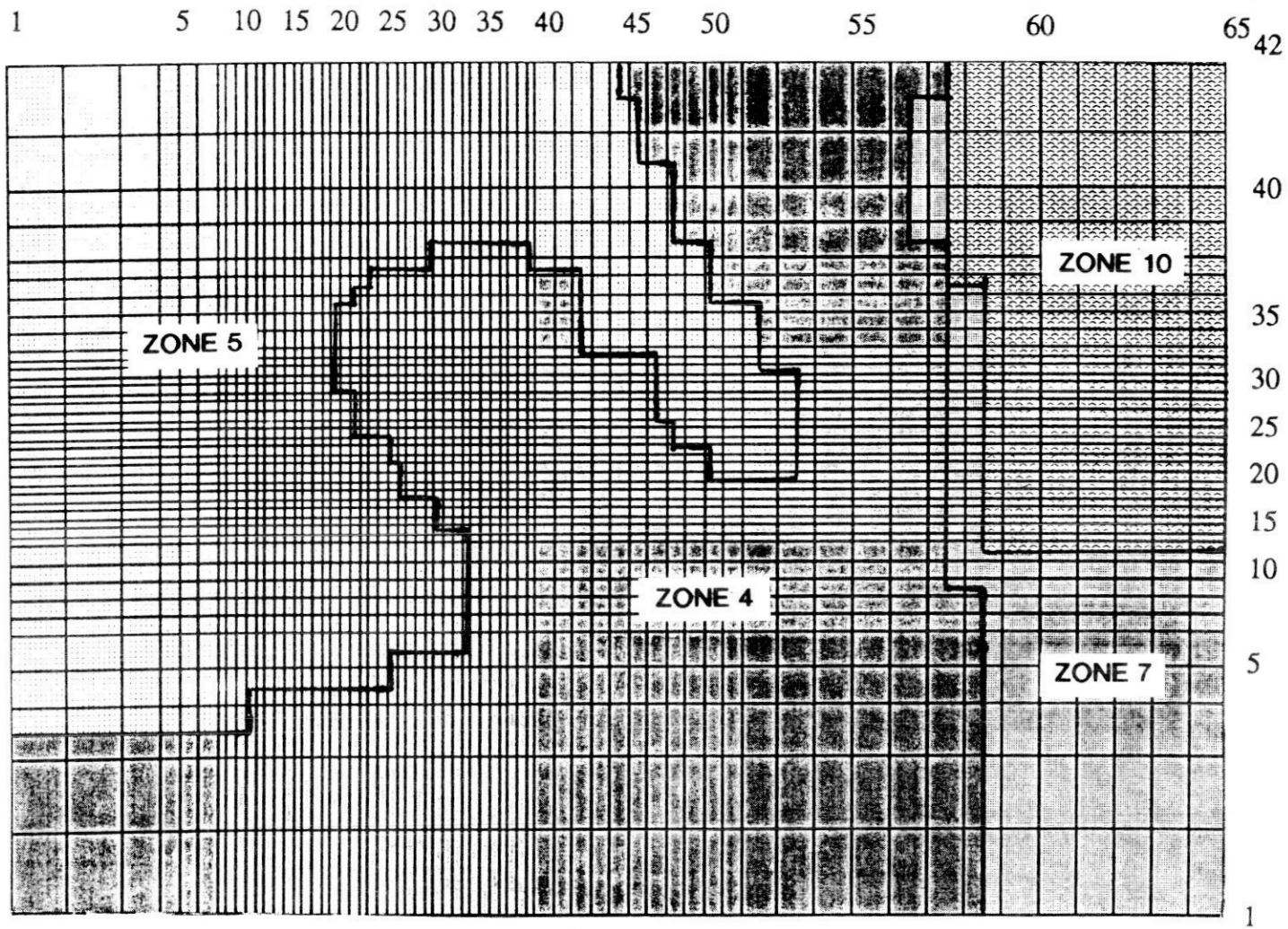

Figure H-8 Groundwater Model Hydrofacies Zone Designation, Layer 8.

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ZONE DESIGNATION, LAYER 9

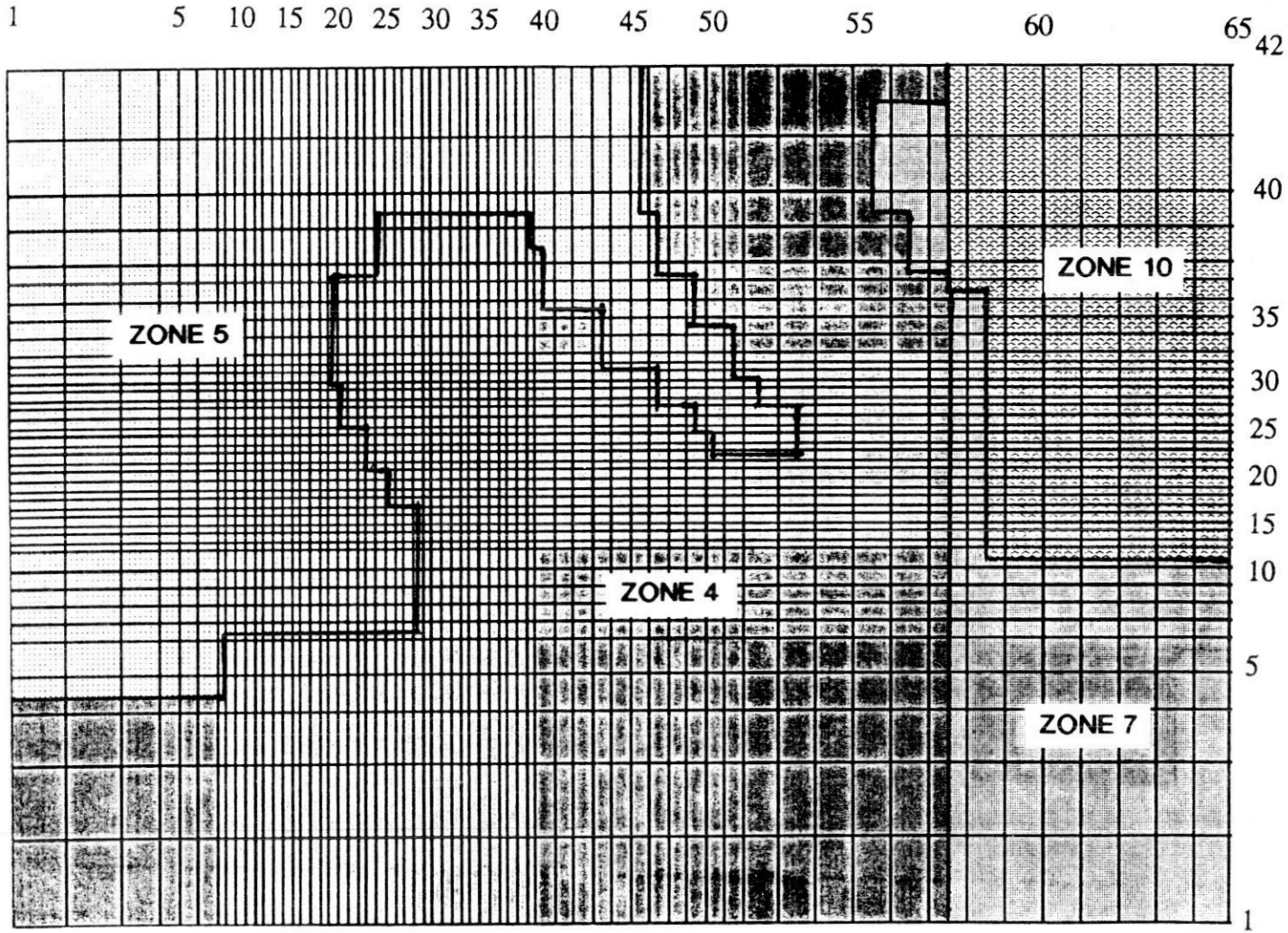

Figure H-9 Groundwater Model Hydrofacies Zone Designation, Layer 9.

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9 3 1 2 8 5 2 0 8 4 3

ZONE DESIGNATION, LAYER 10

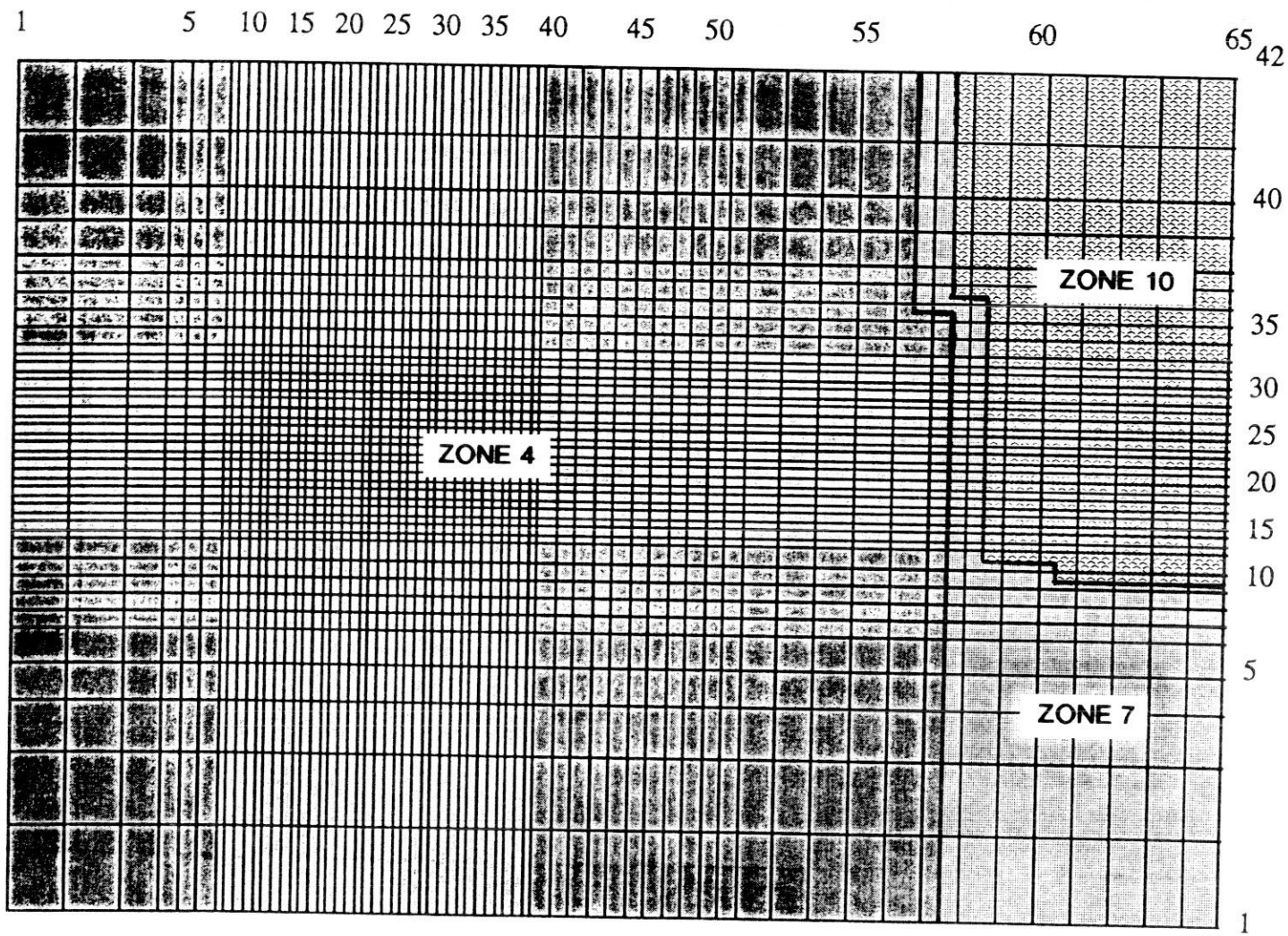

Figure H-10 Groundwater Model Hydrofacies Zone Designation, Layer 10.

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9 3 1 2 8 6 2 0 8 4 5

ZONE DESIGNATION, LAYER 11

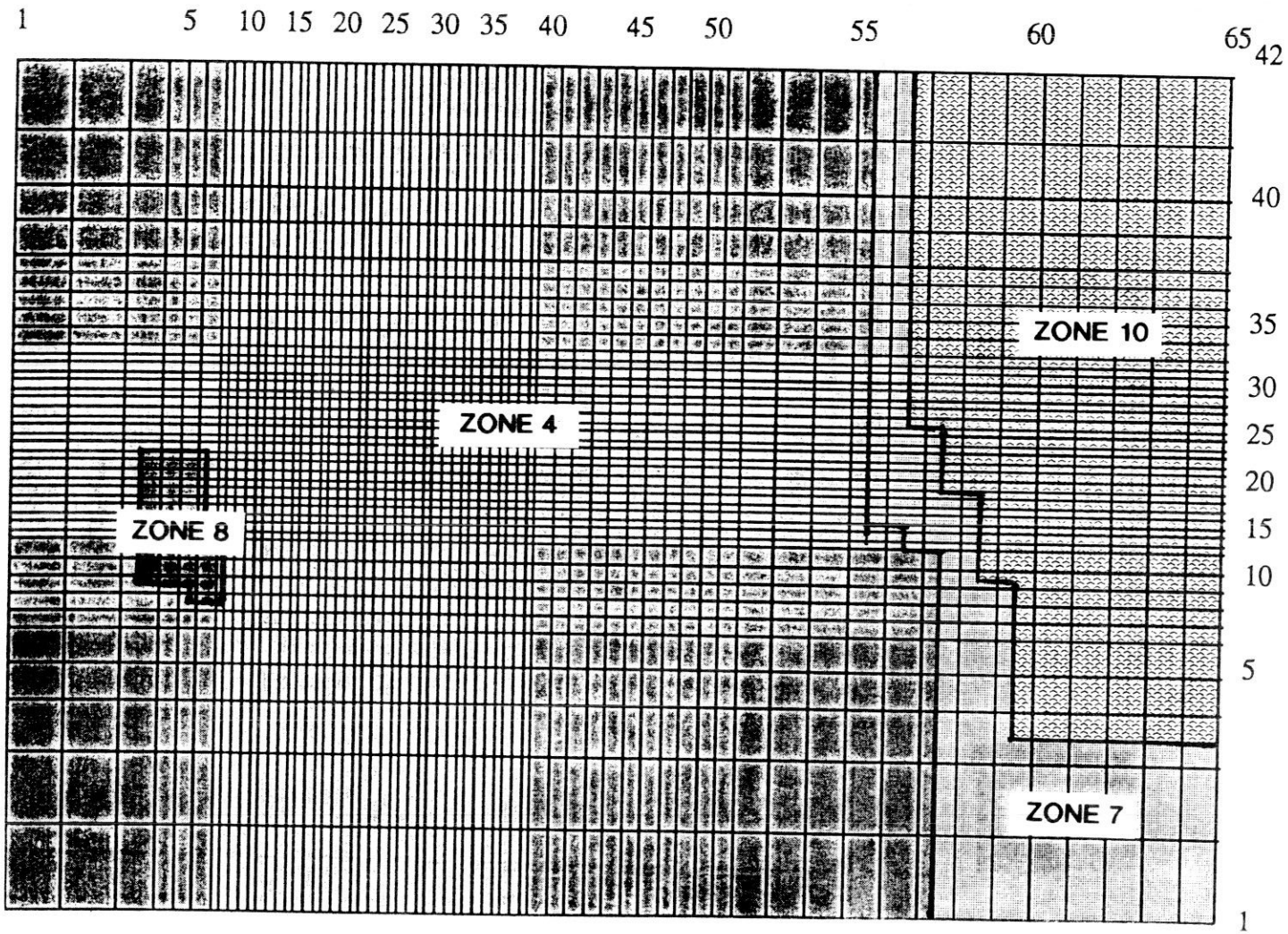

Figure H-11 Groundwater Model Hydrofacies Zone Designation, Layer 11.

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9 3 1 2 3 6 2 0 8 4 7

ZONE DESIGNATION, LAYER 12

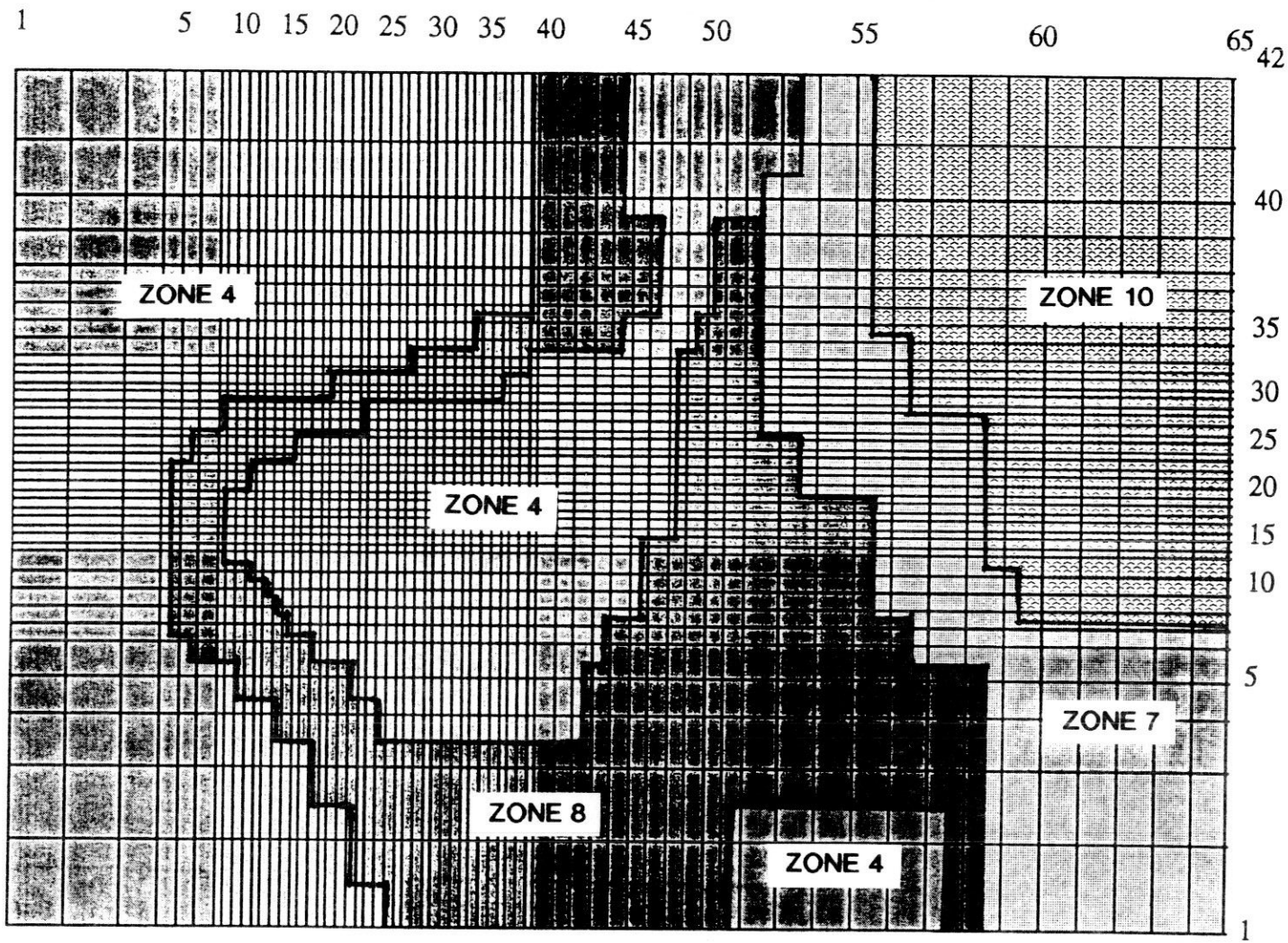

Figure H-12 Groundwater Model Hydrofacies Zone Designation, Layer 12.

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9 3 1 2 3 5 2 0 8 4 9

ZONE DESIGNATION, LAYER 13

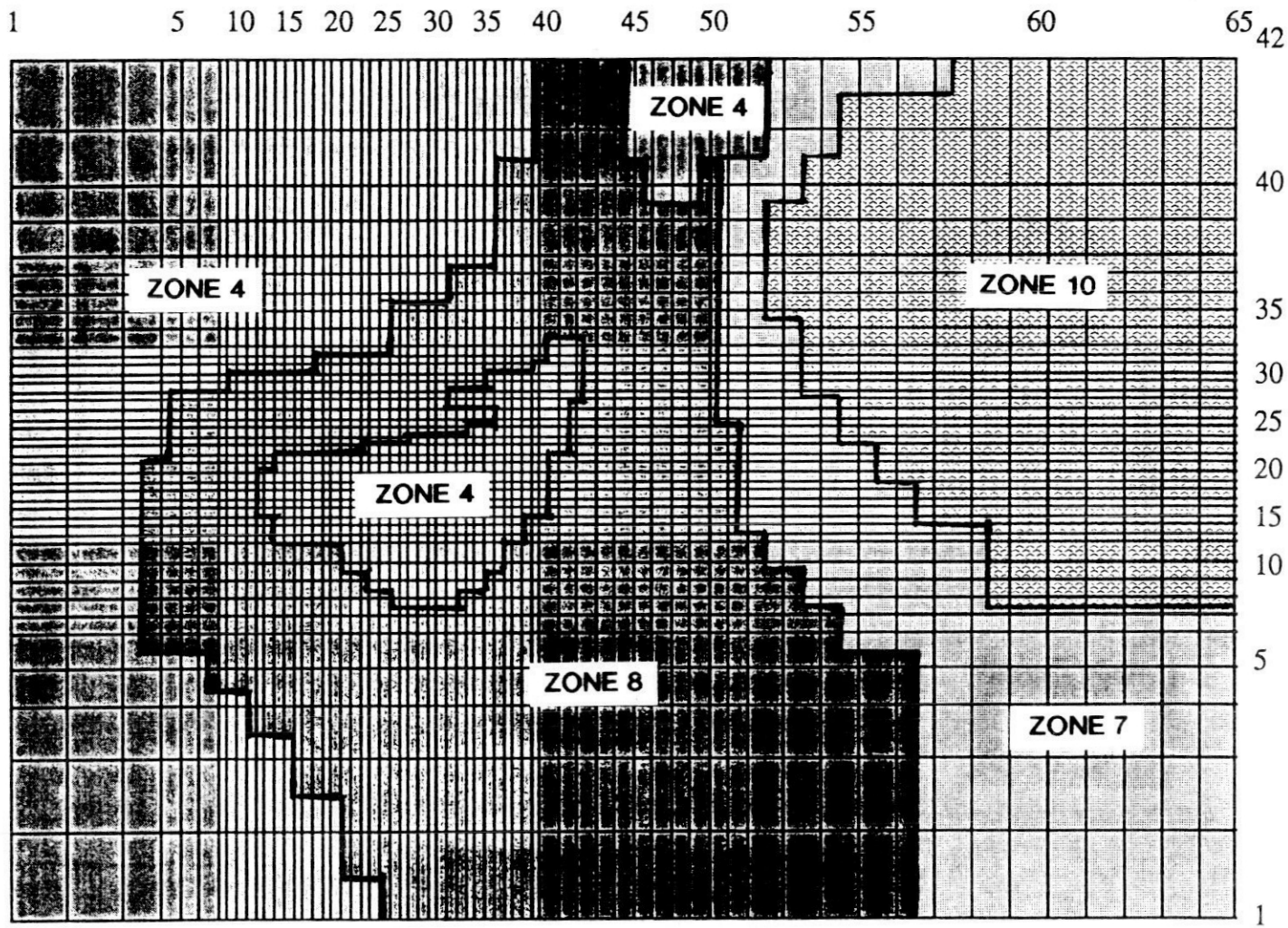

Figure H-13 Groundwater Model Hydrofacies Zone Designation, Layer 13.

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9 3 1 2 3 6 2 0 8 5 1

ZONE DESIGNATION, LAYER 14

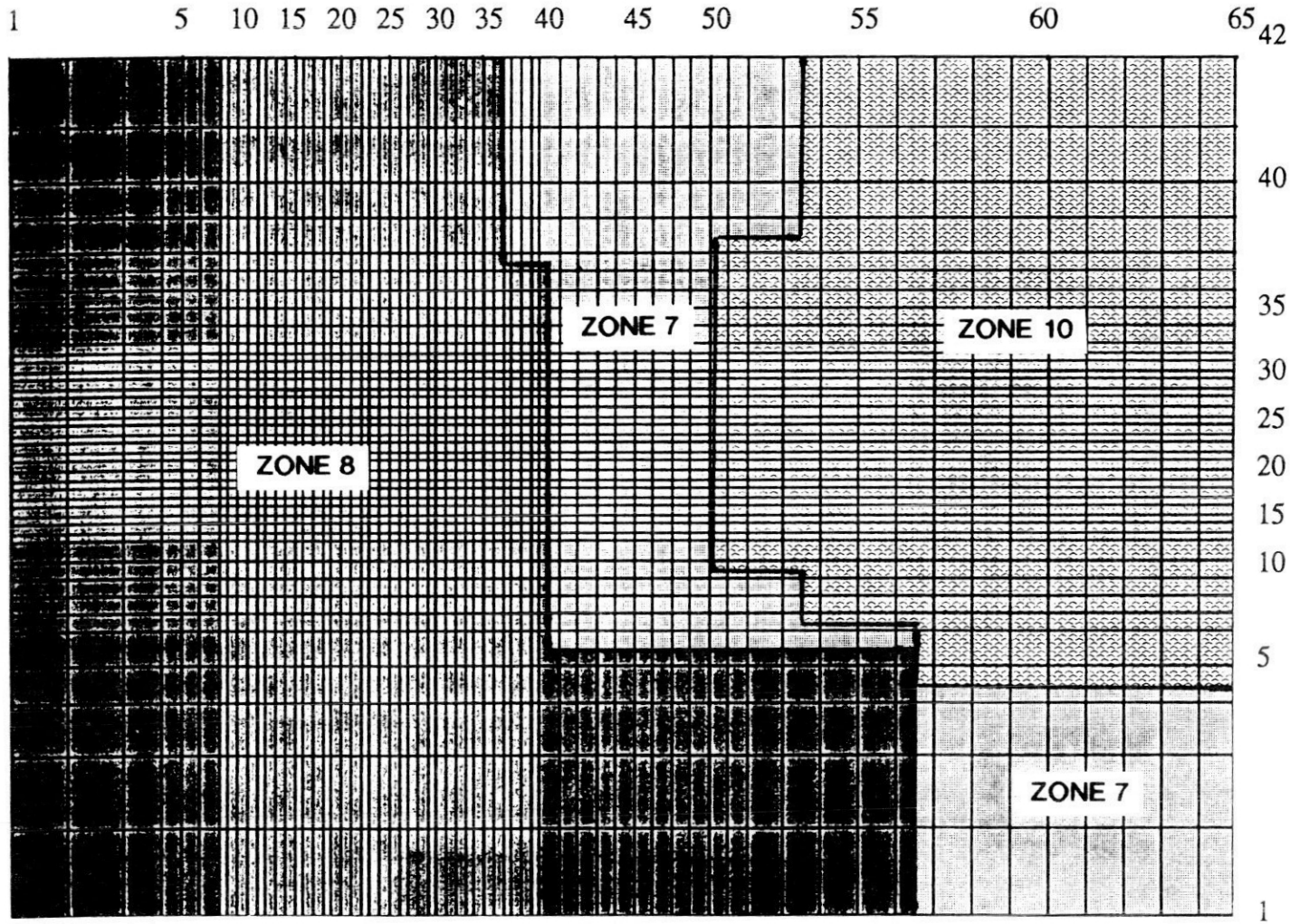

Figure H-14 Groundwater Model Hydrofacies Zone Designation, Layer 14.

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9 3 1 2 8 6 2 0 8 5 3

ZONE DESIGNATION, LAYER 15

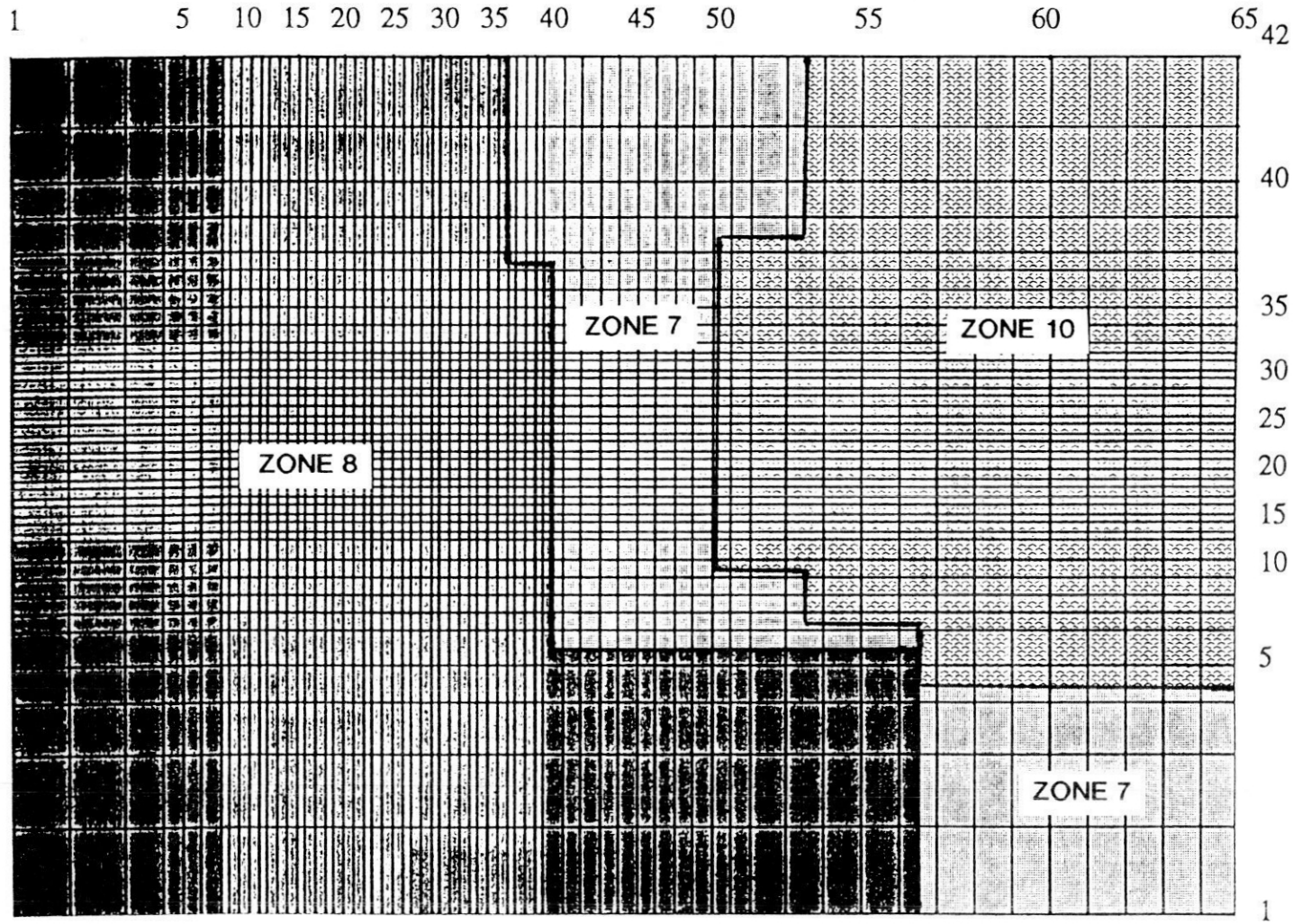

Figure H-15 Groundwater Model Hydrofacies Zone Designation, Layer 15.

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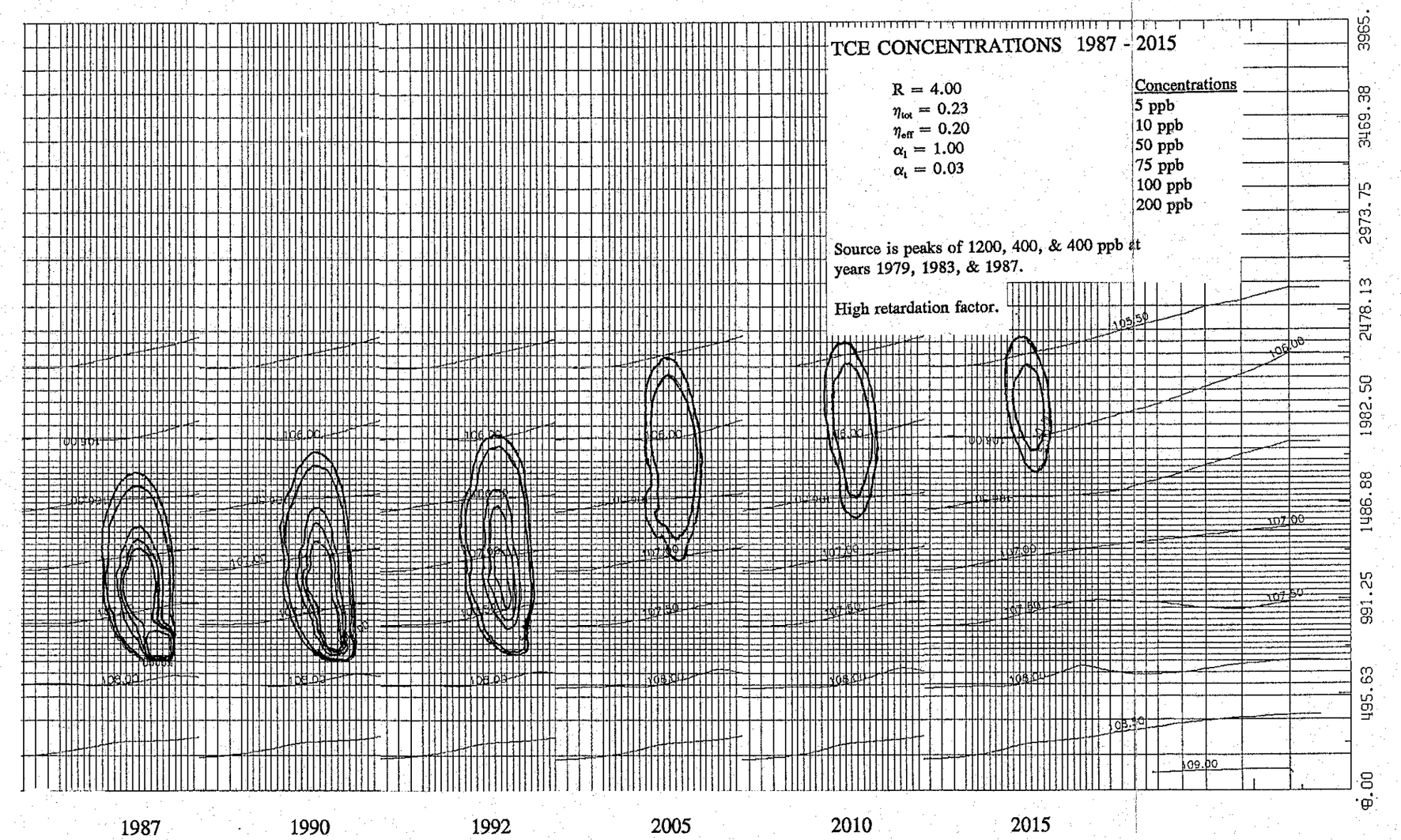
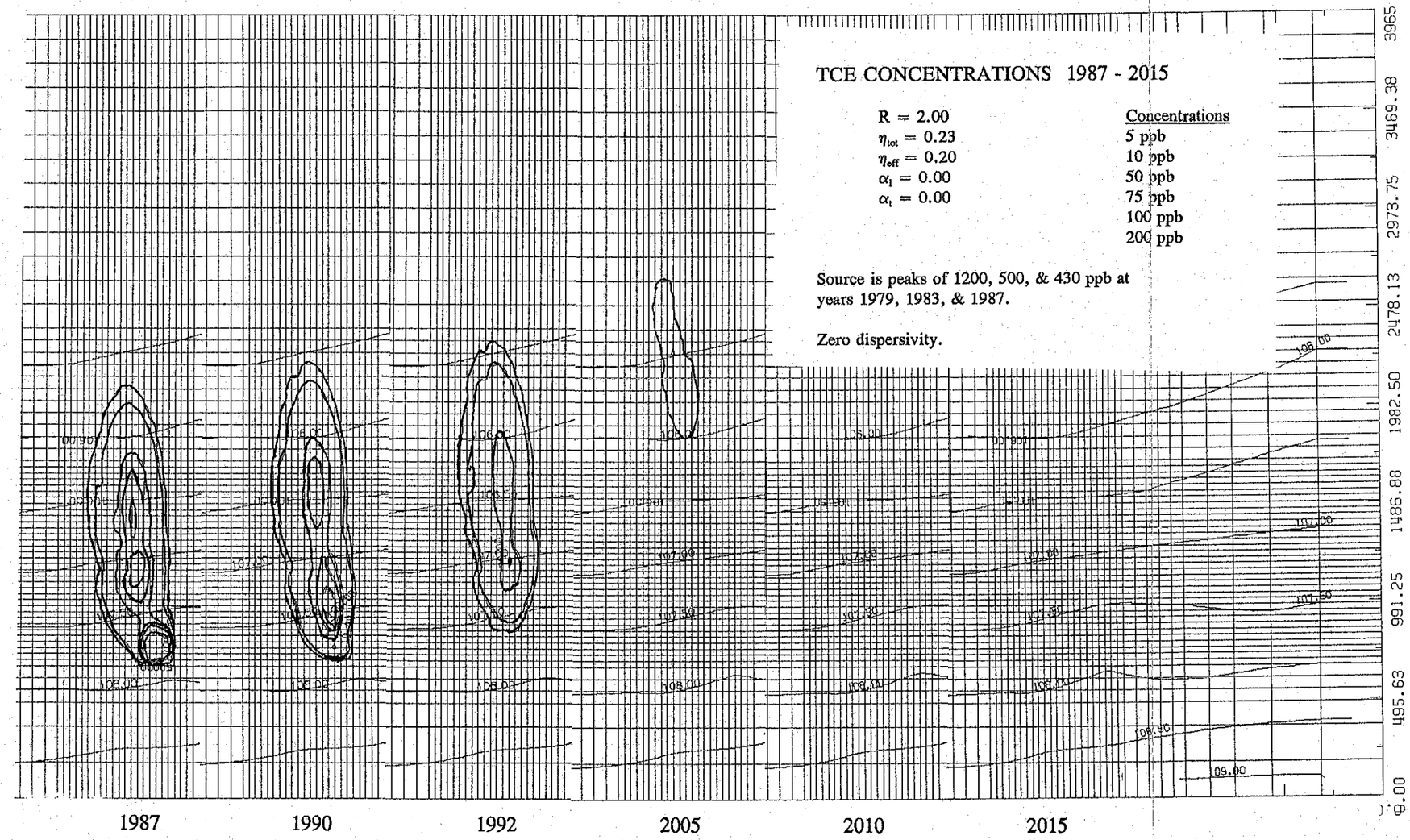
9 3 1 2 8 6 2 0 8 5 5



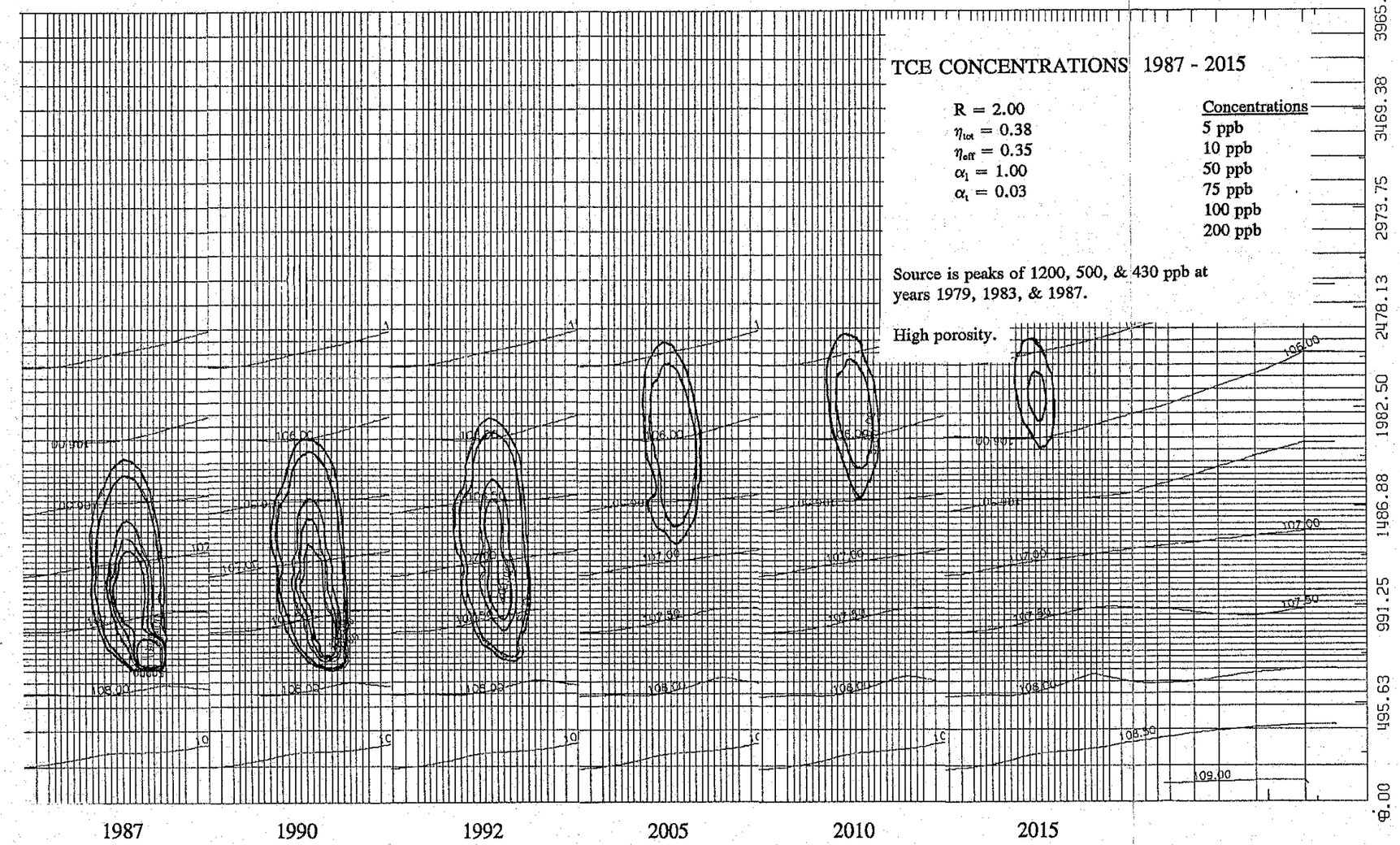
Computed TCE Plumes with Retardation Factor of 4.0.

Figure H-16



Computed TCE Plumes with No Dispersion.

Figure H-17



Computed TCE Plumes with Total Porosity of 0.38 and Effective Porosity of 0.35.

Figure H-18

9 3 1 2 8 2 0 8 5 8

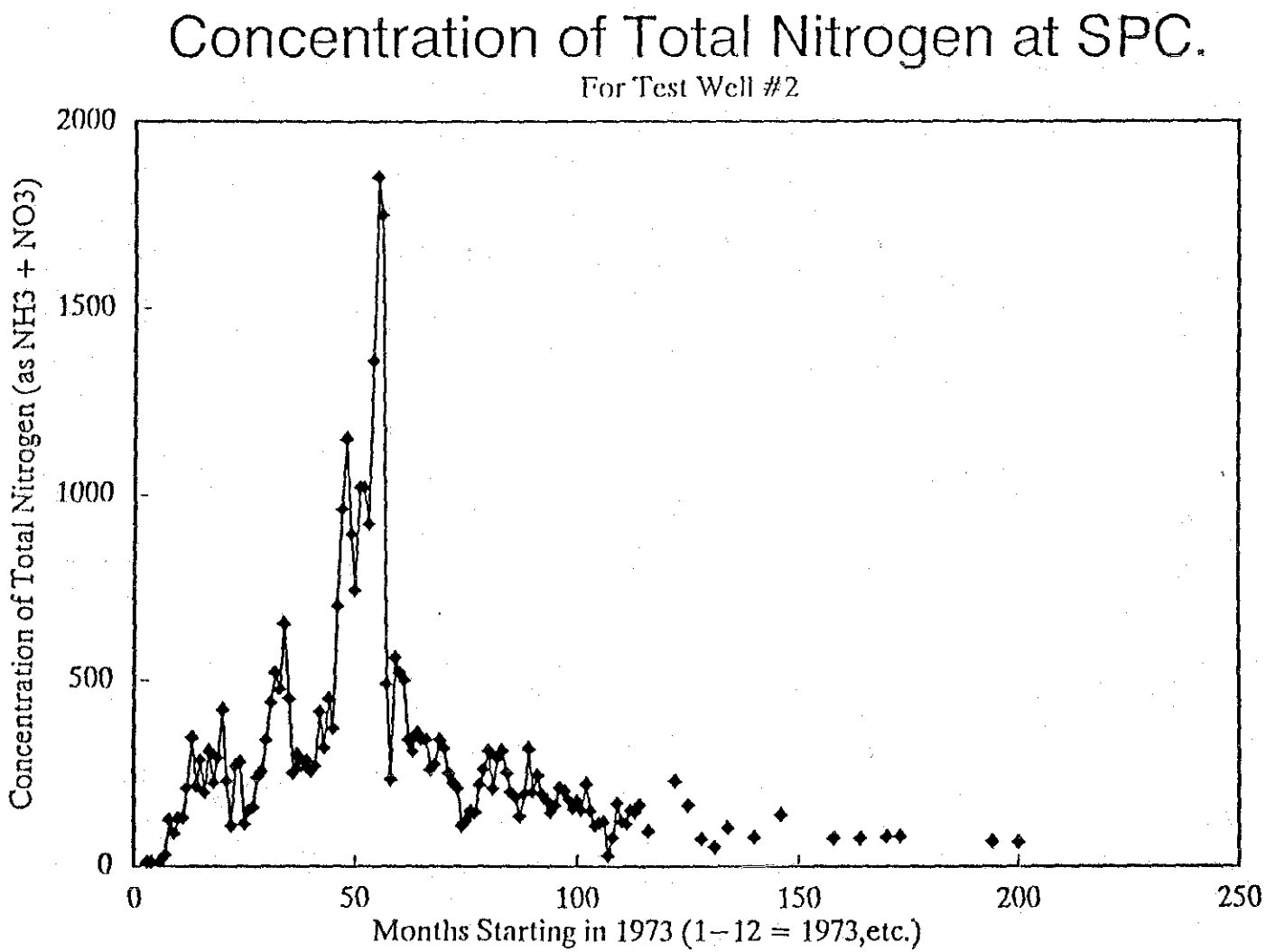


Figure H-19 Total Nitrogen Concentrations for Well TW-2.

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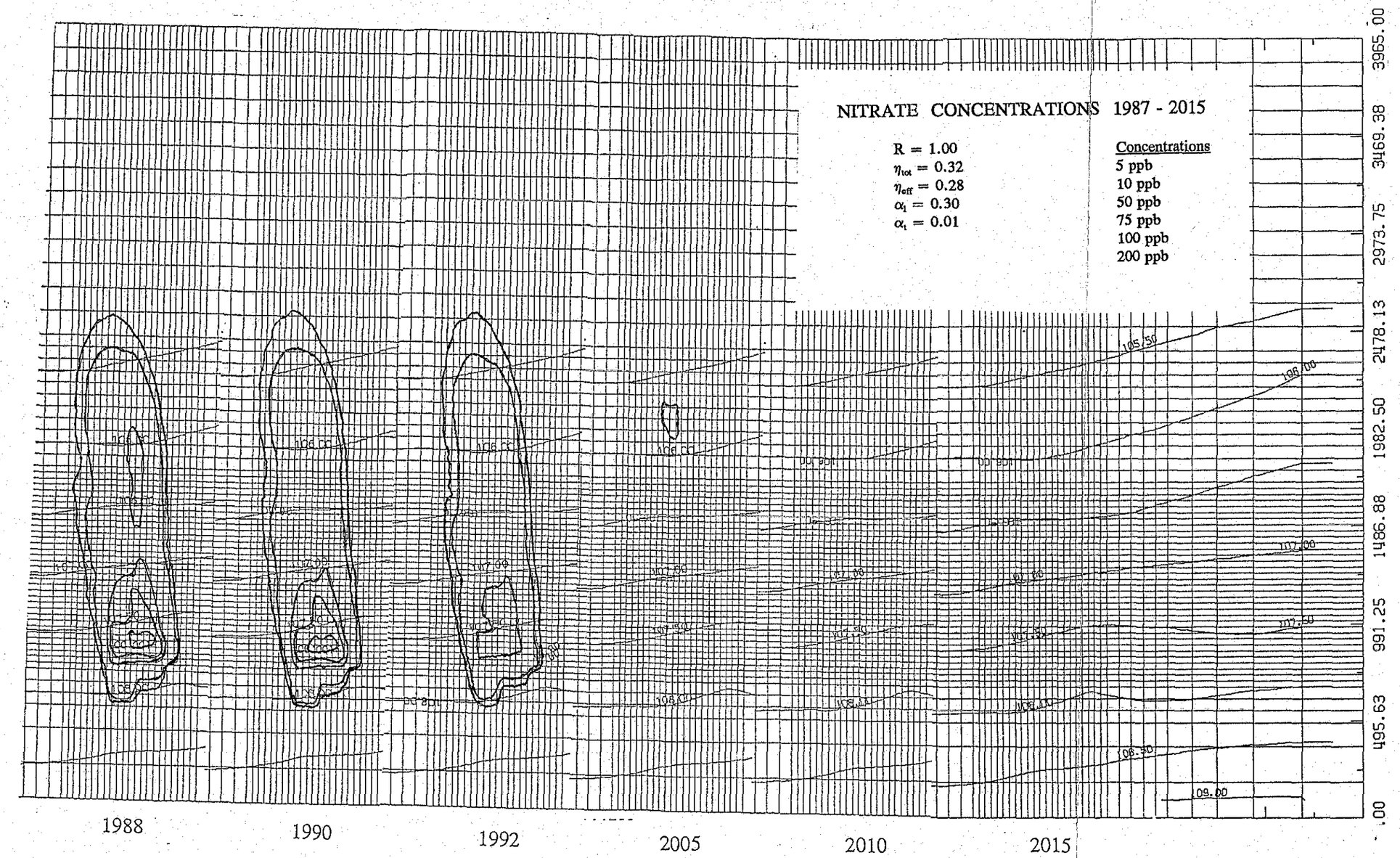
9 3 1 2 8 6 2 0 8 6 0



Computed Nitrate Plumes with Conservative Transport Parameters and No Retardation.

Figure H-20

SATURATED ZONE CONTAMINANT TRANSPORT MODEL INPUT FILE

9 3 1 2 8 1 2 0 8 6 2

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9 3 1 2 8 6 2 0 8 6 3

```
/
/       The following is a PORFLOW v-2.4 input file for modeling
/       saturated zone, TCE contaminant transport at the
/       1100-EM-1 Operable Unit, Hanford, WA.
/
/       The files 'xval.dat', 'yval.dat', 'zval.dat', and
/       'hedstrt.dat' must be in the same dir for operation
/
/
/
TITLe 1100-EM-1 Groundwater Model
USER USACE Walla Walla Dist, Environmental Engineering Br.
/Mat Johansen - (509)522-6645
/
/*************************************************GridDimensions
/
GRID is 65 x 42 x 15
/
COORdinate X values read from 'xval.dat'
COORdinate Y values read from 'yval.dat'
COORdinate Z values read from 'zval.dat'
/
/*************************************************GETINITIAL P's
/
READ # 4 from 'hedstrt.arc'
/
/*************************************************ZONEDESIGNATION
/layer 1
ZONE 1  from (1,1,1) to (65,42,1)
/layer 2
ZONE 1  from (1,1,2) to (65,42,2)
/layer 3
ZONE 1  from (1,1,3) to (65,42,3)
ZONE 5  from (23,40,3) to (50,42,3)
ZONE 5  from (27,38,3) to (48,40,3)
ZONE 5  from (28,36,3) to (48,38,3)
ZONE 5  from (30,33,3) to (46,36,3)
ZONE 5  from (33,30,3) to (46,37,3)
ZONE 5  from (33,28,3) to (44,30,3)
ZONE 5  from (35,25,3) to (44,28,3)
ZONE 5  from (35,18,3) to (42,25,3)
/layer 4
ZONE 5  from (1,1,4) to (65,42,4)
ZONE 1  from (34,1,4) to (58,3,4)
ZONE 1  from (37,3,4) to (58,4,4)
ZONE 1  from (40,4,4) to (56,7,4)
ZONE 1  from (44,7,4) to (56,10,4)
ZONE 1  from (44,10,4) to (54,15,4)
ZONE 1  from (47,15,4) to (54,24,4)
ZONE 1  from (49,24,4) to (54,31,4)
ZONE 1  from (50,31,4) to (54,34,4)
ZONE 1  from (52,34,4) to (53,40,4)
ZONE 1  from (52,1,4) to (65,42,4)
ZONE 7  from (62,32,4) to (65,36,4)
```

/layer 5
ZONE 5 from (1,1,5) to (65,42,5)
ZONE 1 from (40,1,5) to (58,2,5)
ZONE 1 from (43,2,5) to (58,4,5)
ZONE 1 from (45,4,5) to (56,7,5)
ZONE 1 from (49,7,5) to (56,10,5)
ZONE 1 from (49,10,5) to (54,15,5)
ZONE 1 from (52,15,5) to (54,24,5)
ZONE 1 from (53,24,5) to (54,34,5)
ZONE 1 from (52,40,5) to (65,42,5)
ZONE 1 from (53,1,5) to (65,42,5)
ZONE 7 from (61,35,5) to (65,38,5)
ZONE 7 from (62,30,5) to (65,35,5)
ZONE 9 from (29,19,5) to (42,35,5)
ZONE 9 from (33,21,5) to (44,31,5)
ZONE 9 from (35,18,5) to (45,27,5)
ZONE 9 from (40,11,5) to (46,22,5)
ZONE 9 from (43,9,5) to (47,18,5)
/layer 6
ZONE 5 from (1,1,6) to (65,42,6)
ZONE 4 from (48,41,6) to (65,42,6)
ZONE 4 from (50,40,6) to (65,42,6)
ZONE 4 from (52,38,6) to (65,42,6)
ZONE 4 from (53,34,6) to (65,42,6)
ZONE 4 from (54,29,6) to (65,42,6)
ZONE 4 from (55,24,6) to (65,42,6)
ZONE 4 from (56,1,6) to (65,42,6)
ZONE 4 from (51,1,6) to (65,2,6)
ZONE 4 from (53,2,6) to (65,4,6)
ZONE 4 from (54,4,6) to (65,12,6)
ZONE 5 from (57,31,6) to (58,34,6)
ZONE 5 from (57,31,6) to (59,33,6)
ZONE 5 from (56,19,6) to (58,21,6)
ZONE 7 from (59,37,6) to (65,39,6)
ZONE 7 from (60,34,6) to (65,39,6)
ZONE 7 from (61,31,6) to (65,39,6)
ZONE 7 from (62,1,6) to (65,39,6)
ZONE 9 from (26,26,6) to (29,34,6)
ZONE 9 from (29,19,6) to (42,35,6)
ZONE 9 from (32,15,6) to (44,28,6)
ZONE 9 from (35,11,6) to (46,24,6)
ZONE 9 from (39,9,6) to (47,19,6)
ZONE 9 from (41,8,6) to (48,16,6)
/layer 7
ZONE 4 from (1,1,7) to (65,42,7)
ZONE 9 from (28,10,7) to (33,33,7)
ZONE 9 from (28,10,7) to (36,26,7)
ZONE 9 from (28,10,7) to (38,16,7)
ZONE 5 from (1,1,7) to (19,2,7)
ZONE 5 from (1,2,7) to (25,3,7)
ZONE 5 from (1,3,7) to (35,4,7)
ZONE 5 from (1,4,7) to (40,8,7)
ZONE 5 from (1,8,7) to (38,10,7)
ZONE 5 from (1,8,7) to (36,13,7)

ZONE 5 from (1,8,7) to (34,16,7)
ZONE 5 from (1,8,7) to (32,18,7)
ZONE 5 from (1,8,7) to (30,22,7)
ZONE 5 from (1,8,7) to (28,33,7)
ZONE 5 from (1,33,7) to (52,38,7)
ZONE 5 from (1,33,7) to (51,39,7)
ZONE 5 from (1,33,7) to (50,40,7)
ZONE 5 from (1,33,7) to (48,42,7)
ZONE 5 from (44,32,7) to (52,38,7)
ZONE 5 from (48,25,7) to (53,34,7)
ZONE 5 from (49,20,7) to (54,30,7)
ZONE 5 from (51,13,7) to (55,21,7)
ZONE 7 from (60,1,7) to (65,16,7)
ZONE 7 from (59,5,7) to (60,8,7)
ZONE 7 from (61,16,7) to (65,34,7)
ZONE 7 from (60,34,7) to (65,39,7)
ZONE 7 from (59,36,7) to (65,39,7)
ZONE 7 from (58,38,7) to (65,40,7)
/layer 8
ZONE 4 from (1,1,8) to (65,42,8)
ZONE 5 from (1,4,8) to (10,5,8)
ZONE 5 from (1,5,8) to (25,6,8)
ZONE 5 from (1,6,8) to (33,12,8)
ZONE 5 from (1,12,8) to (30,16,8)
ZONE 5 from (1,16,8) to (26,20,8)
ZONE 5 from (1,20,8) to (25,23,8)
ZONE 5 from (1,22,8) to (21,28,8)
ZONE 5 from (1,22,8) to (19,36,8)
ZONE 5 from (1,36,8) to (21,37,8)
ZONE 5 from (1,37,8) to (23,38,8)
ZONE 5 from (1,38,8) to (29,39,8)
ZONE 5 from (1,39,8) to (46,41,8)
ZONE 5 from (1,40,8) to (45,42,8)
ZONE 5 from (41,38,8) to (48,40,8)
ZONE 5 from (50,23,8) to (52,28,8)
ZONE 5 from (51,19,8) to (53,27,8)
/
ZONE 5 from (44,33,8) to (50,38,8)
ZONE 5 from (47,25,8) to (52,35,8)
ZONE 5 from (49,23,8) to (53,30,8)
/
ZONE 7 from (59,1,8) to (65,8,8)
ZONE 7 from (60,8,8) to (65,40,8)
ZONE 7 from (59,36,8) to (65,40,8)
ZONE 7 from (58,38,8) to (65,40,8)
ZONE 7 from (57,39,8) to (65,41,8)
/layer 9
ZONE 4 from (1,1,9) to (65,42,9)
ZONE 5 from (1,5,9) to (7,7,9)
ZONE 5 from (1,7,9) to (28,16,9)
ZONE 5 from (1,16,9) to (25,20,9)
ZONE 5 from (1,20,9) to (22,25,9)
ZONE 5 from (1,25,9) to (20,29,9)
ZONE 5 from (1,29,9) to (19,38,9)

```
ZONE 5  from (1,38,9) to (24,40,9)
ZONE 5  from (1,40,9) to (46,41,9)
ZONE 5  from (1,41,9) to (44,42,9)
ZONE 5  from (41,39,9) to (46,42,9)
ZONE 5  from (50,25,9) to (52,30,9)
ZONE 5  from (51,22,9) to (53,27,9)
/
ZONE 5  from (42,36,9) to (47,39,9)
ZONE 5  from (45,32,9) to (49,37,9)
ZONE 5  from (48,28,9) to (51,34,9)
/
ZONE 7  from (56,40,9) to (65,41,9)
ZONE 7  from (57,38,9) to (65,41,9)
ZONE 7  from (58,35,9) to (65,41,9)
ZONE 7  from (59,1,9) to (65,40,9)
ZONE 7  from (58,1,9) to (65,9,9)
ZONE 10 FROM (60,20,10) TO (65,40,10)
/layer 10
ZONE 4  from (1,1,10) to (65,42,10)
ZONE 7  from (57,40,10) to (65,42,10)
ZONE 7  from (57,39,10) to (65,42,10)
ZONE 7  from (57,38,10) to (65,42,10)
ZONE 7  from (57,36,10) to (65,42,10)
ZONE 7  from (58,1,10) to (65,42,10)
ZONE 10 FROM (59,37,10) TO (65,42,10)
ZONE 10 FROM (61,10,10) TO (65,40,10)
/
/layer 11
/
ZONE 4  from (1,1,11) to (65,42,11)
ZONE 7  from (55,25,11) to (65,42,11)
/
ZONE 7  from (56,15,11) to (65,42,11)
ZONE 7  from (57,12,11) to (65,42,11)
ZONE 7  from (58,1,11) to (65,42,11)
ZONE 8  from (4,9,11) to (7,13,11)
ZONE 8  from (6,8,11) to (8,10,11)
ZONE 8  from (4,13,11) to (6,21,11)
ZONE 10 FROM (57,26,11) TO (65,42,11)
ZONE 10 FROM (58,18,11) TO (65,39,11)
ZONE 10 FROM (59,10,11) TO (65,35,11)
ZONE 10 FROM (60,4,11) TO (65,30,11)
/
/layer 12
ZONE 4  from (1,1,12) to (65,42,12)
ZONE 8  from (26,1,12) to (58,2,12)
ZONE 8  from (22,2,12) to (58,3,12)
ZONE 8  from (18,3,12) to (24,4,12)
ZONE 8  from (14,4,12) to (21,5,12)
ZONE 8  from (10,5,12) to (17,6,12)
ZONE 8  from (6,6,12) to (14,7,12)
ZONE 8  from (5,7,12) to (13,8,12)
ZONE 8  from (5,9,12) to (12,9,12)
ZONE 8  from (5,9,12) to (10,10,12)
```

```
ZONE 8  from (5,11,12) to (7,18,12)
ZONE 8  from (5,19,12) to (10,21,12)
ZONE 8  from (6,22,12) to (15,24,12)
ZONE 8  from (8,25,12) to (23,28,12)
ZONE 8  from (20,29,12) to (37,31,12)
ZONE 8  from (28,32,12) to (39,33,12)
ZONE 8  from (35,34,12) to (45,35,12)
ZONE 8  from (41,36,12) to (47,39,12)
ZONE 8  from (41,40,12) to (45,42,12)
ZONE 8  from (44,3,12) to (65,5,12)!!!
ZONE 8  from (45,5,12) to (65,7,12)!!!
ZONE 8  from (47,7,12) to (55,13,12)!!!
ZONE 8  from (49,14,12) to (55,35,12)!!!
ZONE 8  from (51,36,12) to (55,40,12)!!!
ZONE 8  from (54,40,12) to (65,42,12)!!!
ZONE 4  from (46,40,12) to (53,42,12)
ZONE 4  from (52,1,12) to (57,2,12)!!!!
ZONE 7  from (59,1,12) to (65,42,12)
ZONE 7  from (57,6,12) to (65,42,12)
ZONE 7  from (56,8,12) to (65,42,12)
ZONE 7  from (54,18,12) to (65,42,12)
ZONE 7  from (53,25,12) to (65,40,12)
ZONE 10 FROM (56,35,12) TO (65,42,12)
ZONE 10 FROM (57,28,12) TO (65,39,12)
ZONE 10 FROM (59,20,12) TO (65,35,12)
ZONE 10 FROM (60,8,12) TO (65,30,12)
/
/layer 13
/
ZONE 8  from (1,1,13) to (65,42,13)
ZONE 4  from (1,1,13) to (24,1,13)
ZONE 4  from (1,2,13) to (20,2,13)
ZONE 4  from (1,3,13) to (15,3,13)
ZONE 4  from (1,4,13) to (10,4,13)
ZONE 4  from (1,5,13) to (6,5,13)
ZONE 4  from (1,6,13) to (3,10,13)
ZONE 4  from (1,11,13) to (2,22,13)
ZONE 4  from (1,21,13) to (3,30,13)
ZONE 4  from (1,25,13) to (4,30,13)
ZONE 4  from (1,29,13) to (7,35,13)
ZONE 4  from (1,31,13) to (14,40,13)
ZONE 4  from (1,33,13) to (20,40,13)
ZONE 4  from (1,36,13) to (26,42,13)
ZONE 4  from (1,38,13) to (31,42,13)
ZONE 4  from (1,41,13) to (35,42,13)
ZONE 4  from (47,40,13) to (49,42,13)
ZONE 4  from (46,41,13) to (52,42,13)!!!!
ZONE 4  from (26,8,13) to (32,10,13)
ZONE 4  from (23,9,13) to (35,10,13)
ZONE 4  from (21,10,13) to (37,11,13)
ZONE 4  from (14,12,13) to (39,14,13)
ZONE 4  from (12,15,13) to (41,19,13)
ZONE 4  from (14,20,13) to (41,21,13)
ZONE 4  from (23,22,13) to (42,22,13)
```

```
ZONE 4  from (28,23,13) to (42,23,13)
ZONE 4  from (34,24,13) to (42,24,13)
ZONE 4  from (37,25,13) to (42,26,13)
ZONE 4  from (32,27,13) to (42,28,13)
ZONE 4  from (36,28,13) to (43,30,13)
ZONE 4  from (41,31,13) to (43,31,13)
ZONE 4  from (42,32,13) to (43,33,13)
ZONE 8  from (41,41,13) to (44,42,13)
ZONE 7  from (57,1,13) to (65,42,13)
ZONE 7  from (55,6,13) to (65,42,13)
ZONE 7  from (54,8,13) to (65,35,13)
ZONE 7  from (53,10,13) to (65,35,13)
ZONE 7  from (52,13,13) to (65,35,13)
ZONE 7  from (51,25,13) to (65,40,13)
ZONE 7  from (51,29,13) to (65,37,13)
ZONE 7  from (53,41,13) to (65,42,13)
ZONE 10 FROM (55,23,13) TO (65,41,13)
ZONE 10 FROM (53,35,13) TO (65,39,13)
ZONE 10 FROM (54,28,13) TO (65,40,13)
ZONE 10 FROM (56,18,13) TO (65,40,13)
ZONE 10 FROM (57,14,13) TO (65,40,13)
ZONE 10 FROM (59,8,13) TO (65,40,13)
/
/layer 14
/
ZONE 8  from (1,1,14) to (65,42,14)
/ZONE 4  from (1,1,14) to (2,42,14)
/ZONE 4  from (1,1,14) to (3,42,14)
/ZONE 4  from (1,28,14) to (5,33,14)
/ZONE 4  from (1,34,14) to (13,34,14)
/ZONE 4  from (1,35,14) to (19,36,14)
/ZONE 4  from (1,37,14) to (23,38,14)
/ZONE 4  from (1,39,14) to (27,39,14)
/ZONE 4  from (1,40,14) to (33,42,14)
/ZONE 4  from (18,14,14) to (25,18,14)
/ZONE 4  from (23,15,14) to (35,19,14)
ZONE 7  from (57,1,14) to (65,42,14)
ZONE 7  from (42,6,14) to (65,42,14)
ZONE 7  from (38,38,14) to (65,42,14)
ZONE 10 FROM (57,5,14) TO (65,42,14)
ZONE 10 FROM (54,7,14) TO (65,42,14)
ZONE 10 FROM (51,10,14) TO (65,38,14)
ZONE 10 FROM (55,35,14) TO (65,42,14)
/
/
/layer 15
/
ZONE 8  from (1,1,15) to (65,42,15)
/ONE 4  from (1,1,15) to (4,3,15)
/ONE 4  from (1,1,15) to (3,42,15)
/ONE 4  from (1,28,15) to (5,33,15)
/ONE 4  from (1,34,15) to (13,34,15)
/ONE 4  from (1,35,15) to (19,36,15)
/ONE 4  from (1,37,15) to (23,38,15)
```

```
/ONE 4  from (1,39,15) to (27,39,15)
/ONE 4  from (1,40,15) to (33,42,15)
/ONE 4  from (18,14,15) to (25,18,15)
/ONE 4  from (23,15,15) to (35,19,15)
ZONE 7  from (48,1,15) to (65,42,15)
ZONE 7  from (45,6,15) to (65,42,15)
ZONE 7  from (38,38,15) to (65,42,15)
/ZONE 10 FROM (57,1,15) TO (65,42,15)!@
/ZONE 10 FROM (54,6,15) TO (65,42,15)!@
/ZONE 10 FROM (42,10,15) TO (65,38,15)!@
/ZONE 10 FROM (45,35,15) TO (65,42,15)!@
/
/ global
zone 10 from (59,11,6) to (65,42,15)
zone 10 from (58,37,6) to (65,42,15)
/
/*********************************************SOILPROPERTIES
/
PROP EFFE C
/
for zone 1
HYDRualic properties; ss= 0.2, Kx= 20., Ky= 20., Kz= 1.2
SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
/
for zone 4
HYDRualic properties; ss= 0.2, Kx=  60., Ky=  60., Kz= 3.9
SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
/
for zone 5
HYDRualic properties; ss= 0.2, Kx= .01, Ky= .01, Kz= .001
SOIL density = 1850, eff porosities = .24, tot pors = .27 diffpors = .24
TRAN R=20., Dm=1.E-20, Disp(l)=0.00, Disp(t)=0.00
/
for zone 7
HYDRualic properties; ss= 0.2, Kx= 1000., Ky= 1000., Kz=  64.
SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
/
for zone 8
HYDRualic properties; ss= 0.2, Kx= 500., Ky= 500., Kz= 13.7
SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
/
for zone 9
HYDRualic properties; ss= 0.2, Kx= .05, Ky= .05, Kz= .005
SOIL density = 1850, eff porosities = .24, tot pors = .27 diffpors = .24
TRAN R=20., Dm=1.E-20, Disp(l)=0.00, Disp(t)=0.00
/
for zone 10
HYDRualic properties; ss= 0.2, Kx= 5000., Ky= 5000., Kz= 50.
SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
```

```
/
/*************************************************BOUNDARYCONDITIONS
/
/        constant heads for upgradient boundary
/
BOUNdary for P: -1; = 109.00     for (1,1,4) to (1,42,15)
BOUNdary for P: -1; = 108.70     for (1,26,4) to (1,42,15)
BOUNdary for P: -1; = 109.20     for (1,1,4) to (1,10,15)
BOUNdary for P: -1; = 110.70     for (1,1,1) to (1,42,3)
/
/ assign constant hydraulic flux for north and south boundaries
/
BOUNdary for P: +2; FLUX = 0.0  !!! for (2,42,1) to (64,42,15)
BOUNdary for P: +2; = 104.70 for (59,42,4) to (62,42,15)
BOUNdary for P: +2; = 104.70 for (63,42,4) to (64,42,15)
BOUNdary for P: +2; = 104.99 for (59,42,1) to (64,42,3)
BOUNdary for P: -2; FLUX = 0.0 !!! for (2,1,1) to (64,1,15)
BOUNdary for P: -2; FLUX = 0.05 for (12,1,5) to (42,1,10)
BOUNdary for P: -2; FLUX = 0.12 for (42,1,5) to (53,1,10)
BOUNdary for P: -2; FLUX = 0.45 for (53,1,5) to (57,1,10)
/
/ assign constant hydraulic flux for upper and lower boundaries
/
BOUNdary for P: +3; FLUX =-1.0E-5 all
BOUNdary for P: -3; FLUX = 0.0005    all
/
/*************************************************INITIALCONDITIONS
/
/        river boundary
/
FIXEd P from (57,1,1) to (65,1,15)
FIXEd P from (57,2,1) to (65,2,15)
FIXEd P from (59,3,1) to (65,3,15)
FIXEd P from (60,4,1) to (65,4,15)
FIXEd P from (61,5,1) to (65,6,15)
FIXEd P from (61,7,1) to (65,9,15)
FIXEd P from (61,10,1) to (65,12,15)
FIXEd P from (61,13,1) to (65,15,15)
FIXEd P from (62,16,1) to (65,18,15)
FIXEd P from (62,19,1) to (65,21,15)
FIXEd P from (62,22,1) to (65,24,15)
FIXEd P from (62,25,1) to (65,27,15)
FIXEd P from (62,28,1) to (65,31,15)
FIXEd P from (63,32,1) to (65,33,15)
FIXEd P from (64,34,1) to (65,35,15)
FIXEd P  from (65,36,1) to (65,42,15)
/
/*************************************************SOURCE
/ see initial C commands below
/*************************************************OUTPUT& SOLUTION
/
OUTput c in XY plane every 5000 steps
/
TIME = 0 at start of simulation
```

```
FLUX Bala C for 2 2 2 to 64 41 15 every 10
HIST C 'c:\pf\3z40.his'(10,17,10)(24,19,10)(36,21,10)(10,17,11) 1
/
convergence epsilon to 1.e-5
/
SOLVE for 1000 days in steps of 250 1.08 max of 1000
INITial C = 1100 from (8,15,10) to (11,20,12)
SOLVE for 1500 days in steps of 250 1.08 max of 1000
/save P,C on file 'c:\pfo\3z402500.arc' NOW
INITial C =  380 from (8,15,10) to (11,20,12)
/
SOLVE for 1650 days in steps of 215 1.08 max of 1000!!!4150
/save P,C on file 'c:\pfo\3z404150.arc' NOW
INITial C =  400 from (8,15,10) to (11,18,12)
/
SOLVE for 150  days in steps of 25 1.08 max of 1000!!!4300
save P,C on file 'c:\pfo\3z401987.arc' NOW
/
SOLVE for 813 days in steps of  55 1.08 max of 1000!!!5113
save P,C on file 'c:\pfo\3z401990.arc' NOW
/
SOLVE for 365 days in steps of 55 1.08 max of 1000!!!5478
/save P,C on file 'c:\pfo\3z401991.arc' NOW
/
SOLVE for 522 days in steps of 225 1.08 max of 1000!!!6000
save P,C on file 'c:\pfo\3z401992.arc' NOW
/
SOLVE for 2190 days in steps of 225 1.08 max of 1000!!!8190
save P,C on file 'c:\pfo\3z401998.arc' NOW
/
SOLVE for 2555 days in steps of 225 1.08 max of 1000!!!10745
save P,C on file 'c:\pfo\3z402005.arc' NOW
/
SOLVE for 1826 days in steps of 225 1.08 max of 1000!!!12571
save P,C on file 'c:\pfo\3z402010.arc' NOW
/
SOLVE for 1826 days in steps of  225 1.08 max of 1000!!!14397
save P,C on file 'c:\pfo\3z402015.arc' NOW
/
SOLVE for 1826 days in steps of  225 1.08 max of 1000!!!16223
save P,C on file 'c:\pfo\3z402020.arc' NOW
end
quit
/*****************************************************END
```

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9312950873

SATURATED ZONE CONTAMINANT TRANSPORT MODEL OUTPUT FILE

7312820874

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7 3 1 2 3 6 2 0 9 7 5

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1*****************************************************************************

        THIS OUTPUT IS PRODUCED BY THE COMPUTATIONAL MODEL

        ----------P O R F L O W - 3 D ----------

          FOR TRANSIENT OR STEADY STATE ANALYSIS OF
        FLOW, HEAT AND MULTI-COMPONENT MASS TRANSPORT
       IN VARIABLY SATURATED POROUS OR FRACTURED MEDIA

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        FOR ENQIRIES AND ASSISTANCE: CALL 310-471-3023 USA

          VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
       DATE OF RUN: 10/20/92  -  TIME OF RUN: 12:37:28.1

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*****************************************************************************

--------------------------------------------------------------------------
RECORD OF INPUT DATA STREAM
--------------------------------------------------------------------------
** RECORD NO.  1 COMMENT ******* /
** RECORD NO.  2 COMMENT ******* /     The following is a PORFLOW v-2.4 input file for modeling
** RECORD NO.  3 COMMENT ******* /     saturated zone, TCE contaminant transport at the
** RECORD NO.  4 COMMENT ******* /     1100-EM-1 Operable Unit, Hanford, WA.
** RECORD NO.  5 COMMENT ******* /
** RECORD NO.  6 COMMENT ******* /     The files 'xval.dat', 'yval.dat', 'zval.dat', and
** RECORD NO.  7 COMMENT ******* /     'hedstrt.dat' must be in the same dir for operation
** RECORD NO.  8 COMMENT ******* /
** RECORD NO.  9 COMMENT ******* /
** RECORD NO. 10 COMMENT ******* /
** RECORD NO. 11 KEYWORD ******* TITLe 1100-EM-1 Groundwater Model


==========================================================================
====
****WARNING:  INVALID STRUCTURE FOR NUMERIC DATA.  DATA STRING BELOW IGNORED.
        1100-EM-1

==========================================================================
====


** RECORD NO. 12 KEYWORD ******* USER USACE Walla Walla Dist, Environmental Engineering Br.
** RECORD NO. 13 COMMENT ******* /Mat Johansen - (509)522-6645
** RECORD NO. 14 COMMENT ******* /
** RECORD NO. 15 COMMENT ******* /**************************************************GriDimensions
** RECORD NO. 16 COMMENT ******* /
** RECORD NO. 17 KEYWORD ******* GRID is 65 x 42 x 15
** RECORD NO. 18 COMMENT ******* /
** RECORD NO. 19 KEYWORD ******* COORdinate X values read from 'xval.dat'
```

```
======> UNIT 10 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: xval.dat

** RECORD NO. 20 KEYWORD ******* COORdinate Y values read from 'yval.dat'

======> UNIT 10 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: yval.dat

** RECORD NO. 21 KEYWORD ******* COORdinate Z values read from 'zval.dat'
** RECORD NO. 22 COMMENT ******* /
** RECORD NO. 23 COMMENT ******* /**************************************************GEINITIAL P's
** RECORD NO. 24 COMMENT ******* /

======> UNIT 10 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: zval.dat

** RECORD NO. 25 KEYWORD ******* READ # 4 from 'hedstrt.arc'
** RECORD NO. 26 COMMENT ******* /
** RECORD NO. 27 COMMENT ******* /**************************************************ZONBESIGNATION
** RECORD NO. 28 COMMENT ******* /layer 1

======> UNIT 11 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: hedstrt.arc


      <---- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 11---->


ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 07/04/92
TIME OF GENERATION ..... : 18:52:19.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ..... :    65 BY  42 BY  15


      ---> SIMULATION TIME OF STORED DATA:    1.000E+30
      ---> STEP NUMBER AT WHICH GENERATED:  6520

      ---> READING VARIABLE: P   - PRESSURE OR PRESSURE HEAD

==========================================================================
====
     END-OF-FILE REACHED ON FILE UNIT # 11; LAST RECORD READ AFTER REWINDING.

==========================================================================
====


      <---- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 11---->


ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 07/04/92
TIME OF GENERATION ..... : 18:52:19.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ..... :    65 BY  42 BY  15


      ---> SIMULATION TIME OF STORED DATA:    1.000E+30
      ---> STEP NUMBER AT WHICH GENERATED:  6520

      ---> READING VARIABLE: P   - PRESSURE OR PRESSURE HEAD

      ====>.DATA SET NUMBER:   1 READ FROM  hedstrt.arc

** RECORD NO. 29 KEYWORD ******* ZONE 1  from (1,1,1) to (65,42,1)
** RECORD NO. 30 COMMENT ******* /layer 2
** RECORD NO. 31 KEYWORD ******* ZONE 1  from (1,1,2) to (65,42,2)
** RECORD NO. 32 COMMENT ******* /layer 3
** RECORD NO. 33 KEYWORD ******* ZONE 1  from (1,1,3) to (65,42,3)
** RECORD NO. 34 KEYWORD ******* ZONE 5  from (23,40,3) to (50,42,3)
** RECORD NO. 35 KEYWORD ******* ZONE 5  from (27,38,3) to (48,40,3)
** RECORD NO. 36 KEYWORD ******* ZONE 5  from (28,36,3) to (48,38,3)
** RECORD NO. 37 KEYWORD ******* ZONE 5  from (30,33,3) to (46,36,3)
** RECORD NO. 38 KEYWORD ******* ZONE 5  from (33,30,3) to (46,37,3)
** RECORD NO. 39 KEYWORD ******* ZONE 5  from (33,28,3) to (44,30,3)
** RECORD NO. 40 KEYWORD ******* ZONE 5  from (35,25,3) to (44,28,3)
** RECORD NO. 41 KEYWORD ******* ZONE 5  from (35,18,3) to (42,25,3)
** RECORD NO. 42 COMMENT ******* /layer 4
** RECORD NO. 43 KEYWORD ******* ZONE 5  from (1,1,4) to (65,42,4)
** RECORD NO. 44 KEYWORD ******* ZONE 1  from (34,1,4) to (58,3,4)
** RECORD NO. 45 KEYWORD ******* ZONE 1  from (37,3,4) to (58,4,4)
** RECORD NO. 46 KEYWORD ******* ZONE 1  from (40,4,4) to (56,7,4)
** RECORD NO. 47 KEYWORD ******* ZONE 1  from (44,7,4) to (56,10,4)
** RECORD NO. 48 KEYWORD ******* ZONE 1  from (44,10,4) to (54,15,4)
** RECORD NO. 49 KEYWORD ******* ZONE 1  from (47,15,4) to (54,24,4)
** RECORD NO. 50 KEYWORD ******* ZONE 1  from (49,24,4) to (54,31,4)
** RECORD NO. 51 KEYWORD ******* ZONE 1  from (50,31,4) to (54,34,4)
** RECORD NO. 52 KEYWORD ******* ZONE 1  from (52,34,4) to (53,40,4)
```

```
** RECORD NO. 53 KEYWORD ******* ZONE 1  from (52,1,4) to (65,42,4)
** RECORD NO. 54 KEYWORD ******* ZONE 7  from (62,32,4) to (65,36,4)
** RECORD NO. 55 COMMENT ******* /layer 5
** RECORD NO. 56 KEYWORD ******* ZONE 5  from (1,1,5) to (65,42,5)
** RECORD NO. 57 KEYWORD ******* ZONE 1  from (40,1,5) to (58,2,5)
** RECORD NO. 58 KEYWORD ******* ZONE 1  from (43,2,5) to (58,4,5)
** RECORD NO. 59 KEYWORD ******* ZONE 1  from (45,4,5) to (56,7,5)
** RECORD NO. 60 KEYWORD ******* ZONE 1  from (49,7,5) to (56,10,5)
** RECORD NO. 61 KEYWORD ******* ZONE 1  from (49,10,5) to (54,15,5)
** RECORD NO. 62 KEYWORD ******* ZONE 1  from (52,15,5) to (54,24,5)
** RECORD NO. 63 KEYWORD ******* ZONE 1  from (53,24,5) to (54,34,5)
** RECORD NO. 64 KEYWORD ******* ZONE 1  from (52,40,5) to (65,42,5)
** RECORD NO. 65 KEYWORD ******* ZONE 1  from (53,1,5) to (65,42,5)
** RECORD NO. 66 KEYWORD ******* ZONE 7  from (61,35,5) to (65,38,5)
** RECORD NO. 67 KEYWORD ******* ZONE 7  from (62,30,5) to (65,35,5)
** RECORD NO. 68 KEYWORD ******* ZONE 9  from (29,19,5) to (42,35,5)
** RECORD NO. 69 KEYWORD ******* ZONE 9  from (33,21,5) to (44,31,5)
** RECORD NO. 70 KEYWORD ******* ZONE 9  from (35,18,5) to (45,27,5)
** RECORD NO. 71 KEYWORD ******* ZONE 9  from (40,11,5) to (46,22,5)
** RECORD NO. 72 KEYWORD ******* ZONE 9  from (43,9,5) to (47,18,5)
** RECORD NO. 73 COMMENT ******* /layer 6
** RECORD NO. 74 KEYWORD ******* ZONE 5  from (1,1,6) to (65,42,6)
** RECORD NO. 75 KEYWORD ******* ZONE 4  from (48,41,6) to (65,42,6)
** RECORD NO. 76 KEYWORD ******* ZONE 4  from (50,40,6) to (65,42,6)
** RECORD NO. 77 KEYWORD ******* ZONE 4  from (52,38,6) to (65,42,6)
** RECORD NO. 78 KEYWORD ******* ZONE 4  from (53,34,6) to (65,42,6)
** RECORD NO. 79 KEYWORD ******* ZONE 4  from (54,29,6) to (65,42,6)
** RECORD NO. 80 KEYWORD ******* ZONE 4  from (55,24,6) to (65,42,6)
** RECORD NO. 81 KEYWORD ******* ZONE 4  from (56,1,6) to (65,42,6)
** RECORD NO. 82 KEYWORD ******* ZONE 4  from (51,1,6) to (65,2,6)
** RECORD NO. 83 KEYWORD ******* ZONE 4  from (53,2,6) to (65,4,6)
** RECORD NO. 84 KEYWORD ******* ZONE 4  from (54,4,6) to (65,12,6)
** RECORD NO. 85 KEYWORD ******* ZONE 5  from (57,31,6) to (58,34,6)
** RECORD NO. 86 KEYWORD ******* ZONE 5  from (57,31,6) to (59,33,6)
** RECORD NO. 87 KEYWORD ******* ZONE 5  from (56,19,6) to (58,21,6)
** RECORD NO. 88 KEYWORD ******* ZONE 7  from (59,37,6) to (65,39,6)
** RECORD NO. 89 KEYWORD ******* ZONE 7  from (60,34,6) to (65,39,6)
** RECORD NO. 90 KEYWORD ******* ZONE 7  from (61,31,6) to (65,39,6)
** RECORD NO. 91 KEYWORD ******* ZONE 7  from (62,1,6) to (65,39,6)
** RECORD NO. 92 KEYWORD ******* ZONE 9  from (26,26,6) to (29,34,6)
** RECORD NO. 93 KEYWORD ******* ZONE 9  from (29,19,6) to (42,35,6)
** RECORD NO. 94 KEYWORD ******* ZONE 9  from (32,15,6) to (44,28,6)
** RECORD NO. 95 KEYWORD ******* ZONE 9  from (35,11,6) to (46,24,6)
** RECORD NO. 96 KEYWORD ******* ZONE 9  from (39,9,6) to (47,19,6)
** RECORD NO. 97 KEYWORD ******* ZONE 9  from (41,8,6) to (48,16,6)
** RECORD NO. 98 COMMENT ******* /layer 7
** RECORD NO. 99 KEYWORD ******* ZONE 4  from (1,1,7) to (65,42,7)
** RECORD NO.100 KEYWORD ******* ZONE 9  from (28,10,7) to (33,33,7)
** RECORD NO.101 KEYWORD ******* ZONE 9  from (28,10,7) to (36,26,7)
** RECORD NO.102 KEYWORD ******* ZONE 9  from (28,10,7) to (38,16,7)
** RECORD NO.103 KEYWORD ******* ZONE 5  from (1,1,7) to (19,2,7)
** RECORD NO.104 KEYWORD ******* ZONE 5  from (1,2,7) to (25,3,7)
** RECORD NO.105 KEYWORD ******* ZONE 5  from (1,3,7) to (35,4,7)
** RECORD NO.106 KEYWORD ******* ZONE 5  from (1,4,7) to (40,8,7)
** RECORD NO.107 KEYWORD ******* ZONE 5  from (1,8,7) to (38,10,7)
** RECORD NO.108 KEYWORD ******* ZONE 5  from (1,8,7) to (36,13,7)
** RECORD NO.109 KEYWORD ******* ZONE 5  from (1,8,7) to (34,16,7)
** RECORD NO.110 KEYWORD ******* ZONE 5  from (1,8,7) to (32,18,7)
** RECORD NO.111 KEYWORD ******* ZONE 5  from (1,8,7) to (30,22,7)
** RECORD NO.112 KEYWORD ******* ZONE 5  from (1,8,7) to (28,33,7)
** RECORD NO.113 KEYWORD ******* ZONE 5  from (1,33,7) to (52,38,7)
** RECORD NO.114 KEYWORD ******* ZONE 5  from (1,33,7) to (51,39,7)
** RECORD NO.115 KEYWORD ******* ZONE 5  from (1,33,7) to (50,40,7)
** RECORD NO.116 KEYWORD ******* ZONE 5  from (1,33,7) to (48,42,7)
** RECORD NO.117 KEYWORD ******* ZONE 5  from (44,32,7) to (52,38,7)
** RECORD NO.118 KEYWORD ******* ZONE 5  from (48,25,7) to (53,34,7)
** RECORD NO.119 KEYWORD ******* ZONE 5  from (49,20,7) to (54,30,7)
** RECORD NO.120 KEYWORD ******* ZONE 5  from (51,13,7) to (55,21,7)
** RECORD NO.121 KEYWORD ******* ZONE 7  from (60,1,7) to (65,16,7)
** RECORD NO.122 KEYWORD ******* ZONE 7  from (59,5,7) to (60,8,7)
** RECORD NO.123 KEYWORD ******* ZONE 7  from (61,16,7) to (65,34,7)
** RECORD NO.124 KEYWORD ******* ZONE 7  from (60,34,7) to (65,39,7)
** RECORD NO.125 KEYWORD ******* ZONE 7  from (59,36,7) to (65,39,7)
** RECORD NO.126 KEYWORD ******* ZONE 7  from (58,38,7) to (65,40,7)
** RECORD NO.127 COMMENT ******* /layer 8
** RECORD NO.128 KEYWORD ******* ZONE 4  from (1,1,8) to (65,42,8)
** RECORD NO.129 KEYWORD ******* ZONE 5  from (1,4,8) to (10,5,8)
** RECORD NO.130 KEYWORD ******* ZONE 5  from (1,5,8) to (25,6,8)
** RECORD NO.131 KEYWORD ******* ZONE 5  from (1,6,8) to (33,12,8)
** RECORD NO.132 KEYWORD ******* ZONE 5  from (1,12,8) to (30,16,8)
** RECORD NO.133 KEYWORD ******* ZONE 5  from (1,16,8) to (26,20,8)
** RECORD NO.134 KEYWORD ******* ZONE 5  from (1,20,8) to (25,23,8)
** RECORD NO.135 KEYWORD ******* ZONE 5  from (1,22,8) to (21,28,8)
** RECORD NO.136 KEYWORD ******* ZONE 5  from (1,22,8) to (19,36,8)
** RECORD NO.137 KEYWORD ******* ZONE 5  from (1,36,8) to (21,37,8)
** RECORD NO.138 KEYWORD ******* ZONE 5  from (1,37,8) to (23,38,8)
** RECORD NO.139 KEYWORD ******* ZONE 5  from (1,38,8) to (29,39,8)
** RECORD NO.140 KEYWORD ******* ZONE 5  from (1,39,8) to (46,41,8)
** RECORD NO.141 KEYWORD ******* ZONE 5  from (1,40,8) to (45,42,8)
** RECORD NO.142 KEYWORD ******* ZONE 5  from (41,38,8) to (48,40,8)
```

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** RECORD NO.143 KEYWORD ******* ZONE 5  from (50,23,8) to (52,28,8)
** RECORD NO.144 KEYWORD ******* ZONE 5  from (51,19,8) to (53,27,8)
** RECORD NO.145 COMMENT ******* /
** RECORD NO.146 KEYWORD ******* ZONE 5  from (44,33,8) to (50,38,8)
** RECORD NO.147 KEYWORD ******* ZONE 5  from (47,25,8) to (52,35,8)
** RECORD NO.148 KEYWORD ******* ZONE 5  from (49,23,8) to (53,30,8)
** RECORD NO.149 COMMENT ******* /
** RECORD NO.150 KEYWORD ******* ZONE 7  from (59,1,8) to (65,8,8)
** RECORD NO.151 KEYWORD ******* ZONE 7  from (60,8,8) to (65,40,8)
** RECORD NO.152 KEYWORD ******* ZONE 7  from (59,36,8) to (65,40,8)
** RECORD NO.153 KEYWORD ******* ZONE 7  from (58,38,8) to (65,40,8)
** RECORD NO.154 KEYWORD ******* ZONE 7  from (57,39,8) to (65,41,8)
** RECORD NO.155 COMMENT ******* /layer 9
** RECORD NO.156 KEYWORD ******* ZONE 4  from (1,1,9) to (65,42,9)
** RECORD NO.157 KEYWORD ******* ZONE 5  from (1,5,9) to (7,7,9)
** RECORD NO.158 KEYWORD ******* ZONE 5  from (1,7,9) to (28,16,9)
** RECORD NO.159 KEYWORD ******* ZONE 5  from (1,16,9) to (25,20,9)
** RECORD NO.160 KEYWORD ******* ZONE 5  from (1,20,9) to (22,25,9)
** RECORD NO.161 KEYWORD ******* ZONE 5  from (1,25,9) to (20,29,9)
** RECORD NO.162 KEYWORD ******* ZONE 5  from (1,29,9) to (19,38,9)
** RECORD NO.163 KEYWORD ******* ZONE 5  from (1,38,9) to (24,40,9)
** RECORD NO.164 KEYWORD ******* ZONE 5  from (1,40,9) to (46,41,9)
** RECORD NO.165 KEYWORD ******* ZONE 5  from (1,41,9) to (44,42,9)
** RECORD NO.166 KEYWORD ******* ZONE 5  from (41,39,9) to (46,42,9)
** RECORD NO.167 KEYWORD ******* ZONE 5  from (50,25,9) to (52,30,9)
** RECORD NO.168 KEYWORD ******* ZONE 5  from (51,22,9) to (53,27,9)
** RECORD NO.169 COMMENT ******* /
** RECORD NO.170 KEYWORD ******* ZONE 5  from (42,36,9) to (47,39,9)
** RECORD NO.171 KEYWORD ******* ZONE 5  from (45,32,9) to (49,37,9)
** RECORD NO.172 KEYWORD ******* ZONE 5  from (48,28,9) to (51,34,9)
** RECORD NO.173 COMMENT ******* /
** RECORD NO.174 KEYWORD ******* ZONE 7  from (56,40,9) to (65,41,9)
** RECORD NO.175 KEYWORD ******* ZONE 7  from (57,38,9) to (65,41,9)
** RECORD NO.176 KEYWORD ******* ZONE 7  from (58,35,9) to (65,41,9)
** RECORD NO.177 KEYWORD ******* ZONE 7  from (59,1,9) to (65,40,9)
** RECORD NO.178 KEYWORD ******* ZONE 7  from (58,1,9) to (65,9,9)
** RECORD NO.179 KEYWORD ******* ZONE 10 FROM (60,20,10) TO (65,40,10)
** RECORD NO.180 COMMENT ******* /layer 10
** RECORD NO.181 KEYWORD ******* ZONE 4  from (1,1,10) to (65,42,10)
** RECORD NO.182 KEYWORD ******* ZONE 7  from (57,40,10) to (65,42,10)
** RECORD NO.183 KEYWORD ******* ZONE 7  from (57,39,10) to (65,42,10)
** RECORD NO.184 KEYWORD ******* ZONE 7  from (57,38,10) to (65,42,10)
** RECORD NO.185 KEYWORD ******* ZONE 7  from (57,36,10) to (65,42,10)
** RECORD NO.186 KEYWORD ******* ZONE 7  from (58,1,10) to (65,42,10)
** RECORD NO.187 KEYWORD ******* ZONE 10 FROM (59,37,10) TO (65,42,10)
** RECORD NO.188 KEYWORD ******* ZONE 10 FROM (61,10,10) TO (65,40,10)
** RECORD NO.189 COMMENT ******* /
** RECORD NO.190 COMMENT ******* /layer 11
** RECORD NO.191 COMMENT ******* /
** RECORD NO.192 KEYWORD ******* ZONE 4  from (1,1,11) to (65,42,11)
** RECORD NO.193 KEYWORD ******* ZONE 7  from (55,25,11) to (65,42,11)
** RECORD NO.194 COMMENT ******* /
** RECORD NO.195 KEYWORD ******* ZONE 7  from (56,15,11) to (65,42,11)
** RECORD NO.196 KEYWORD ******* ZONE 7  from (57,12,11) to (65,42,11)
** RECORD NO.197 KEYWORD ******* ZONE 7  from (58,1,11) to (65,42,11)
** RECORD NO.198 KEYWORD ******* ZONE 8  from (4,9,11) to (7,13,11)
** RECORD NO.199 KEYWORD ******* ZONE 8  from (6,8,11) to (8,10,11)
** RECORD NO.200 KEYWORD ******* ZONE 8  from (4,13,11) to (6,21,11)
** RECORD NO.201 KEYWORD ******* ZONE 10 FROM (57,26,11) TO (65,42,11)
** RECORD NO.202 KEYWORD ******* ZONE 10 FROM (58,18,11) TO (65,39,11)
** RECORD NO.203 KEYWORD ******* ZONE 10 FROM (59,10,11) TO (65,35,11)
** RECORD NO.204 KEYWORD ******* ZONE 10 FROM (60,4,11) TO (65,30,11)
** RECORD NO.205 COMMENT ******* /
** RECORD NO.206 COMMENT ******* /layer 12
** RECORD NO.207 KEYWORD ******* ZONE 4  from (1,1,12) to (65,42,12)
** RECORD NO.208 KEYWORD ******* ZONE 8  from (26,1,12) to (58,2,12)
** RECORD NO.209 KEYWORD ******* ZONE 8  from (22,2,12) to (58,3,12)
** RECORD NO.210 KEYWORD ******* ZONE 8  from (18,3,12) to (24,4,12)
** RECORD NO.211 KEYWORD ******* ZONE 8  from (14,4,12) to (21,5,12)
** RECORD NO.212 KEYWORD ******* ZONE 8  from (10,5,12) to (17,6,12)
** RECORD NO.213 KEYWORD ******* ZONE 8  from (6,6,12) to (14,7,12)
** RECORD NO.214 KEYWORD ******* ZONE 8  from (5,7,12) to (13,8,12)
** RECORD NO.215 KEYWORD ******* ZONE 8  from (5,9,12) to (12,9,12)
** RECORD NO.216 KEYWORD ******* ZONE 8  from (5,9,12) to (10,10,12)
** RECORD NO.217 KEYWORD ******* ZONE 8  from (5,11,12) to (7,18,12)
** RECORD NO.218 KEYWORD ******* ZONE 8  from (5,19,12) to (10,21,12)
** RECORD NO.219 KEYWORD ******* ZONE 8  from (6,22,12) to (15,24,12)
** RECORD NO.220 KEYWORD ******* ZONE 8  from (8,25,12) to (23,28,12)
** RECORD NO.221 KEYWORD ******* ZONE 8  from (20,29,12) to (37,31,12)
** RECORD NO.222 KEYWORD ******* ZONE 8  from (28,32,12) to (39,33,12)
** RECORD NO.223 KEYWORD ******* ZONE 8  from (35,34,12) to (45,35,12)
** RECORD NO.224 KEYWORD ******* ZONE 8  from (41,36,12) to (47,39,12)
** RECORD NO.225 KEYWORD ******* ZONE 8  from (41,40,12) to (45,42,12)
** RECORD NO.226 KEYWORD ******* ZONE 8  from (44,3,12) to (65,5,12)!!!
** RECORD NO.227 KEYWORD ******* ZONE 8  from (45,5,12) to (65,7,12)!!!
** RECORD NO.228 KEYWORD ******* ZONE 8  from (47,7,12) to (55,13,12)!!!
** RECORD NO.229 KEYWORD ******* ZONE 8  from (49,14,12) to (55,35,12)!!!
** RECORD NO.230 KEYWORD ******* ZONE 8  from (51,36,12) to (55,40,12)!!!
** RECORD NO.231 KEYWORD ******* ZONE 8  from (54,40,12) to (65,42,12)!!!
** RECORD NO.232 KEYWORD ******* ZONE 4  from (46,40,12) to (53,42,12)
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** RECORD NO.233 KEYWORD ******* ZONE 4  from (52,1,12) to (57,2,12)!!!!
** RECORD NO.234 KEYWORD ******* ZONE 7  from (59,1,12) to (65,42,12)
** RECORD NO.235 KEYWORD ******* ZONE 7  from (57,6,12) to (65,42,12)
** RECORD NO.236 KEYWORD ******* ZONE 7  from (56,8,12) to (65,42,12)
** RECORD NO.237 KEYWORD ******* ZONE 7  from (54,18,12) to (65,42,12)
** RECORD NO.238 KEYWORD ******* ZONE 7  from (53,25,12) to (65,40,12)
** RECORD NO.239 KEYWORD ******* ZONE 10 FROM (56,35,12) TO (65,42,12)
** RECORD NO.240 KEYWORD ******* ZONE 10 FROM (57,28,12) TO (65,39,12)
** RECORD NO.241 KEYWORD ******* ZONE 10 FROM (59,20,12) TO (65,35,12)
** RECORD NO.242 KEYWORD ******* ZONE 10 FROM (60,8,12) TO (65,30,12)
** RECORD NO.243 COMMENT ******* /
** RECORD NO.244 COMMENT ******* /layer 13
** RECORD NO.245 COMMENT ******* /
** RECORD NO.246 KEYWORD ******* ZONE 8  from (1,1,13) to (65,42,13)
** RECORD NO.247 KEYWORD ******* ZONE 4  from (1,1,13) to (24,1,13)
** RECORD NO.248 KEYWORD ******* ZONE 4  from (1,2,13) to (20,2,13)
** RECORD NO.249 KEYWORD ******* ZONE 4  from (1,3,13) to (15,3,13)
** RECORD NO.250 KEYWORD ******* ZONE 4  from (1,4,13) to (10,4,13)
** RECORD NO.251 KEYWORD ******* ZONE 4  from (1,5,13) to (6,5,13)
** RECORD NO.252 KEYWORD ******* ZONE 4  from (1,6,13) to (3,10,13)
** RECORD NO.253 KEYWORD ******* ZONE 4  from (1,11,13) to (2,22,13)
** RECORD NO.254 KEYWORD ******* ZONE 4  from (1,21,13) to (3,30,13)
** RECORD NO.255 KEYWORD ******* ZONE 4  from (1,25,13) to (4,30,13)
** RECORD NO.256 KEYWORD ******* ZONE 4  from (1,29,13) to (7,35,13)
** RECORD NO.257 KEYWORD ******* ZONE 4  from (1,31,13) to (14,40,13)
** RECORD NO.258 KEYWORD ******* ZONE 4  from (1,33,13) to (20,40,13)
** RECORD NO.259 KEYWORD ******* ZONE 4  from (1,36,13) to (26,42,13)
** RECORD NO.260 KEYWORD ******* ZONE 4  from (1,38,13) to (31,42,13)
** RECORD NO.261 KEYWORD ******* ZONE 4  from (1,41,13) to (35,42,13)
** RECORD NO.262 KEYWORD ******* ZONE 4  from (47,40,13) to (49,42,13)
** RECORD NO.263 KEYWORD ******* ZONE 4  from (46,41,13) to (52,42,13)!!!!
** RECORD NO.264 KEYWORD ******* ZONE 4  from (26,8,13) to (32,10,13)
** RECORD NO.265 KEYWORD ******* ZONE 4  from (23,9,13) to (35,10,13)
** RECORD NO.266 KEYWORD ******* ZONE 4  from (21,10,13) to (37,11,13)
** RECORD NO.267 KEYWORD ******* ZONE 4  from (14,12,13) to (39,14,13)
** RECORD NO.268 KEYWORD ******* ZONE 4  from (12,15,13) to (41,19,13)
** RECORD NO.269 KEYWORD ******* ZONE 4  from (14,20,13) to (41,21,13)
** RECORD NO.270 KEYWORD ******* ZONE 4  from (23,22,13) to (42,22,13)
** RECORD NO.271 KEYWORD ******* ZONE 4  from (28,23,13) to (42,23,13)
** RECORD NO.272 KEYWORD ******* ZONE 4  from (34,24,13) to (42,24,13)
** RECORD NO.273 KEYWORD ******* ZONE 4  from (37,25,13) to (42,26,13)
** RECORD NO.274 KEYWORD ******* ZONE 4  from (32,27,13) to (42,28,13)
** RECORD NO.275 KEYWORD ******* ZONE 4  from (36,28,13) to (43,30,13)
** RECORD NO.276 KEYWORD ******* ZONE 4  from (41,31,13) to (43,31,13)
** RECORD NO.277 KEYWORD ******* ZONE 4  from (42,32,13) to (43,33,13)
** RECORD NO.278 KEYWORD ******* ZONE 8  from (41,41,13) to (44,42,13)
** RECORD NO.279 KEYWORD ******* ZONE 7  from (57,1,13) to (65,42,13)
** RECORD NO.280 KEYWORD ******* ZONE 7  from (55,6,13) to (65,42,13)
** RECORD NO.281 KEYWORD ******* ZONE 7  from (54,8,13) to (65,35,13)
** RECORD NO.282 KEYWORD ******* ZONE 7  from (53,10,13) to (65,35,13)
** RECORD NO.283 KEYWORD ******* ZONE 7  from (52,13,13) to (65,35,13)
** RECORD NO.284 KEYWORD ******* ZONE 7  from (51,25,13) to (65,40,13)
** RECORD NO.285 KEYWORD ******* ZONE 7  from (51,29,13) to (65,37,13)
** RECORD NO.286 KEYWORD ******* ZONE 7  from (53,41,13) to (65,42,13)
** RECORD NO.287 KEYWORD ******* ZONE 10 FROM (55,23,13) TO (65,41,13)
** RECORD NO.288 KEYWORD ******* ZONE 10 FROM (53,35,13) TO (65,39,13)
** RECORD NO.289 KEYWORD ******* ZONE 10 FROM (54,28,13) TO (65,40,13)
** RECORD NO.290 KEYWORD ******* ZONE 10 FROM (56,18,13) TO (65,40,13)
** RECORD NO.291 KEYWORD ******* ZONE 10 FROM (57,14,13) TO (65,40,13)
** RECORD NO.292 KEYWORD ******* ZONE 10 FROM (59,8,13) TO (65,40,13)
** RECORD NO.293 COMMENT ******* /
** RECORD NO.294 COMMENT ******* /layer 14
** RECORD NO.295 COMMENT ******* /
** RECORD NO.296 KEYWORD ******* ZONE 8  from (1,1,14) to (65,42,14)
** RECORD NO.297 COMMENT ******* /ZONE 4  from (1,1,14) to (2,42,14)
** RECORD NO.298 COMMENT ******* /ZONE 4  from (1,1,14) to (3,42,14)
** RECORD NO.299 COMMENT ******* /ZONE 4  from (1,28,14) to (5,33,14)
** RECORD NO.300 COMMENT ******* /ZONE 4  from (1,34,14) to (13,34,14)
** RECORD NO.301 COMMENT ******* /ZONE 4  from (1,35,14) to (19,36,14)
** RECORD NO.302 COMMENT ******* /ZONE 4  from (1,37,14) to (23,38,14)
** RECORD NO.303 COMMENT ******* /ZONE 4  from (1,39,14) to (27,39,14)
** RECORD NO.304 COMMENT ******* /ZONE 4  from (1,40,14) to (33,42,14)
** RECORD NO.305 COMMENT ******* /ZONE 4  from (18,14,14) to (25,18,14)
** RECORD NO.306 COMMENT ******* /ZONE 4  from (23,15,14) to (35,19,14)
** RECORD NO.307 KEYWORD ******* ZONE 7  from (57,1,14) to (65,42,14)
** RECORD NO.308 KEYWORD ******* ZONE 7  from (42,6,14) to (65,42,14)
** RECORD NO.309 KEYWORD ******* ZONE 7  from (38,38,14) to (65,42,14)
** RECORD NO.310 KEYWORD ******* ZONE 10 FROM (57,5,14) TO (65,42,14)
** RECORD NO.311 KEYWORD ******* ZONE 10 FROM (54,7,14) TO (65,42,14)
** RECORD NO.312 KEYWORD ******* ZONE 10 FROM (51,10,14) TO (65,38,14)
** RECORD NO.313 KEYWORD ******* ZONE 10 FROM (55,35,14) TO (65,42,14)
** RECORD NO.314 COMMENT ******* /
** RECORD NO.315 COMMENT ******* /
** RECORD NO.316 COMMENT ******* /layer 15
** RECORD NO.317 COMMENT ******* /
** RECORD NO.318 KEYWORD ******* ZONE 8  from (1,1,15) to (65,42,15)
** RECORD NO.319 COMMENT ******* /ONE 4  from (1,1,15) to (4,3,15)
** RECORD NO.320 COMMENT ******* /ONE 4  from (1,1,15) to (3,42,15)
** RECORD NO.321 COMMENT ******* /ONE 4  from (1,28,15) to (5,33,15)
** RECORD NO.322 COMMENT ******* /ONE 4  from (1,34,15) to (13,34,15)
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** RECORD NO.323 COMMENT ******* /ONE 4  from (1,35,15) to (19,36,15)
** RECORD NO.324 COMMENT ******* /ONE 4  from (1,37,15) to (23,38,15)
** RECORD NO.325 COMMENT ******* /ONE 4  from (1,39,15) to (27,39,15)
** RECORD NO.326 COMMENT ******* /ONE 4  from (1,40,15) to (33,42,15)
** RECORD NO.327 COMMENT ******* /ONE 4  from (18,14,15) to (25,18,15)
** RECORD NO.328 COMMENT ******* /ONE 4  from (23,15,15) to (35,19,15)
** RECORD NO.329 KEYWORD ******* ZONE 7  from (48,1,15) to (65,42,15)
** RECORD NO.330 KEYWORD ******* ZONE 7  from (45,6,15) to (65,42,15)
** RECORD NO.331 KEYWORD ******* ZONE 7  from (38,38,15) to (65,42,15)
** RECORD NO.332 COMMENT ******* /ZONE 10 FROM (57,1,15) TO (65,42,15)!@
** RECORD NO.333 COMMENT ******* /ZONE 10 FROM (54,6,15) TO (65,42,15)!@
** RECORD NO.334 COMMENT ******* /ZONE 10 FROM (42,10,15) TO (65,38,15)!@
** RECORD NO.335 COMMENT ******* /ZONE 10 FROM (45,35,15) TO (65,42,15)!@
** RECORD NO.336 COMMENT ******* /
** RECORD NO.337 COMMENT ******* / global
** RECORD NO.338 KEYWORD ******* zone 10 from (59,11,6) to (65,42,15)
** RECORD NO.339 KEYWORD ******* zone 10 from (58,37,6) to (65,42,15)
** RECORD NO.340 COMMENT ******* /
** RECORD NO.341 COMMENT ******* /**************************************************SOIPROPERTIES
** RECORD NO.342 COMMENT ******* /
** RECORD NO.343 KEYWORD ******* PROP EFFE C
** RECORD NO.344 COMMENT ******* /
** RECORD NO.345 KEYWORD ******* for zone 1
** RECORD NO.346 KEYWORD ******* HYDRualic properties; ss= 0.2, Kx= 20., Ky= 20., Kz= 1.2
** RECORD NO.347 KEYWORD ******* SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
** RECORD NO.348 KEYWORD ******* TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
** RECORD NO.349 COMMENT ******* /
** RECORD NO.350 KEYWORD ******* for zone 4
** RECORD NO.351 KEYWORD ******* HYDRualic properties; ss= 0.2, Kx=  60., Ky=  60., Kz= 3.9
** RECORD NO.352 KEYWORD ******* SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
** RECORD NO.353 KEYWORD ******* TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
** RECORD NO.354 COMMENT ******* /
** RECORD NO.355 KEYWORD ******* for zone 5
** RECORD NO.356 KEYWORD ******* HYDRualic properties; ss= 0.2, Kx= .01, Ky= .01, Kz= .001
** RECORD NO.357 KEYWORD ******* SOIL density = 1850, eff porosities = .24, tot pors = .27 diffpors = .24
** RECORD NO.358 KEYWORD ******* TRAN R=20., Dm=1.E-20, Disp(l)=0.00, Disp(t)=0.00
** RECORD NO.359 COMMENT ******* /
** RECORD NO.360 KEYWORD ******* for zone 7
** RECORD NO.361 KEYWORD ******* HYDRualic properties; ss= 0.2, Kx= 1000., Ky= 1000., Kz=  64.
** RECORD NO.362 KEYWORD ******* SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
** RECORD NO.363 KEYWORD ******* TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
** RECORD NO.364 COMMENT ******* /
** RECORD NO.365 KEYWORD ******* for zone 8
** RECORD NO.366 KEYWORD ******* HYDRualic properties; ss= 0.2, Kx= 500., Ky= 500., Kz= 13.7
** RECORD NO.367 KEYWORD ******* SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
** RECORD NO.368 KEYWORD ******* TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
** RECORD NO.369 COMMENT ******* /
** RECORD NO.370 KEYWORD ******* for zone 9
** RECORD NO.371 KEYWORD ******* HYDRualic properties; ss= 0.2, Kx= .05, Ky= .05, Kz= .005
** RECORD NO.372 KEYWORD ******* SOIL density = 1850, eff porosities = .24, tot pors = .27 diffpors = .24
** RECORD NO.373 KEYWORD ******* TRAN R=20., Dm=1.E-20, Disp(l)=0.00, Disp(t)=0.00
** RECORD NO.374 COMMENT ******* /
** RECORD NO.375 KEYWORD ******* for zone 10
** RECORD NO.376 KEYWORD ******* HYDRualic properties; ss= 0.2, Kx= 5000., Ky= 5000., Kz= 50.
** RECORD NO.377 KEYWORD ******* SOIL density = 1850, eff porosities = .28, tot pors = .32 iffpors = .28
** RECORD NO.378 KEYWORD ******* TRAN R=2.5500, Dm=1.E-10, Disp(l)=.300 , Disp(t)=0.010
** RECORD NO.379 COMMENT ******* /
** RECORD NO.380 COMMENT ******* /**************************************************BOUNDARYCONDITIONS
** RECORD NO.381 COMMENT ******* /
** RECORD NO.382 COMMENT ******* /    constant heads for upgradient boundary
** RECORD NO.383 COMMENT ******* /
** RECORD NO.384 KEYWORD ******* BOUNdary for P: -1; = 109.00     for (1,1,4) to (1,42,15)
** RECORD NO.385 KEYWORD ******* BOUNdary for P: -1; = 108.70     for (1,26,4) to (1,42,15)
** RECORD NO.386 KEYWORD ******* BOUNdary for P: -1; = 109.20     for (1,1,4) to (1,10,15)
** RECORD NO.387 KEYWORD ******* BOUNdary for P: -1; = 110.70     for (1,1,1) to (1,42,3)
** RECORD NO.388 COMMENT ******* /
** RECORD NO.389 COMMENT ******* / assign constant hydraulic flux for north and south boundaries
** RECORD NO.390 COMMENT ******* /
** RECORD NO.391 KEYWORD ******* BOUNdary for P: +2; FLUX = 0.0  !!! for (2,42,1) to (64,42,15)
** RECORD NO.392 KEYWORD ******* BOUNdary for P: +2; = 104.70 for (59,42,4) to (62,42,15)
** RECORD NO.393 KEYWORD ******* BOUNdary for P: +2; = 104.70 for (63,42,4) to (64,42,15)
** RECORD NO.394 KEYWORD ******* BOUNdary for P: +2; = 104.99 for (59,42,1) to (64,42,3)
** RECORD NO.395 KEYWORD ******* BOUNdary for P: -2; FLUX = 0.0 !!! for (2,1,1) to (64,1,15)
** RECORD NO.396 KEYWORD ******* BOUNdary for P: -2; FLUX = 0.05 for (12,1,5) to (42,1,10)
** RECORD NO.397 KEYWORD ******* BOUNdary for P: -2; FLUX = 0.12 for (42,1,5) to (53,1,10)
** RECORD NO.398 KEYWORD ******* BOUNdary for P: -2; FLUX = 0.45 for (53,1,5) to (57,1,10)
** RECORD NO.399 COMMENT ******* /
** RECORD NO.400 COMMENT ******* / assign constant hydraulic flux for upper and lower boundaries
** RECORD NO.401 COMMENT ******* /
** RECORD NO.402 KEYWORD ******* BOUNdary for P: +3; FLUX =-1.0E-5 all
** RECORD NO.403 KEYWORD ******* BOUNdary for P: -3; FLUX = 0.0005   all
** RECORD NO.404 COMMENT ******* /
** RECORD NO.405 COMMENT ******* /**************************************************INITIACONDITIONS
** RECORD NO.406 COMMENT ******* /
** RECORD NO.407 COMMENT ******* /    river boundary
** RECORD NO.408 COMMENT ******* /
** RECORD NO.409 KEYWORD ******* FIXEd P from (57,1,1) to (65,1,15)
** RECORD NO.410 KEYWORD ******* FIXEd P from (57,2,1) to (65,2,15)
** RECORD NO.411 KEYWORD ******* FIXEd P from (59,3,1) to (65,3,15)
** RECORD NO.412 KEYWORD ******* FIXEd P from (60,4,1) to (65,4,15)
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** RECORD NO.413 KEYWORD ******* FIXEd P from (61,5,1) to (65,6,15)
** RECORD NO.414 KEYWORD ******* FIXEd P from (61,7,1) to (65,9,15)
** RECORD NO.415 KEYWORD ******* FIXEd P from (61,10,1) to (65,12,15)
** RECORD NO.416 KEYWORD ******* FIXEd P from (61,13,1) to (65,15,15)
** RECORD NO.417 KEYWORD ******* FIXEd P from (62,16,1) to (65,18,15)
** RECORD NO.418 KEYWORD ******* FIXEd P from (62,19,1) to (65,21,15)
** RECORD NO.419 KEYWORD ******* FIXEd P from (62,22,1) to (65,24,15)
** RECORD NO.420 KEYWORD ******* FIXEd P from (62,25,1) to (65,27,15)
** RECORD NO.421 KEYWORD ******* FIXEd P from (62,28,1) to (65,31,15)
** RECORD NO.422 KEYWORD ******* FIXEd P from (63,32,1) to (65,33,15)
** RECORD NO.423 KEYWORD ******* FIXEd P from (64,34,1) to (65,35,15)
** RECORD NO.424 KEYWORD ******* FIXEd P  from (65,36,1) to (65,42,15)
** RECORD NO.425 COMMENT ******* /
** RECORD NO.426 COMMENT ******* /**************************************************SOURCE
** RECORD NO.427 COMMENT ******* / see initial C commands below
** RECORD NO.428 COMMENT ******* /**************************************************OUTPUT SOLUTION
** RECORD NO.429 COMMENT ******* /
** RECORD NO.430 KEYWORD ******* OUTput c in XY plane every 5000 steps
** RECORD NO.431 COMMENT ******* /
** RECORD NO.432 KEYWORD ******* TIME = 0 at start of simulation
** RECORD NO.433 KEYWORD ******* FLUX Bala C for 2 2 2 to 64 41 15 every 10

======> UNIT 14 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: FLUXBAL

** RECORD NO.434 KEYWORD ******* HIST C 'c:\pf\3z40.his'(10,17,10)(24,19,10)(36,21,10)(10,17,11) 1
** RECORD NO.435 COMMENT ******* /

======> UNIT 13 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: c:\pf\3z40.his

** RECORD NO.436 KEYWORD ******* convergence epsilon to 1.e-5
** RECORD NO.437 COMMENT ******* /
** RECORD NO.438 KEYWORD ******* SOLVE for 1000 days in steps of 250 1.08 max of 1000


1-----------------------------------------------------------
1100-EM-1 Groundwater Model
-----------------------------------------------------------

   GRID DIMENSIONS.........(IMAX,JMAX,KMAX) = 65 BY 42 BY 15
   MAXIMUM NUMBER OF NODES IN EACH 3-D ARRAY. = 50000
   NUMBER OF THREE DIMENSIONAL FIELD ARRAYS.. =    40
   FIELD LENGTH ALLOCATED FOR 3-D ARRAYS..... =7812.5 Kbyte
   FIELD LENGTH ACTUALLY USED FOR 3-D ARRAYS. =6398.4 Kbyte


X COORDINATE VALUES
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    0.00   183.00   366.00   488.00   549.00   610.00   671.00   701.50

  732.00   762.50   793.00   823.50   854.00   884.50   915.00   945.50

  976.00  1006.50  1037.00  1067.50  1098.00  1128.50  1159.00  1189.50

 1220.00  1250.50  1281.00  1311.50  1342.00  1372.50  1403.00  1433.50

 1464.00  1494.50  1525.00  1555.50  1586.00  1616.50  1647.00  1677.50

 1708.00  1769.00  1830.00  1891.00  1952.00  2013.00  2074.00  2135.00

 2196.00  2257.00  2318.00  2379.00  2501.00  2623.00  2745.00  2867.00

 2989.00  3111.00  3233.00  3355.00  3477.00  3599.00  3721.00  3843.00

 3965.00


Y COORDINATE VALUES
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 1159.00  1220.00  1281.00  1311.50  1342.00  1372.50  1403.00  1433.50

 1464.00  1494.50  1525.00  1555.50  1586.00  1616.50  1647.00  1677.50

 1708.00  1738.50  1769.00  1799.50  1830.00  1860.50  1891.00  1921.50

 1952.00  2013.00  2074.00  2135.00  2196.00  2257.00  2379.00  2501.00

 2684.00  2928.00


Z COORDINATE VALUES
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  102.00   103.50   105.00   106.00   107.00   109.00   111.00
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ZONE IDENTIFIERS AT PLANE K = 3

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 I = 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 20 1 2 3 4 5 6 7 8 9 30 1 2 3 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 60

42  1010101010
41  1010101010
40  1010101010
39  1010101010
38  1010101010
37  1010101010
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35 1010101010
34 1010101010
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15 1010101010
14 1010101010
13 1010101010
12 1010101010
11 1010101010
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 9  77777
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 7  77777
 6  77777
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 1  77777

I = 1 2 3 4 5
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ZONE IDENTIFIERS AT PLANE K = 9

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I = 1 2 3 4 5 6 7 8 9 101 2 3 4 5 6 7 8 9 201 2 3 4 5 6 7 8 9 301 2 3 4 5 6 7 8 9 401 2 3 4 5 6 7 8 9 501 2 3 4 5 6 7 8 9 60
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42 1010101010

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41 1010101010
40 1010101010
39 1010101010
38 1010101010
37 1010101010
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13 1010101010
12 1010101010
11 1010101010
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 I = 12345
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ZONE IDENTIFIERS AT PLANE K = 10

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40  4444444444444444444444444444444444444444444444444444444444444444 7101010
39  4444444444444444444444444444444444444444444444444444444444444444 7101010
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37  4444444444444444444444444444444444444444444444444444444444444444 7101010
36  4444444444444444444444444444444444444444444444444444444444444444 71010
35  4444444444444444444444444444444444444444444444444444444444444444 71010
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 1  77777

I = 1 2 3 4 5

ZONE IDENTIFIERS AT PLANE K = 11
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39  4444444444444444444444444444444444444444444444444444444447 710101010
38  4444444444444444444444444444444444444444444444444444444447 710101010
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35  4444444444444444444444444444444444444444444444444444444447 710101010
34  4444444444444444444444444444444444444444444444444444444447 710101010
33  4444444444444444444444444444444444444444444444444444444447 710101010
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30  4444444444444444444444444444444444444444444444444444444447 710101010
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27  4444444444444444444444444444444444444444444444444444444447 710101010
26  4444444444444444444444444444444444444444444444444444444447 710101010
25  4444444444444444444444444444444444444444444444444444444447 7 7101010
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```

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 4  4444444444444444444444444444444444444444444444444444444444444444444444444 7 710
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 I = 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 20 1 2 3 4 5 6 7 8 9 30 1 2 3 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 60

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 7  1010101010
 6  1010101010
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 2  7 7 7 7 7
 1  7 7 7 7 7

 I = 1 2 3 4 5

ZONE IDENTIFIERS AT PLANE K = 12
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 J
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41  4444444444444444444444444444444444444444444888888444444444 7 71010101010
40  4444444444444444444444444444444444444444444888888444444444 7 7 71010101010
39  4444444444444444444444444444444444444444444888888888444888 7 7 71010101010
38  4444444444444444444444444444444444444444444888888888444888 7 7 71010101010
37  4444444444444444444444444444444444444444444888888888444888 7 7 71010101010
36  4444444444444444444444444444444444444444444888888888444888 7 7 71010101010
35  4444444444444444444444444444444444444444444888888888444888 7 7 71010101010
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ZONE IDENTIFIERS AT PLANE K = 13
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I = 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 20 1 2 3 4 5 6 7 8 9 30 1 2 3 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 60


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I = 1 2 3 4 5


ZONE IDENTIFIERS AT PLANE K = 14
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 3  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 7 7 7 7
 2  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 7 7 7 7
 1  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 7 7 7 7

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I = 1 2 3 4 5
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40  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7101010
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37  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7101010
36  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 71010
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34  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 71010
33  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 71010
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11  1010101010
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 7   77777
 6   77777
 5   77777
 4   77777
 3   77777
 2   77777
 1   77777

 I = 1 2 3 4 5
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BOUNDING INDICES FOR ACTIVE ZONES
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ZONE#	LOWER BOUND	UPPER BOUND
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4	(1, 1, 6)	(61, 42, 13)
5	(1, 1, 3)	(58, 42, 9)
7	(38, 1, 4)	(65, 42, 15)
8	(1, 1, 11)	(58, 42, 15)
9	(26, 8, 5)	(48, 35, 7)
10	(51, 4, 6)	(65, 42, 15)

TIME HISTORY OUTPUT AT NODES
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I	J	K
10	17	10
24	19	10

```
  36     21     10
  10     17     11

1-----------------------------------------------
1100-EM-1 Groundwater Model
-----------------------------------------------


PROGRAM CONSTANTS, PARAMETERS AND REFERENCE VALUES
==================================================
CARTESIAN/RADIAL GEOMETRY INDEX =          1
CYCLICAL BOUNDARY INDEX ........ =          0
DENSITY OPTION INDEX........... =          0
HYDRAULIC CONDUCTIVITY INDEX ... =          0

START TIME ..................... = 0.000E+00
CURRENT VALUE OF MAX. TIME ..... = 1.000E+03
STARTING TIME STEP ............ = 2.315E+02
TIME STEP INCREMENT FACTOR ..... = 1.080E+00
MAXIMUM TIME STEP ............. = 1.000E+03
TOTAL VOLUME OF FLUID IN FIELD.. = 1.029E+08
REFERENCE TEMPERATURE .......... = 0.000E+00


HYDRAULIC PROPERTIES OF POROUS MEDIA
====================================

ACTIVE   SPECIFIC      X-DIR.       Y-DIR.       Z-DIR.
ZONE #  STORATIVITY  HYDRAULIC K  HYDRAULIC K  HYDRAULIC K
  1     2.000E-01    2.000E+01    2.000E+01    1.200E+00
  4     2.000E-01    6.000E+01    6.000E+01    3.900E+00
  5     2.000E-01    1.000E-02    1.000E-02    1.000E-03
  7     2.000E-01    1.000E+03    1.000E+03    6.400E+01
  8     2.000E-01    5.000E+02    5.000E+02    1.370E+01
  9     2.000E-01    5.000E-02    5.000E-02    5.000E-03
 10     2.000E-01    5.000E+03    5.000E+03    5.000E+01


VALUES AT DIAGNOSTIC GRID NODE ( 33, 21,  8)
============================================
U  - X-DIR. VELOCITY COMPONENT  =  0.000E+00
V  - Y-DIR. VELOCITY COMPONENT  =  0.000E+00
W  - Z-DIR. VELOCITY COMPONENT  =  0.000E+00
P  - PRESSURE OR PRESSURE HEAD  =  1.066E+02

FIXED P   NODES WITHIN THE FLOW FIELD
=====================================
 #      FROM          TO
 1   ( 57,  2,  2) ( 64,  2, 14)
 2   ( 57,  2,  2) ( 64,  2, 14)
 3   ( 59,  3,  2) ( 64,  3, 14)
 4   ( 60,  4,  2) ( 64,  4, 14)
 5   ( 61,  5,  2) ( 64,  6, 14)
 6   ( 61,  7,  2) ( 64,  9, 14)
 7   ( 61, 10,  2) ( 64, 12, 14)
 8   ( 61, 13,  2) ( 64, 15, 14)
 9   ( 62, 16,  2) ( 64, 18, 14)
10   ( 62, 19,  2) ( 64, 21, 14)
11   ( 62, 22,  2) ( 64, 24, 14)
12   ( 62, 25,  2) ( 64, 27, 14)
13   ( 62, 28,  2) ( 64, 31, 14)
14   ( 63, 32,  2) ( 64, 33, 14)
15   ( 64, 34,  2) ( 64, 35, 14)
16   ( 64, 36,  2) ( 64, 41, 14)


DEPENDENT VARIABLE SPECIFICATIONS
=================================
VARIABLE  SYMBOL  SOLVE OPTION  INTEG. PROFILE  # OF SWEEPS  RELAX FACTOR
   4       P          1            1              1          1.00

 MATRIX SWEEP DIRECTIONS: X + Y + Z


1
                <-------- VALUES AT NODE --------> <--- MATRIX RESIDUE OR --->
                <-------- ( 33, 21,  8) --------> <--  RELATIVE CHANGE  -->  CONVERGENCE
 STEP   TIME       U        V        W        P       MASS    ENERGY  REF VALU  INDEX   #ITER
 6520  0.00E+00  1.14E-01 1.57E-02 7.09E-04 1.07E+02 0.00E+00 0.00E+00 0.00E+00    0.0    1
 6521  2.50E+02  1.13E-01 1.57E-02 7.06E-04 1.07E+02 1.17E-02 0.00E+00 1.17E-02   11.7    1
 6522  5.20E+02  1.12E-01 1.56E-02 7.06E-04 1.07E+02 9.92E-03 0.00E+00 9.92E-03    9.9    1
 6523  8.12E+02  1.11E-01 1.56E-02 7.04E-04 1.07E+02 8.28E-03 0.00E+00 8.28E-03    8.3    1
 6524  1.00E+03  1.10E-01 1.56E-02 7.02E-04 1.07E+02 4.50E-03 0.00E+00 4.50E-03    4.5    1
** RECORD NO.439 KEYWORD ******* INITial C = 1100 from (8,15,10) to (11,20,12)
** RECORD NO.440 KEYWORD ******* SOLVE for 1500 days in steps of 250 1.08 max of 1000
** RECORD NO.441 COMMENT ******* /save P,C on file 'c:\pfo\3z402500.arc'NOW
```

```
 6525  1.25E+03  1.09E-01  1.56E-02  7.01E-04  1.07E+02  4.80E-03 0.00E+00 4.80E-03     4.8  1
 6526  1.52E+03  1.08E-01  1.55E-02  7.00E-04  1.07E+02  4.12E-03 0.00E+00 4.12E-03     4.1  1
 6527  1.81E+03  1.07E-01  1.55E-02  6.98E-04  1.07E+02  3.49E-03 0.00E+00 3.49E-03     3.5  1
 6528  2.13E+03  1.06E-01  1.55E-02  6.98E-04  1.07E+02  2.92E-03 0.00E+00 2.92E-03     2.9  1
 6529  2.47E+03  1.06E-01  1.54E-02  6.97E-04  1.07E+02  2.40E-03 0.00E+00 2.40E-03     2.4  1

+-+-+-+-+-+-+-+-+-+ FLUX SUMMARY FOR C  +-+-+-+-+-+-+-+-+-+-+
ACTIVE SUBDOMAIN: (  2,  2,  2) ( 64, 41, 14)
TIME.........................= 2.5000E+03
TOTAL PROPERTY IN THE REGION... =  5.2275E+07
CHANGE FROM LAST TIME STEP..... = -2.6940E+05
CUMULATIVE CONVECTIVE INFLUX... =  4.7076E-16
CUMULATIVE DIFFUSIVE INFLUX.... = -1.1868E+07
NET INFLUX FOR THE REGION...... = -1.1868E+07
NET ACCUMULATED IN THE REGION.. = -1.1707E+07

    PLANE OF            INSTANTANEOUS FLUX
  CALCULATIONS        CONVECTIVE  DIFFUSIVE    TOTAL

X- PLANE AT I =   2    0.000E+00  0.000E+00  0.000E+00
X+ PLANE AT I =  64    0.000E+00  4.859E-06  4.859E-06
Y- PLANE AT J =   2    1.254E-18 -4.457E-09 -4.457E-09
Y+ PLANE AT J =  41    0.000E+00  5.222E-05  5.222E-05
Z- PLANE AT K =   2    0.000E+00  0.000E+00  0.000E+00
Z+ PLANE AT K =  14    0.000E+00  8.218E+03  8.218E+03
+-+-+-+-+-+-+-+-+-+ END OF FLUX SUMMARY +-+-+-+-+-+-+-+-+-+

 6530  2.50E+03  1.05E-01  1.54E-02  6.92E-04  1.07E+02  2.29E-04 0.00E+00 2.29E-04     0.2  1
** RECORD NO.442 KEYWORD ******* INITial C =  380 from (8,15,10) to (11,20,12)
** RECORD NO.443 COMMENT ******* /
** RECORD NO.444 KEYWORD ******* SOLVE for 1650 days in steps of 215 1.08 max of 1000!!!4150
** RECORD NO.445 COMMENT ******* /save P,C on file 'c:\pfo\3z404150.arc'NOW
 6531  2.71E+03  1.05E-01  1.54E-02  6.94E-04  1.07E+02  1.24E-03 0.00E+00 1.24E-03     1.2  1
 6532  2.95E+03  1.05E-01  1.53E-02  6.93E-04  1.07E+02  1.11E-03 0.00E+00 1.11E-03     1.1  1
 6533  3.20E+03  1.05E-01  1.53E-02  6.93E-04  1.07E+02  9.84E-04 0.00E+00 9.84E-04     1.0  1
 6534  3.47E+03  1.04E-01  1.53E-02  6.92E-04  1.07E+02  8.61E-04 0.00E+00 8.61E-04     0.9  1
 6535  3.76E+03  1.04E-01  1.52E-02  6.92E-04  1.07E+02  7.44E-04 0.00E+00 7.44E-04     0.7  1
 6536  4.08E+03  1.04E-01  1.52E-02  6.91E-04  1.07E+02  6.35E-04 0.00E+00 6.35E-04     0.6  1
 6537  4.15E+03  1.04E-01  1.51E-02  6.89E-04  1.07E+02  1.38E-04 0.00E+00 1.38E-04     0.1  1
** RECORD NO.446 KEYWORD ******* INITial C =  400 from (8,15,10) to (11,18,12)
** RECORD NO.447 COMMENT ******* /
** RECORD NO.448 KEYWORD ******* SOLVE for 150  days in steps of 25 1.08 max of 1000!!!4300
 6538  4.17E+03  1.04E-01  1.51E-02  6.86E-04  1.07E+02  7.27E-05 0.00E+00 7.27E-05     0.1  1
 6539  4.20E+03  1.04E-01  1.51E-02  6.85E-04  1.07E+02  7.02E-05 0.00E+00 7.02E-05     0.1  1

+-+-+-+-+-+-+-+-+-+ FLUX SUMMARY FOR C  +-+-+-+-+-+-+-+-+-+-+
ACTIVE SUBDOMAIN: (  2,  2,  2) ( 64, 41, 14)
TIME.........................= 4.2312E+03
TOTAL PROPERTY IN THE REGION... =  6.8346E+07
CHANGE FROM LAST TIME STEP..... = -2.5590E+05
CUMULATIVE CONVECTIVE INFLUX... =  2.2684E-13
CUMULATIVE DIFFUSIVE INFLUX.... = -3.0160E+07
NET INFLUX FOR THE REGION...... = -3.0160E+07
NET ACCUMULATED IN THE REGION.. =  4.3641E+06

    PLANE OF            INSTANTANEOUS FLUX
  CALCULATIONS        CONVECTIVE  DIFFUSIVE    TOTAL

X- PLANE AT I =   2    0.000E+00  0.000E+00  0.000E+00
X+ PLANE AT I =  64    0.000E+00  2.510E-04  2.510E-04
Y- PLANE AT J =   2    4.195E-16 -1.065E-06 -1.065E-06
Y+ PLANE AT J =  41    0.000E+00  1.160E-04  1.160E-04
Z- PLANE AT K =   2    0.000E+00  0.000E+00  0.000E+00
Z+ PLANE AT K =  14    0.000E+00  1.073E+04  1.073E+04
+-+-+-+-+-+-+-+-+-+ END OF FLUX SUMMARY +-+-+-+-+-+-+-+-+-+

 6540  4.23E+03  1.04E-01  1.50E-02  6.84E-04  1.07E+02  6.72E-05 0.00E+00 6.72E-05     0.1  1
 6541  4.26E+03  1.04E-01  1.50E-02  6.83E-04  1.07E+02  6.76E-05 0.00E+00 6.76E-05     0.1  1
 6542  4.30E+03  1.04E-01  1.50E-02  6.83E-04  1.07E+02  6.74E-05 0.00E+00 6.74E-05     0.1  1
 6543  4.30E+03  1.05E-01  1.49E-02  6.81E-04  1.07E+02  5.65E-05 0.00E+00 5.65E-05     0.1  1
** RECORD NO.449 KEYWORD ******* save P,C on file 'c:\pfo\3z401987.arc'NOW
** RECORD NO.450 COMMENT ******* /

======> UNIT 12 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: c:\pfo\3z401987.arc

      <--- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 12--->

ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 10/20/92
TIME OF GENERATION ..... : 12:37:28.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ..... :    65 BY  42 BY  15

    --> SIMULATION TIME OF STORED DATA:   4.300E+03
    --> STEP NUMBER AT WHICH GENERATED:  6543
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     ---> WRITING VARIABLE: P   - PRESSURE OR PRESSURE HEAD
     ---> WRITING VARIABLE: C   - SPECIES CONCENTRATION.....

     ====> DATA SET NUMBER:   1 WRITTEN TO c:\pfo\3z401987.arc

** RECORD NO.451 KEYWORD ******* SOLVE for 813 days in steps of  55 1.08 max of 1000!!!5113
 6544  4.35E+03  1.05E-01 1.49E-02 6.83E-04 1.07E+02 9.17E-05 0.00E+00 9.17E-05     0.1  1
 6545  4.41E+03  1.05E-01 1.48E-02 6.84E-04 1.07E+02 9.59E-05 0.00E+00 9.59E-05     0.1  1
 6546  4.48E+03  1.05E-01 1.48E-02 6.84E-04 1.07E+02 1.00E-04 0.00E+00 1.00E-04     0.1  1
 6547  4.55E+03  1.05E-01 1.48E-02 6.84E-04 1.07E+02 1.04E-04 0.00E+00 1.04E-04     0.1  1
 6548  4.62E+03  1.05E-01 1.47E-02 6.84E-04 1.07E+02 1.08E-04 0.00E+00 1.08E-04     0.1  1
 6549  4.70E+03  1.05E-01 1.47E-02 6.84E-04 1.07E+02 1.12E-04 0.00E+00 1.12E-04     0.1  1

+-+-+-+-+-+-+-+-+-+ FLUX SUMMARY FOR C  +-+-+-+-+-+-+-+-+-+
ACTIVE SUBDOMAIN: (  2,  2,  2) ( 64, 41, 14)
TIME.........................= 4.7908E+03
TOTAL PROPERTY IN THE REGION... =  6.2983E+07
CHANGE FROM LAST TIME STEP..... = -8.3245E+05
CUMULATIVE CONVECTIVE INFLUX... =  1.1015E-12
CUMULATIVE DIFFUSIVE INFLUX.... = -3.6808E+07
NET INFLUX FOR THE REGION...... = -3.6808E+07
NET ACCUMULATED IN THE REGION.. = -9.9905E+05

    PLANE OF            INSTANTANEOUS FLUX
  CALCULATIONS        CONVECTIVE  DIFFUSIVE    TOTAL

X- PLANE AT I =   2    0.000E+00  0.000E+00  0.000E+00
X+ PLANE AT I =  64    0.000E+00  6.465E-04  6.465E-04
Y- PLANE AT J =   2    3.615E-15 -3.247E-06 -3.247E-06
Y+ PLANE AT J =  41    0.000E+00  4.153E-05  4.153E-05
Z- PLANE AT K =   2    7.469E-19 -7.469E-19  0.000E+00
Z+ PLANE AT K =  14    0.000E+00  1.209E+04  1.209E+04
+-+-+-+-+-+-+-+-+-+ END OF FLUX SUMMARY +-+-+-+-+-+-+-+-+-+

 6550  4.79E+03  1.05E-01 1.47E-02 6.84E-04 1.07E+02 1.15E-04 0.00E+00 1.15E-04     0.1  1
 6551  4.89E+03  1.06E-01 1.46E-02 6.84E-04 1.07E+02 1.19E-04 0.00E+00 1.19E-04     0.1  1
 6552  4.99E+03  1.06E-01 1.46E-02 6.83E-04 1.07E+02 1.22E-04 0.00E+00 1.22E-04     0.1  1
 6553  5.10E+03  1.06E-01 1.46E-02 6.82E-04 1.07E+02 1.25E-04 0.00E+00 1.25E-04     0.1  1
 6554  5.11E+03  1.06E-01 1.46E-02 6.82E-04 1.07E+02 4.86E-05 0.00E+00 4.86E-05     0.0  1
** RECORD NO.452 KEYWORD ******* save P,C on file 'c:\pfo\3z401990.arc'NOW
** RECORD NO.453 COMMENT ******* /

======> UNIT 12 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: c:\pfo\3z401990.arc

     <--- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 12--->

ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 10/20/92
TIME OF GENERATION ..... : 12:37:28.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ........ :    65 BY  42 BY  15

     ---> SIMULATION TIME OF STORED DATA:    5.113E+03
     ---> STEP NUMBER AT WHICH GENERATED:  6554

     ---> WRITING VARIABLE: P   - PRESSURE OR PRESSURE HEAD
     ---> WRITING VARIABLE: C   - SPECIES CONCENTRATION.....

     ====> DATA SET NUMBER:   1 WRITTEN TO c:\pfo\3z401990.arc

** RECORD NO.454 KEYWORD ******* SOLVE for 365 days in steps of 55 1.08 max of 1000!!!5478
** RECORD NO.455 COMMENT ******* /save P,C on file 'c:\pfo\3z401991.arc'NOW
** RECORD NO.456 COMMENT ******* /
 6555  5.17E+03  1.06E-01 1.45E-02 6.82E-04 1.07E+02 6.82E-05 0.00E+00 6.82E-05     0.1  1
 6556  5.23E+03  1.06E-01 1.45E-02 6.81E-04 1.07E+02 6.78E-05 0.00E+00 6.78E-05     0.1  1
 6557  5.29E+03  1.06E-01 1.44E-02 6.81E-04 1.07E+02 6.87E-05 0.00E+00 6.87E-05     0.1  1
 6558  5.36E+03  1.07E-01 1.44E-02 6.81E-04 1.07E+02 7.29E-05 0.00E+00 7.29E-05     0.1  1
 6559  5.44E+03  1.07E-01 1.44E-02 6.81E-04 1.07E+02 7.69E-05 0.00E+00 7.69E-05     0.1  1

+-+-+-+-+-+-+-+-+-+ FLUX SUMMARY FOR C  +-+-+-+-+-+-+-+-+-+
ACTIVE SUBDOMAIN: (  2,  2,  2) ( 64, 41, 14)
TIME.........................= 5.4780E+03
TOTAL PROPERTY IN THE REGION... =  5.7236E+07
CHANGE FROM LAST TIME STEP..... = -2.8240E+05
CUMULATIVE CONVECTIVE INFLUX... =  1.5094E-11
CUMULATIVE DIFFUSIVE INFLUX.... = -4.5078E+07
NET INFLUX FOR THE REGION...... = -4.5078E+07
NET ACCUMULATED IN THE REGION.. = -6.7457E+06

    PLANE OF            INSTANTANEOUS FLUX
  CALCULATIONS        CONVECTIVE  DIFFUSIVE    TOTAL

X- PLANE AT I =   2    0.000E+00  0.000E+00  0.000E+00
X+ PLANE AT I =  64    0.000E+00  7.819E-04  7.819E-04
Y- PLANE AT J =   2    4.548E-14 -1.073E-05 -1.073E-05
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Y+ PLANE AT J =  41     0.000E+00  1.323E-05  1.323E-05
Z- PLANE AT K =   2     7.187E-19 -7.187E-19  0.000E+00
Z+ PLANE AT K =  14     0.000E+00  1.226E+04  1.226E+04
+-+-+-+-+-+-+-+-+-+ END OF FLUX SUMMARY +-+-+-+-+-+-+-+-+-+

 6560  5.48E+03  1.07E-01  1.44E-02  6.80E-04  1.07E+02  6.13E-05 0.00E+00 6.13E-05     0.1  1
** RECORD NO.457 KEYWORD ******* SOLVE for 522 days in steps of 225 1.08 max of 1000!!!6000
 6561  5.70E+03  1.07E-01  1.43E-02  6.78E-04  1.07E+02  2.02E-04 0.00E+00 2.02E-04     0.2  1
 6562  5.95E+03  1.07E-01  1.43E-02  6.76E-04  1.07E+02  1.93E-04 0.00E+00 1.93E-04     0.2  1
 6563  6.00E+03  1.07E-01  1.43E-02  6.76E-04  1.07E+02  6.61E-05 0.00E+00 6.61E-05     0.1  1
** RECORD NO.458 KEYWORD ******* save P,C on file 'c:\pfo\3z401992.arc'NOW
** RECORD NO.459 COMMENT ******* /

======> UNIT 12 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: c:\pfo\3z401992.arc


      <--- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 12--->


ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 10/20/92
TIME OF GENERATION ..... : 12:37:28.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ..... :    65 BY  42 BY  15


     --> SIMULATION TIME OF STORED DATA:    6.000E+03
     --> STEP NUMBER AT WHICH GENERATED:  6563

     --> WRITING VARIABLE: P   - PRESSURE OR PRESSURE HEAD
     --> WRITING VARIABLE: C   - SPECIES CONCENTRATION.....

     ====> DATA SET NUMBER:   1 WRITTEN TO c:\pfo\3z401992.arc

** RECORD NO.460 KEYWORD ******* SOLVE for 2190 days in steps of 225 1.08 max of 1000!!!8190
 6564  6.22E+03  1.08E-01  1.43E-02  6.75E-04  1.07E+02  1.56E-04 0.00E+00 1.56E-04     0.2  1
 6565  6.47E+03  1.08E-01  1.43E-02  6.73E-04  1.07E+02  1.49E-04 0.00E+00 1.49E-04     0.1  1
 6566  6.73E+03  1.08E-01  1.42E-02  6.72E-04  1.07E+02  1.40E-04 0.00E+00 1.40E-04     0.1  1
 6567  7.01E+03  1.08E-01  1.42E-02  6.71E-04  1.07E+02  1.31E-04 0.00E+00 1.31E-04     0.1  1
 6568  7.32E+03  1.08E-01  1.42E-02  6.70E-04  1.07E+02  1.21E-04 0.00E+00 1.21E-04     0.1  1
 6569  7.65E+03  1.08E-01  1.42E-02  6.69E-04  1.07E+02  1.11E-04 0.00E+00 1.11E-04     0.1  1

+-+-+-+-+-+-+-+-+-+ FLUX SUMMARY FOR C  +-+-+-+-+-+-+-+-+-+
ACTIVE SUBDOMAIN: (  2,  2,  2) ( 64, 41, 14)
TIME.......................= 8.0076E+03
TOTAL PROPERTY IN THE REGION... =  4.0900E+07
CHANGE FROM LAST TIME STEP..... = -2.1662E+06
CUMULATIVE CONVECTIVE INFLUX... =  1.8358E-09
CUMULATIVE DIFFUSIVE INFLUX.... = -8.3514E+07
NET INFLUX FOR THE REGION...... = -8.3514E+07
NET ACCUMULATED IN THE REGION.. = -2.3082E+07

    PLANE OF            INSTANTANEOUS FLUX
  CALCULATIONS       CONVECTIVE  DIFFUSIVE    TOTAL

X- PLANE AT I =   2     0.000E+00  0.000E+00  0.000E+00
X+ PLANE AT I =  64     0.000E+00  7.563E-04  7.563E-04
Y- PLANE AT J =   2     1.659E-12 -1.056E-04 -1.056E-04
Y+ PLANE AT J =  41     0.000E+00  1.722E-06  1.722E-06
Z- PLANE AT K =   2     6.422E-19 -6.422E-19  0.000E+00
Z+ PLANE AT K =  14     0.000E+00  1.796E+04  1.796E+04
+-+-+-+-+-+-+-+-+-+ END OF FLUX SUMMARY +-+-+-+-+-+-+-+-+-+

 6570  8.01E+03  1.08E-01  1.42E-02  6.68E-04  1.07E+02  1.02E-04 0.00E+00 1.02E-04     0.1  1
 6571  8.19E+03  1.09E-01  1.42E-02  6.67E-04  1.07E+02  7.26E-05 0.00E+00 7.26E-05     0.1  1
** RECORD NO.461 KEYWORD ******* save P,C on file 'c:\pfo\3z401998.arc'NOW
** RECORD NO.462 COMMENT ******* /

======> UNIT 12 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: c:\pfo\3z401998.arc


      <--- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 12--->


ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 10/20/92
TIME OF GENERATION ..... : 12:37:28.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ..... :    65 BY  42 BY  15


     --> SIMULATION TIME OF STORED DATA:    8.190E+03
     --> STEP NUMBER AT WHICH GENERATED:  6571

     --> WRITING VARIABLE: P   - PRESSURE OR PRESSURE HEAD
     --> WRITING VARIABLE: C   - SPECIES CONCENTRATION.....
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      ====> DATA SET NUMBER:   1 WRITTEN TO c:\pfo\3z401998.arc

** RECORD NO.463 KEYWORD ******* SOLVE for 2555 days in steps of 225 1.08 max of 1000!!!10745
 6572  8.41E+03  1.09E-01 1.42E-02 6.67E-04 1.07E+02 7.21E-05 0.00E+00 7.21E-05     0.1  1
 6573  8.66E+03  1.09E-01 1.41E-02 6.66E-04 1.07E+02 7.15E-05 0.00E+00 7.15E-05     0.1  1
 6574  8.92E+03  1.09E-01 1.41E-02 6.65E-04 1.07E+02 7.13E-05 0.00E+00 7.13E-05     0.1  1
 6575  9.20E+03  1.09E-01 1.41E-02 6.64E-04 1.07E+02 7.10E-05 0.00E+00 7.10E-05     0.1  1
 6576  9.51E+03  1.10E-01 1.41E-02 6.63E-04 1.07E+02 7.07E-05 0.00E+00 7.07E-05     0.1  1
 6577  9.84E+03  1.10E-01 1.41E-02 6.62E-04 1.07E+02 7.03E-05 0.00E+00 7.03E-05     0.1  1
 6578  1.02E+04  1.10E-01 1.40E-02 6.61E-04 1.07E+02 6.98E-05 0.00E+00 6.98E-05     0.1  1
 6579  1.06E+04  1.10E-01 1.40E-02 6.60E-04 1.07E+02 6.97E-05 0.00E+00 6.97E-05     0.1  1

+-+-+-+-+-+-+-+-+-+ FLUX SUMMARY FOR C  +-+-+-+-+-+-+-+-+-+
ACTIVE SUBDOMAIN: (  2,  2,  2) ( 64, 41, 14)
TIME.........................=  1.0745E+04
TOTAL PROPERTY IN THE REGION... =  2.4428E+07
CHANGE FROM LAST TIME STEP..... = -9.9931E+05
CUMULATIVE CONVECTIVE INFLUX... =  1.7962E-08
CUMULATIVE DIFFUSIVE INFLUX.... = -1.3414E+08
NET INFLUX FOR THE REGION...... = -1.3414E+08
NET ACCUMULATED IN THE REGION.. = -3.9554E+07

    PLANE OF            INSTANTANEOUS FLUX
  CALCULATIONS       CONVECTIVE  DIFFUSIVE    TOTAL

X- PLANE AT I =   2    0.000E+00  0.000E+00  0.000E+00
X+ PLANE AT I =  64    0.000E+00  8.086E-04  8.086E-04
Y- PLANE AT J =   2    1.040E-11 -4.459E-04 -4.459E-04
Y+ PLANE AT J =  41    0.000E+00  2.354E-07  2.354E-07
Z- PLANE AT K =   2    5.613E-19 -5.613E-19  0.000E+00
Z+ PLANE AT K =  14    0.000E+00  1.683E+04  1.683E+04
+-+-+-+-+-+-+-+-+-+ END OF FLUX SUMMARY +-+-+-+-+-+-+-+-+-+

 6580  1.07E+04  1.10E-01 1.40E-02 6.60E-04 1.07E+02 6.62E-05 0.00E+00 6.62E-05     0.1  1
** RECORD NO.464 KEYWORD ******* save P,C on file 'c:\pfo\3z402005.arc'NOW
** RECORD NO.465 COMMENT ******* /

======> UNIT 12 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: c:\pfo\3z402005.arc

      <--- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 12--->

ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 10/20/92
TIME OF GENERATION ..... : 12:37:28.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ........ :    65 BY  42 BY  15

      ---> SIMULATION TIME OF STORED DATA:    1.074E+04
      ---> STEP NUMBER AT WHICH GENERATED:  6580

      ---> WRITING VARIABLE: P   - PRESSURE OR PRESSURE HEAD
      ---> WRITING VARIABLE: C   - SPECIES CONCENTRATION.....

      ====> DATA SET NUMBER:   1 WRITTEN TO c:\pfo\3z402005.arc

** RECORD NO.466 KEYWORD ******* SOLVE for 1826 days in steps of 225 1.08 max of 1000!!!12571
 6581  1.10E+04  1.10E-01 1.40E-02 6.60E-04 1.07E+02 6.68E-05 0.00E+00 6.68E-05     0.1  1
 6582  1.12E+04  1.11E-01 1.40E-02 6.59E-04 1.07E+02 6.62E-05 0.00E+00 6.62E-05     0.1  1
 6583  1.15E+04  1.11E-01 1.40E-02 6.58E-04 1.07E+02 6.60E-05 0.00E+00 6.60E-05     0.1  1
 6584  1.18E+04  1.11E-01 1.40E-02 6.57E-04 1.07E+02 6.58E-05 0.00E+00 6.58E-05     0.1  1
 6585  1.21E+04  1.11E-01 1.40E-02 6.56E-04 1.07E+02 6.57E-05 0.00E+00 6.57E-05     0.1  1
 6586  1.24E+04  1.11E-01 1.40E-02 6.55E-04 1.07E+02 6.51E-05 0.00E+00 6.51E-05     0.1  1
 6587  1.26E+04  1.11E-01 1.40E-02 6.56E-04 1.07E+02 6.23E-05 0.00E+00 6.23E-05     0.1  1
** RECORD NO.467 KEYWORD ******* save P,C on file 'c:\pfo\3z402010.arc'NOW
** RECORD NO.468 COMMENT ******* /

======> UNIT 12 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: c:\pfo\3z402010.arc

      <--- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 12--->

ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 10/20/92
TIME OF GENERATION ..... : 12:37:28.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ........ :    65 BY  42 BY  15

      ---> SIMULATION TIME OF STORED DATA:    1.257E+04
      ---> STEP NUMBER AT WHICH GENERATED:  6587

      ---> WRITING VARIABLE: P   - PRESSURE OR PRESSURE HEAD
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     ---> WRITING VARIABLE: C   - SPECIES CONCENTRATION.....

     ====> DATA SET NUMBER:   1 WRITTEN TO c:\pfo\3z402010.arc

** RECORD NO.469 KEYWORD ******* SOLVE for 1826 days in steps of  225 1.08 max of 1000!!!14397
 6588  1.28E+04  1.12E-01 1.39E-02 6.55E-04 1.07E+02 6.31E-05 0.00E+00 6.31E-05     0.1  1
 6589  1.30E+04  1.12E-01 1.39E-02 6.54E-04 1.07E+02 6.25E-05 0.00E+00 6.25E-05     0.1  1

+-+-+-+-+-+-+-+-+ FLUX SUMMARY FOR C  +-+-+-+-+-+-+-+-+-+
ACTIVE SUBDOMAIN: (  2,  2,  2) ( 64, 41, 14)
TIME.........................= 1.3301E+04
TOTAL PROPERTY IN THE REGION... =  1.1012E+07
CHANGE FROM LAST TIME STEP..... = -1.1055E+06
CUMULATIVE CONVECTIVE INFLUX... =  6.2242E-08
CUMULATIVE DIFFUSIVE INFLUX.... = -1.6462E+08
NET INFLUX FOR THE REGION...... = -1.6462E+08
NET ACCUMULATED IN THE REGION.. = -5.2970E+07

    PLANE OF            INSTANTANEOUS FLUX
  CALCULATIONS       CONVECTIVE  DIFFUSIVE    TOTAL

X- PLANE AT I =   2    0.000E+00  0.000E+00  0.000E+00
X+ PLANE AT I =  64    0.000E+00  4.998E-04  4.998E-04
Y- PLANE AT J =   2    2.240E-11 -1.002E-03 -1.002E-03
Y+ PLANE AT J =  41    0.000E+00  9.801E-08  9.801E-08
Z- PLANE AT K =   2    4.926E-19 -4.926E-19  0.000E+00
Z+ PLANE AT K =  14    0.000E+00  7.854E+03  7.854E+03
+-+-+-+-+-+-+-+-+ END OF FLUX SUMMARY +-+-+-+-+-+-+-+-+-+

 6590  1.33E+04  1.12E-01 1.39E-02 6.53E-04 1.07E+02 6.25E-05 0.00E+00 6.25E-05     0.1  1
 6591  1.36E+04  1.12E-01 1.39E-02 6.52E-04 1.07E+02 6.23E-05 0.00E+00 6.23E-05     0.1  1
 6592  1.39E+04  1.12E-01 1.39E-02 6.51E-04 1.07E+02 6.21E-05 0.00E+00 6.21E-05     0.1  1
 6593  1.42E+04  1.13E-01 1.39E-02 6.50E-04 1.07E+02 6.18E-05 0.00E+00 6.18E-05     0.1  1
 6594  1.44E+04  1.13E-01 1.39E-02 6.50E-04 1.07E+02 5.90E-05 0.00E+00 5.90E-05     0.1  1
** RECORD NO.470 KEYWORD ******* save P,C on file 'c:\pfo\3z402015.arc'NOW
** RECORD NO.471 COMMENT ******* /

======> UNIT 12 OPEN FOR I/O IN FORMATTED   MODE; FILE NAME: c:\pfo\3z402015.arc


     <---- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 12---->


ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 10/20/92
TIME OF GENERATION ..... : 12:37:28.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ........ :    65 BY  42 BY  15


     ---> SIMULATION TIME OF STORED DATA:   1.440E+04
     ---> STEP NUMBER AT WHICH GENERATED:  6594

     ---> WRITING VARIABLE: P   - PRESSURE OR PRESSURE HEAD
     ---> WRITING VARIABLE: C   - SPECIES CONCENTRATION.....

     ====> DATA SET NUMBER:   1 WRITTEN TO c:\pfo\3z402015.arc

** RECORD NO.472 KEYWORD ******* SOLVE for 1826 days in steps of  225 1.08 max of 1000!!!16223
 6595  1.46E+04  1.13E-01 1.39E-02 6.50E-04 1.07E+02 5.97E-05 0.00E+00 5.97E-05     0.1  1
 6596  1.49E+04  1.13E-01 1.39E-02 6.49E-04 1.07E+02 5.92E-05 0.00E+00 5.92E-05     0.1  1
 6597  1.51E+04  1.13E-01 1.38E-02 6.48E-04 1.07E+02 5.92E-05 0.00E+00 5.92E-05     0.1  1
 6598  1.54E+04  1.13E-01 1.38E-02 6.47E-04 1.07E+02 5.89E-05 0.00E+00 5.89E-05     0.1  1
 6599  1.57E+04  1.14E-01 1.38E-02 6.46E-04 1.07E+02 5.90E-05 0.00E+00 5.90E-05     0.1  1

+-+-+-+-+-+-+-+-+ FLUX SUMMARY FOR C  +-+-+-+-+-+-+-+-+-+
ACTIVE SUBDOMAIN: (  2,  2,  2) ( 64, 41, 14)
TIME.........................= 1.6048E+04
TOTAL PROPERTY IN THE REGION... =  3.5597E+06
CHANGE FROM LAST TIME STEP..... = -5.3664E+05
CUMULATIVE CONVECTIVE INFLUX... =  1.2776E-07
CUMULATIVE DIFFUSIVE INFLUX.... = -1.7602E+08
NET INFLUX FOR THE REGION...... = -1.7602E+08
NET ACCUMULATED IN THE REGION.. = -6.0422E+07

    PLANE OF            INSTANTANEOUS FLUX
  CALCULATIONS       CONVECTIVE  DIFFUSIVE    TOTAL

X- PLANE AT I =   2    0.000E+00  0.000E+00  0.000E+00
X+ PLANE AT I =  64    0.000E+00  1.798E-04  1.798E-04
Y- PLANE AT J =   2    2.282E-11 -1.311E-03 -1.311E-03
Y+ PLANE AT J =  41    0.000E+00  5.007E-08  5.007E-08
Z- PLANE AT K =   2    4.253E-19 -4.253E-19  0.000E+00
Z+ PLANE AT K =  14    0.000E+00  2.001E+03  2.001E+03
+-+-+-+-+-+-+-+-+ END OF FLUX SUMMARY +-+-+-+-+-+-+-+-+-+

 6600  1.60E+04  1.14E-01 1.38E-02 6.45E-04 1.07E+02 5.86E-05 0.00E+00 5.86E-05     0.1  1
 6601  1.62E+04  1.14E-01 1.38E-02 6.45E-04 1.07E+02 5.61E-05 0.00E+00 5.61E-05     0.1  1
```

** RECORD NO.473 KEYWORD ******* save P,C on file 'c:\pfo\3z402020.arc' NOW

======> UNIT 12 OPEN FOR I/O IN FORMATTED MODE; FILE NAME: c:\pfo\3z402020.arc

<--- START OF FILE READ/WRITE OPERATIONS ON UNIT#: 12--->

ARCHIVED BY ACRi PROGRAM : PORFLOW-3D - VERSION 2.40.0 /MASTER - DATE: 02 JAN 92
ACRi LICENSE NUMBER .... : 3240AWW034
DATA GENERATED BY USER . : USACE Walla Walla Dist, Environmental Engineering Br.
DATE OF GENERATION ..... : 10/20/92
TIME OF GENERATION ..... : 12:37:28.1
TITLE OF DATA SET ..... : 1100-EM-1 Groundwater Model
GRID DIMENSIONS ..... : 65 BY 42 BY 15

---> SIMULATION TIME OF STORED DATA: 1.622E+04
---> STEP NUMBER AT WHICH GENERATED: 6601

---> WRITING VARIABLE: P - PRESSURE OR PRESSURE HEAD
---> WRITING VARIABLE: C - SPECIES CONCENTRATION.....

====> DATA SET NUMBER: 1 WRITTEN TO c:\pfo\3z402020.arc

** RECORD NO.474 KEYWORD ******* end

****

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 1 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =		34	35	36	37	38	39	40	41	42	43	44
X =		1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03
Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =		45	46	47	48	49	50	51	52	53	54	55
X =		1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03
Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

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2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 2 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

	I =	1	2	3	4	5	6	7	8	9	10	11
	X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

	I =	12	13	14	15	16	17	18	19	20	21	22
	X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I = 23 24 25 26 27 28 29 30 31 32 33
X = 1.16E+03 1.19E+03 1.22E+03 1.25E+03 1.28E+03 1.31E+03 1.34E+03 1.37E+03 1.40E+03 1.43E+03 1.46E+03

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I = 34 35 36 37 38 39 40 41 42 43 44
X = 1.49E+03 1.52E+03 1.56E+03 1.59E+03 1.62E+03 1.65E+03 1.68E+03 1.71E+03 1.77E+03 1.83E+03 1.89E+03

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-24	0.00E+00	
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	4.62E-19	2.88E-19	1.20E-19	4.32E-20	1.26E-20	1.34E-24	0.00E+00	
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	1.01E-18	8.76E-19	4.36E-19	1.66E-19	4.12E-20	1.92E-25	0.00E+00	
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	1.12E-18	1.14E-18	6.10E-19	2.33E-19	5.01E-20	3.13E-26	0.00E+00	
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	8.93E-19	1.03E-18	5.74E-19	2.21E-19	3.87E-20	5.28E-30	0.00E+00	
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	5.31E-19	6.86E-19	3.89E-19	1.47E-19	1.94E-20	6.40E-31	0.00E+00	
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	2.40E-19	3.48E-19	2.00E-19	7.34E-20	1.25E-21	7.35E-35	0.00E+00	
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	1.05E-19	1.67E-19	9.47E-20	1.79E-20	3.36E-41	9.50E-36	0.00E+00	
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	5.11E-20	8.54E-20	4.46E-20	1.04E-21	2.65E-43	1.31E-38	0.00E+00	
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	2.24E-20	3.87E-20	1.65E-20	0.00E+00	1.33E-43	5.73E-39	0.00E+00	
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	8.87E-21	1.56E-20	5.62E-21	0.00E+00	0.00E+00	5.04E-44	0.00E+00	
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	3.17E-21	5.63E-21	1.74E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	1.02E-21	1.82E-21	4.93E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	2.97E-22	5.32E-22	1.32E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	7.86E-23	1.41E-22	3.13E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	1.90E-23	3.42E-23	6.83E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	4.20E-24	7.66E-24	1.43E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	8.54E-25	1.59E-24	2.72E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	1.61E-25	3.09E-25	4.81E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	2.84E-26	5.67E-26	8.23E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	4.77E-27	9.80E-27	1.24E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	7.75E-28	1.60E-27	1.58E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	1.22E-28	2.43E-28	1.39E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	1.84E-29	3.37E-29	1.88E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	2.66E-30	4.17E-30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	3.69E-31	4.58E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	4.95E-32	5.47E-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	6.51E-33	7.01E-33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	8.58E-34	1.02E-33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	8.26E-35	1.10E-34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	7.38E-36	1.16E-35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	8.27E-37	1.81E-36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	1.02E-37	2.34E-37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	1.35E-38	3.25E-38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	1.39E-39	4.33E-39	4.13E-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	1.17E-40	3.46E-40	9.81E-45	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	1.07E-41	3.48E-41	1.40E-45	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	3.98E-43	4.60E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	2.80E-45	2.80E-45	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 3 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I = 23 24 25 26 27 28 29 30 31 32 33
X = 1.16E+03 1.19E+03 1.22E+03 1.25E+03 1.28E+03 1.31E+03 1.34E+03 1.37E+03 1.40E+03 1.43E+03 1.46E+03

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I = 34 35 36 37 38 39 40 41 42 43 44
X = 1.49E+03 1.52E+03 1.56E+03 1.59E+03 1.62E+03 1.65E+03 1.68E+03 1.71E+03 1.77E+03 1.83E+03 1.89E+03

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	3.91E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	1.10E-20	2.21E-21	7.02E-18	2.78E-18	8.52E-19	1.81E-19	1.47E-20	2.30E-22	0.00E+00
2.379E+03	39	0.00E+00	2.40E-21	1.04E-21	9.39E-15	6.52E-15	2.71E-15	7.38E-16	6.99E-17	1.14E-23	0.00E+00
2.257E+03	38	0.00E+00	4.77E-22	3.33E-22	2.12E-14	2.29E-14	9.38E-15	2.69E-15	2.09E-16	3.19E-25	0.00E+00
2.196E+03	37	0.00E+00	1.05E-22	8.45E-16	2.11E-14	2.99E-14	1.69E-14	6.09E-15	4.57E-16	1.00E-26	0.00E+00
2.135E+03	36	0.00E+00	1.88E-23	8.94E-16	1.05E-14	2.49E-14	1.83E-14	5.23E-15	2.83E-16	2.51E-31	0.00E+00
2.074E+03	35	0.00E+00	2.51E-24	4.11E-16	3.81E-15	1.49E-14	1.41E-14	3.64E-15	1.34E-16	4.73E-33	0.00E+00
2.013E+03	34	0.00E+00	3.09E-25	2.86E-16	1.10E-15	6.77E-15	6.87E-15	1.08E-15	1.24E-17	2.91E-37	0.00E+00
1.952E+03	33	0.00E+00	7.08E-26	1.64E-16	3.40E-16	2.85E-15	2.37E-15	1.37E-16	1.95E-43	1.34E-38	0.00E+00
1.922E+03	32	0.00E+00	2.24E-26	9.38E-17	1.29E-16	1.30E-15	7.68E-16	1.03E-17	0.00E+00	3.22E-41	0.00E+00
1.891E+03	31	0.00E+00	6.37E-27	4.35E-17	4.59E-17	5.16E-16	1.84E-16	0.00E+00	0.00E+00	2.69E-41	0.00E+00
1.861E+03	30	0.00E+00	1.44E-27	1.50E-17	1.50E-17	1.82E-16	4.10E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	2.28E-28	4.18E-18	4.39E-18	5.71E-17	8.77E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	2.96E-29	1.05E-18	1.16E-18	1.61E-17	1.85E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	3.30E-30	2.38E-19	2.78E-19	4.13E-18	3.92E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	3.24E-31	4.83E-20	6.02E-20	9.64E-19	7.75E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	2.81E-32	8.61E-21	1.18E-20	2.06E-19	1.46E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	2.14E-33	1.32E-21	2.11E-21	4.08E-20	2.67E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	1.33E-34	1.69E-22	3.42E-22	7.51E-21	4.49E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	5.53E-36	1.72E-23	5.09E-23	1.29E-21	7.09E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	1.13E-24	6.95E-24	2.09E-22	1.07E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	1.36E-25	9.07E-25	3.17E-23	1.44E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	2.10E-26	1.15E-25	4.47E-24	1.67E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	3.31E-27	1.42E-26	5.78E-25	1.55E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	4.11E-28	1.69E-27	6.68E-26	7.56E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	4.76E-29	1.92E-28	6.72E-27	6.44E-30	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	5.44E-30	2.09E-29	5.70E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	6.34E-31	2.20E-30	4.91E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	7.72E-32	2.29E-31	4.41E-30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	9.66E-33	2.42E-32	4.50E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	8.60E-34	1.94E-33	3.49E-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	6.29E-35	1.62E-34	2.78E-33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	5.28E-36	1.72E-35	3.09E-34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	4.87E-37	1.97E-36	2.90E-35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	5.01E-38	2.47E-37	2.98E-36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	3.93E-39	2.39E-38	2.84E-37	3.51E-40	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	2.69E-40	2.05E-39	1.54E-38	1.40E-44	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	1.54E-41	1.33E-40	3.41E-40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	4.46E-43	1.02E-42	9.09E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 4 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	4.94E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	6.82E-16	1.87E-14	6.52E-14	2.57E-14	7.77E-15	1.51E-15	1.04E-16	6.69E-12	0.00E+00
2.379E+03	39	0.00E+00	2.56E-16	1.43E-14	2.29E-11	1.77E-11	7.82E-12	2.06E-12	1.66E-13	1.64E-10	0.00E+00
2.257E+03	38	0.00E+00	6.82E-17	6.70E-15	7.03E-11	9.22E-11	5.21E-11	2.07E-11	1.54E-12	4.63E-08	0.00E+00
2.196E+03	37	0.00E+00	1.78E-17	1.17E-11	7.69E-11	1.34E-10	1.41E-10	1.68E-10	1.34E-11	6.24E-08	0.00E+00
2.135E+03	36	0.00E+00	3.57E-18	1.06E-11	3.54E-11	1.21E-10	2.53E-10	7.45E-06	5.23E-06	4.31E-07	0.00E+00
2.074E+03	35	0.00E+00	4.89E-19	4.03E-12	1.17E-11	7.84E-11	3.80E-10	1.04E-05	6.14E-06	4.60E-07	0.00E+00
2.013E+03	34	0.00E+00	5.42E-17	1.32E-10	2.22E-11	4.12E-11	2.72E-10	2.00E-05	6.85E-06	6.48E-07	0.00E+00
1.952E+03	33	0.00E+00	1.04E-16	2.16E-10	3.31E-11	2.16E-11	1.07E-10	1.82E-05	2.58E-06	4.74E-07	0.00E+00
1.922E+03	32	0.00E+00	5.51E-17	1.60E-10	2.67E-11	1.22E-11	3.63E-11	1.30E-05	1.02E-05	4.77E-07	0.00E+00
1.891E+03	31	0.00E+00	1.79E-17	7.06E-11	1.38E-11	5.83E-12	8.59E-12	5.08E-06	2.01E-05	8.95E-07	0.00E+00
1.861E+03	30	0.00E+00	4.26E-18	2.21E-11	5.19E-12	2.36E-12	1.71E-12	4.42E-06	4.41E-10	1.89E-11	0.00E+00
1.830E+03	29	0.00E+00	5.89E-19	5.11E-12	1.53E-12	8.13E-13	3.08E-13	3.17E-06	3.90E-12	2.73E-16	0.00E+00
1.800E+03	28	0.00E+00	6.69E-20	1.09E-12	3.86E-13	2.45E-13	5.37E-14	7.83E-06	4.57E-09	9.44E-13	0.00E+00
1.769E+03	27	0.00E+00	6.71E-21	2.19E-13	8.64E-14	6.52E-14	9.45E-15	8.38E-06	4.77E-09	1.00E-12	0.00E+00
1.739E+03	26	0.00E+00	6.06E-22	4.01E-14	1.73E-14	1.56E-14	1.62E-15	8.93E-06	1.03E-11	5.74E-17	0.00E+00
1.708E+03	25	0.00E+00	5.05E-23	6.51E-15	3.13E-15	3.40E-15	2.77E-16	2.22E-05	1.04E-08	1.86E-12	0.00E+00
1.678E+03	24	0.00E+00	3.85E-24	9.08E-16	5.07E-16	6.77E-16	4.73E-17	2.37E-05	1.09E-08	1.98E-12	0.00E+00
1.647E+03	23	0.00E+00	2.49E-25	1.06E-16	7.39E-17	1.25E-16	7.66E-18	1.55E-05	1.68E-11	8.67E-17	0.00E+00
1.617E+03	22	0.00E+00	1.02E-26	9.43E-18	9.67E-18	2.15E-17	1.19E-18	3.90E-05	1.50E-08	2.29E-12	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	1.51E-21	1.09E-18	3.46E-18	1.79E-19	4.13E-05	1.58E-08	2.46E-12	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	5.06E-23	1.19E-19	5.23E-19	2.46E-20	1.46E-05	1.48E-11	7.88E-17	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	2.98E-24	1.25E-20	7.38E-20	3.04E-21	4.04E-05	1.14E-08	1.46E-12	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	2.44E-25	1.30E-21	9.61E-21	3.26E-22	4.22E-05	1.22E-08	1.58E-12	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	1.29E-26	1.31E-22	1.13E-21	2.62E-23	3.87E-06	3.74E-12	2.98E-17	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	6.78E-28	1.26E-23	1.17E-22	1.48E-24	6.33E-08	8.93E-12	8.77E-16	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	3.94E-29	1.17E-24	1.06E-23	3.77E-05	6.65E-08	9.68E-12	9.75E-16	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	2.74E-30	1.04E-25	8.93E-25	4.03E-05	4.65E-11	3.30E-16	2.95E-20	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	2.45E-31	8.92E-27	7.53E-26	1.18E-04	3.44E-08	4.12E-12	4.19E-16	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	2.62E-32	7.48E-28	6.86E-27	1.25E-04	3.66E-08	4.47E-12	4.61E-16	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	2.19E-33	4.49E-29	4.62E-28	2.89E-05	3.21E-11	1.18E-16	1.16E-20	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	1.56E-34	3.32E-30	3.70E-29	6.28E-05	1.51E-08	3.38E-12	6.02E-16	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	1.34E-35	3.23E-31	3.75E-30	6.32E-05	1.69E-08	3.72E-12	6.71E-16	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	1.26E-36	3.39E-32	3.23E-31	5.24E-06	6.43E-12	4.38E-17	7.15E-21	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	1.33E-37	3.92E-33	3.18E-32	3.28E-05	9.72E-09	2.41E-12	4.71E-16	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	1.07E-38	3.54E-34	2.74E-33	3.17E-05	1.14E-08	2.80E-12	5.56E-16	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	7.52E-40	2.92E-35	1.37E-34	8.02E-06	4.45E-09	1.88E-12	6.20E-16	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	4.57E-41	1.64E-36	5.35E-06	9.87E-06	5.61E-09	2.47E-12	8.36E-16	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	1.39E-42	1.17E-07	4.99E-07	2.99E-07	2.73E-10	1.19E-13	3.93E-17	0.00E+00
3.050E+02	2	0.00E+00	4.96E-14	4.87E-11	8.87E-10	3.82E-08	1.56E-08	3.41E-11	1.50E-14	4.89E-18	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 5 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-24
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	6.48E-19	1.34E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	7.05E-17	1.71E-12	1.60E-11	6.99E-11	2.89E-11	8.79E-12	1.55E-12	9.44E-14	3.45E-09	0.00E+00	
2.379E+03	39	1.94E-17	1.71E-12	1.99E-11	4.17E-09	3.62E-09	2.52E-09	7.73E-10	5.87E-11	9.98E-08	0.00E+00	
2.257E+03	38	3.10E-18	1.05E-12	1.80E-11	1.57E-08	2.57E-08	2.57E-06	1.95E-06	1.32E-06	1.13E-06	0.00E+00	
2.196E+03	37	4.72E-19	4.97E-13	1.35E-08	2.37E-08	4.69E-08	4.04E-06	3.05E-06	2.02E-06	1.62E-06	0.00E+00	
2.135E+03	36	5.20E-20	1.57E-13	1.00E-08	1.03E-08	5.35E-08	8.50E-06	7.86E-06	5.34E-06	5.65E-06	0.00E+00	
2.074E+03	35	4.13E-21	2.57E-14	2.86E-09	3.09E-09	4.50E-08	9.14E-06	1.67E-05	1.02E-05	8.36E-06	0.00E+00	
2.013E+03	34	2.37E-22	5.09E-15	4.15E-09	1.14E-09	2.89E-08	7.86E-06	6.54E-05	2.00E-05	4.89E-05	0.00E+00	
1.952E+03	33	1.57E-23	2.08E-15	2.85E-09	5.60E-10	1.59E-08	2.62E-06	1.04E-04	4.24E-05	5.38E-05	0.00E+00	
1.922E+03	32	1.30E-24	9.66E-16	1.87E-09	3.31E-10	8.95E-09	7.61E-07	5.16E-05	6.21E-04	2.89E-05	0.00E+00	
1.891E+03	31	9.79E-26	3.85E-16	1.03E-09	1.74E-10	4.37E-09	1.46E-07	9.39E-05	6.55E-04	2.94E-05	0.00E+00	
1.861E+03	30	6.84E-27	8.81E-17	3.08E-10	6.28E-11	1.86E-09	2.21E-08	1.88E-03	6.22E-13	1.61E-14	0.00E+00	
1.830E+03	29	3.68E-28	1.00E-17	6.53E-11	1.74E-11	6.99E-10	2.84E-09	3.00E-03	1.34E-13	3.52E-19	0.00E+00	
1.800E+03	28	1.61E-29	1.01E-18	1.35E-11	4.18E-12	2.32E-10	3.40E-10	6.42E-03	5.64E-06	1.17E-09	0.00E+00	
1.769E+03	27	5.73E-31	9.24E-20	2.68E-12	8.99E-13	6.89E-11	4.02E-11	6.61E-03	5.89E-06	1.24E-09	0.00E+00	
1.739E+03	26	1.71E-32	7.84E-21	4.85E-13	1.74E-13	1.84E-11	4.72E-12	1.05E-02	4.05E-13	1.03E-18	0.00E+00	
1.708E+03	25	4.21E-34	6.35E-22	7.78E-14	3.05E-14	4.42E-12	5.98E-13	2.04E-02	1.29E-05	2.30E-09	0.00E+00	
1.678E+03	24	9.25E-36	4.88E-23	1.06E-14	4.78E-15	9.69E-13	8.56E-14	2.08E-02	1.35E-05	2.45E-09	0.00E+00	
1.647E+03	23	1.47E-37	3.25E-24	1.20E-15	6.73E-16	1.95E-13	1.29E-14	2.27E-02	7.81E-13	1.45E-18	0.00E+00	
1.617E+03	22	0.00E+00	1.37E-25	9.70E-17	8.41E-17	3.63E-14	2.02E-15	3.98E-02	1.85E-05	2.83E-09	0.00E+00	
1.586E+03	21	0.00E+00	0.00E+00	7.57E-23	8.97E-18	6.28E-15	3.14E-16	4.05E-02	1.95E-05	3.04E-09	0.00E+00	
1.556E+03	20	0.00E+00	0.00E+00	4.16E-24	9.20E-19	1.01E-15	4.54E-17	2.97E-02	9.16E-13	1.24E-18	0.00E+00	
1.525E+03	19	0.00E+00	0.00E+00	4.18E-25	9.21E-20	1.50E-16	6.00E-18	4.60E-02	1.41E-05	1.80E-09	0.00E+00	
1.495E+03	18	0.00E+00	0.00E+00	9.89E-26	9.10E-21	2.04E-17	7.03E-19	4.71E-02	1.50E-05	1.95E-09	0.00E+00	
1.464E+03	17	0.00E+00	0.00E+00	7.52E-27	8.78E-22	2.47E-18	6.68E-20	1.76E-02	4.51E-13	4.67E-19	0.00E+00	
1.434E+03	16	0.00E+00	0.00E+00	5.14E-28	8.15E-23	2.63E-19	5.67E-21	3.95E-05	5.56E-09	5.47E-13	0.00E+00	
1.403E+03	15	0.00E+00	0.00E+00	3.60E-29	7.24E-24	2.47E-20	2.03E-02	4.15E-05	6.04E-09	6.09E-13	0.00E+00	
1.373E+03	14	0.00E+00	0.00E+00	2.87E-30	6.16E-25	2.07E-21	5.08E-02	1.54E-12	1.91E-18	1.68E-22	0.00E+00	
1.342E+03	13	0.00E+00	0.00E+00	2.93E-31	5.00E-26	1.67E-22	6.81E-02	2.14E-05	2.56E-09	2.61E-13	0.00E+00	
1.312E+03	12	0.00E+00	0.00E+00	3.44E-32	3.85E-27	1.42E-23	6.80E-02	2.28E-05	2.79E-09	2.88E-13	0.00E+00	
1.281E+03	11	0.00E+00	0.00E+00	3.07E-33	1.98E-28	8.77E-25	3.66E-02	1.04E-12	4.90E-19	4.93E-23	0.00E+00	

1.220E+03	10	0.00E+00	0.00E+00	2.26E-34	1.48E-29	7.02E-26	1.47E-02	3.52E-06	7.92E-10	1.41E-13	0.00E+00	
1.159E+03	9	0.00E+00	0.00E+00	2.04E-35	1.47E-30	6.78E-27	1.40E-02	3.96E-06	8.74E-10	1.58E-13	0.00E+00	
1.098E+03	8	0.00E+00	0.00E+00	1.97E-36	1.56E-31	5.54E-28	5.02E-03	1.06E-13	6.93E-20	1.17E-23	0.00E+00	
1.037E+03	7	1.15E-13	2.21E-14	3.20E-15	3.62E-16	1.73E-17	6.55E-03	1.94E-06	4.83E-10	9.45E-14	0.00E+00	
9.760E+02	6	1.01E-14	3.35E-15	8.16E-16	1.41E-16	9.06E-18	6.02E-03	2.27E-06	5.62E-10	1.12E-13	0.00E+00	
8.540E+02	5	4.61E-16	2.37E-16	1.22E-16	3.80E-17	2.41E-18	2.15E-03	1.20E-06	5.07E-10	1.68E-13	0.00E+00	
7.320E+02	4	1.39E-17	1.29E-17	9.41E-18	3.11E-18	1.08E-03	2.41E-03	1.38E-06	6.06E-10	2.06E-13	0.00E+00	
5.490E+02	3	3.28E-19	4.64E-19	2.91E-19	3.24E-05	6.99E-04	4.12E-04	3.81E-07	1.66E-10	5.50E-14	0.00E+00	
3.050E+02	2	3.29E-21	1.76E-12	2.97E-08	2.71E-06	1.25E-04	5.12E-05	1.13E-07	4.95E-11	1.61E-14	0.00E+00	
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 6 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	6.52E-08	5.72E-07	6.20E-07	6.62E-07	8.54E-08	1.94E-08	4.11E-09	8.51E-10
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-07	6.47E-06	3.67E-07	6.56E-08	2.39E-08	6.00E-09
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-05	5.53E-06	1.06E-06	3.08E-07
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-05	1.90E-06	3.77E-07	1.26E-07
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-09
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-10
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-12
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-14
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-17
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-19
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-20
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-21
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	1.67E-10	2.03E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	1.48E-09	3.89E-10	2.81E-07	8.27E-08	2.96E-08	1.29E-08	6.70E-09	4.25E-09	4.21E-09	0.00E+00
2.379E+03	39	8.85E-08	1.97E-08	3.24E-06	1.60E-06	7.34E-07	3.59E-07	2.00E-07	1.33E-07	1.18E-07	0.00E+00
2.257E+03	38	4.56E-08	7.00E-07	1.47E-05	9.45E-06	4.90E-06	2.65E-06	1.49E-06	1.02E-06	9.45E-07	0.00E+00
2.196E+03	37	6.58E-09	6.43E-07	2.24E-05	1.92E-05	1.14E-05	6.60E-06	3.82E-06	2.54E-06	2.02E-06	0.00E+00
2.135E+03	36	7.29E-10	1.40E-07	1.89E-05	4.33E-05	2.82E-05	1.73E-05	1.07E-05	6.90E-06	8.07E-06	0.00E+00
2.074E+03	35	6.58E-11	2.31E-08	5.86E-06	1.80E-04	1.08E-04	5.71E-05	3.43E-05	1.92E-05	1.44E-05	0.00E+00
2.013E+03	34	4.78E-12	3.07E-09	2.17E-06	8.21E-04	4.74E-04	2.50E-04	1.34E-04	5.73E-05	1.07E-04	0.00E+00
1.952E+03	33	4.50E-13	3.37E-13	1.15E-06	2.17E-03	1.24E-03	6.50E-04	3.13E-04	1.16E-04	1.14E-04	0.00E+00
1.922E+03	32	5.58E-14	4.44E-17	1.02E-06	3.90E-03	2.21E-03	1.16E-03	4.48E-04	1.67E-03	6.56E-05	0.00E+00
1.891E+03	31	6.63E-15	4.25E-11	1.71E-06	6.85E-03	3.91E-03	2.09E-03	7.80E-04	1.71E-03	6.60E-05	0.00E+00
1.861E+03	30	7.95E-16	3.83E-15	4.09E-03	1.16E-02	6.82E-03	3.81E-03	4.70E-03	2.37E-12	3.89E-14	0.00E+00
1.830E+03	29	7.71E-17	6.82E-16	4.87E-03	1.92E-02	1.16E-02	6.78E-03	8.34E-03	1.43E-12	5.08E-18	0.00E+00
1.800E+03	28	6.48E-18	1.19E-16	9.68E-03	3.08E-02	1.92E-02	1.16E-02	2.11E-02	5.10E-05	1.37E-08	0.00E+00
1.769E+03	27	4.71E-19	1.98E-17	1.19E-02	4.72E-02	3.06E-02	1.89E-02	2.17E-02	5.20E-05	1.43E-08	0.00E+00
1.739E+03	26	3.09E-20	3.18E-18	1.04E-02	6.90E-02	4.65E-02	2.96E-02	3.53E-02	5.06E-12	1.52E-17	0.00E+00

1.708E+03	25	1.82E-21	5.78E-19	5.29E-03	9.58E-02	6.72E-02	4.38E-02	8.31E-02	1.26E-04	2.90E-08	0.00E+00
1.678E+03	24	1.06E-22	1.72E-19	2.08E-03	1.27E-01	9.21E-02	6.14E-02	8.20E-02	1.28E-04	3.04E-08	0.00E+00
1.647E+03	23	6.55E-24	6.74E-20	5.26E-04	1.59E-01	1.20E-01	8.20E-02	9.43E-02	1.17E-11	2.25E-17	0.00E+00
1.617E+03	22	2.04E-25	1.60E-20	9.14E-05	1.91E-01	1.50E-01	1.04E-01	2.03E-01	1.97E-04	3.87E-08	0.00E+00
1.586E+03	21	0.00E+00	1.06E-20	8.37E-09	2.22E-01	1.80E-01	1.27E-01	1.96E-01	2.01E-04	4.08E-08	0.00E+00
1.556E+03	20	0.00E+00	7.76E-25	2.94E-13	2.47E-01	2.07E-01	1.49E-01	1.68E-01	1.82E-11	2.03E-17	0.00E+00
1.525E+03	19	0.00E+00	4.15E-29	9.26E-18	2.64E-01	2.30E-01	1.69E-01	3.28E-01	1.71E-04	2.75E-08	0.00E+00
1.495E+03	18	0.00E+00	3.01E-33	1.64E-03	2.67E-01	2.46E-01	1.85E-01	3.19E-01	1.77E-04	2.93E-08	0.00E+00
1.464E+03	17	0.00E+00	4.64E-34	1.30E-03	2.63E-01	2.55E-01	1.95E-01	2.36E-01	1.96E-11	8.09E-18	0.00E+00
1.434E+03	16	0.00E+00	7.21E-35	8.52E-04	2.52E-01	2.56E-01	1.96E-01	2.81E-04	5.06E-08	5.87E-12	0.00E+00
1.403E+03	15	0.00E+00	1.08E-35	6.28E-04	2.37E-01	2.51E-01	2.11E-01	2.85E-04	5.34E-08	6.40E-12	0.00E+00
1.373E+03	14	0.00E+00	1.61E-36	5.71E-04	2.18E-01	2.40E-01	2.43E-01	2.10E-11	1.98E-17	1.93E-21	0.00E+00
1.342E+03	13	0.00E+00	3.29E-09	3.04E-04	1.99E-01	2.26E-01	3.28E-01	1.50E-04	2.22E-08	2.56E-12	0.00E+00
1.312E+03	12	0.00E+00	4.23E-09	1.26E-04	1.82E-01	2.11E-01	3.14E-01	1.55E-04	2.36E-08	2.78E-12	0.00E+00
1.281E+03	11	1.21E-14	7.63E-09	3.14E-05	1.66E-01	1.91E-01	1.93E-01	1.45E-11	4.55E-18	4.79E-22	0.00E+00
1.220E+03	10	1.72E-12	8.70E-09	5.59E-06	6.87E-02	8.11E-02	6.84E-02	1.48E-05	3.89E-09	7.50E-13	0.00E+00
1.159E+03	9	1.23E-12	7.34E-09	1.11E-06	2.11E-02	2.33E-02	6.64E-02	1.61E-05	4.21E-09	8.23E-13	0.00E+00
1.098E+03	8	8.07E-13	4.36E-09	2.38E-07	6.98E-03	6.34E-03	5.40E-02	1.91E-12	3.59E-19	6.32E-23	0.00E+00
1.037E+03	7	3.89E-12	1.31E-09	5.76E-08	3.82E-03	2.07E-03	3.01E-02	7.77E-06	2.18E-09	4.52E-13	0.00E+00
9.760E+02	6	7.94E-13	2.00E-10	1.13E-08	2.23E-03	7.28E-04	2.74E-02	8.75E-06	2.46E-09	5.23E-13	0.00E+00
8.540E+02	5	6.44E-14	1.87E-11	9.12E-07	2.57E-03	1.04E-03	1.09E-02	5.64E-06	2.73E-09	9.81E-13	0.00E+00
7.320E+02	4	3.77E-15	1.45E-12	1.21E-07	3.93E-04	6.81E-03	1.12E-02	6.04E-06	3.03E-09	1.12E-12	0.00E+00
5.490E+02	3	1.74E-16	8.45E-14	6.99E-09	2.43E-04	1.03E-02	6.13E-03	5.80E-06	2.97E-09	1.10E-12	0.00E+00
3.050E+02	2	2.61E-18	1.11E-11	3.78E-07	6.66E-05	5.01E-03	2.27E-03	4.52E-06	2.25E-09	8.11E-13	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 7 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	4.81E-03	6.33E-03	8.36E-03	1.11E-02	1.41E-02	1.76E-02	2.15E-02	2.75E-02	3.79E-02	5.77E-02	1.28E-04
1.891E+03	31	6.59E-03	8.86E-03	1.18E-02	1.56E-02	1.95E-02	2.40E-02	2.88E-02	3.67E-02	5.28E-02	9.02E-02	1.47E-01
1.861E+03	30	9.20E-03	1.20E-02	1.56E-02	1.99E-02	2.45E-02	2.98E-02	3.59E-02	4.68E-02	7.01E-02	1.26E-01	2.18E-01
1.830E+03	29	1.27E-02	1.61E-02	2.05E-02	2.58E-02	3.16E-02	3.87E-02	4.72E-02	6.29E-02	9.65E-02	1.75E-01	3.07E-01
1.800E+03	28	1.54E-02	1.96E-02	2.51E-02	3.21E-02	4.04E-02	5.03E-02	6.22E-02	8.38E-02	1.30E-01	2.24E-01	3.98E-01
1.769E+03	27	1.66E-02	2.13E-02	2.80E-02	3.69E-02	4.77E-02	6.03E-02	7.53E-02	1.03E-01	1.65E-01	2.91E-01	5.22E-01
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	5.43E-02	6.50E-02	7.87E-02	9.63E-02	1.31E-01	2.11E-01	3.67E-01	6.33E-01
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	6.47E-02	7.82E-02	9.58E-02	1.18E-01	1.63E-01	2.61E-01	4.24E-01	6.78E-01
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	7.63E-02	9.26E-02	1.14E-01	1.40E-01	1.90E-01	2.96E-01	4.14E-01	6.02E-01
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	7.66E-02	9.33E-02	1.15E-01	1.41E-01	1.90E-01	2.88E-01	3.82E-01	5.29E-01
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	6.47E-02	7.86E-02	9.62E-02	1.18E-01	1.58E-01	2.36E-01	3.02E-01	4.04E-01
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	4.50E-02	5.48E-02	6.70E-02	8.18E-02	1.09E-01	1.58E-01	2.04E-01	2.66E-01
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	2.68E-02	3.26E-02	3.98E-02	4.85E-02	6.38E-02	9.05E-02	1.17E-01	1.48E-01
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	1.38E-02	1.68E-02	2.05E-02	2.49E-02	3.23E-02	4.43E-02	5.54E-02	6.83E-02
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	6.17E-03	7.43E-03	9.01E-03	1.08E-02	1.35E-02	1.71E-02	2.04E-02	2.42E-02
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	1.98E-03	2.50E-03	3.05E-03	3.41E-03	3.84E-03	4.17E-03	4.86E-03	5.58E-03
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	5.44E-04	5.96E-04	6.16E-04	6.99E-04	7.09E-04
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	5.38E-05	5.84E-05	5.70E-05	6.20E-05	3.13E-05
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	2.13E-07	5.97E-07	6.37E-07	6.79E-07	1.44E-07	3.80E-08	8.69E-09	1.92E-09
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-06	1.39E-05	9.58E-07	1.69E-07	5.81E-08	1.52E-08
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-10	1.19E-04	1.15E-05	2.38E-06	7.36E-07
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-15	1.26E-04	1.90E-06	5.82E-07	2.40E-07
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-09
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-10
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-12
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-14
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-39	3.70E-42	0.00E+00	0.00E+00	0.00E+00	2.83E-16
1.922E+03	32	3.86E-08	6.93E-12	0.00E+00	0.00E+00	0.00E+00	2.48E-34	1.25E-37	9.62E-41	8.41E-45	0.00E+00	0.00E+00
1.891E+03	31	2.48E-01	3.22E-01	3.38E-02	0.00E+00	0.00E+00	4.74E-30	2.59E-33	2.38E-36	2.58E-40	4.20E-45	0.00E+00
1.861E+03	30	3.83E-01	5.15E-01	9.65E-02	0.00E+00	0.00E+00	1.05E-25	4.79E-29	8.21E-33	7.80E-37	4.37E-41	1.40E-45
1.830E+03	29	5.17E-01	6.97E-01	2.24E-01	0.00E+00	0.00E+00	2.26E-21	8.54E-25	1.04E-28	1.05E-32	3.67E-37	1.39E-41
1.800E+03	28	6.67E-01	8.80E-01	1.03E+00	0.00E+00	0.00E+00	4.53E-17	1.30E-20	1.29E-24	1.38E-28	6.94E-33	2.22E-37
1.769E+03	27	8.09E-01	1.05E+00	1.32E+00	2.32E-04	3.50E-08	9.02E-13	1.43E-16	1.03E-20	3.45E-25	2.20E-29	6.46E-34
1.739E+03	26	9.38E-01	1.19E+00	1.46E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	9.66E-01	1.24E+00	1.49E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	8.12E-01	1.12E+00	1.37E+00	1.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	7.01E-01	9.42E-01	1.13E+00	1.18E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-42	1.35E-01
1.617E+03	22	5.22E-01	6.44E-01	7.88E-01	8.06E-01	7.84E-04	3.24E-07	0.00E+00	0.00E+00	0.00E+00	9.49E-38	9.19E-01
1.586E+03	21	3.35E-01	4.07E-01	4.89E-01	4.96E-01	5.89E-04	2.52E-07	0.00E+00	0.00E+00	0.00E+00	4.33E-33	4.86E-37
1.556E+03	20	1.83E-01	2.18E-01	2.53E-01	2.63E-01	3.95E-04	1.74E-07	0.00E+00	0.00E+00	0.00E+00	2.47E-28	2.15E-32
1.525E+03	19	8.21E-02	9.57E-02	9.69E-02	1.10E-01	1.15E-01	1.14E-01	0.00E+00	0.00E+00	0.00E+00	1.83E-23	1.26E-27
1.495E+03	18	2.82E-02	3.20E-02	2.14E-02	2.70E-02	3.03E-02	2.97E-02	1.55E-05	2.97E-10	2.65E-14	1.91E-18	1.10E-22
1.464E+03	17	6.33E-03	7.04E-03	4.68E-03	5.78E-03	6.38E-03	6.16E-03	5.03E-06	1.08E-10	9.83E-15	7.23E-19	4.22E-23
1.434E+03	16	7.38E-04	7.75E-04	5.24E-04	6.09E-04	6.69E-04	6.33E-04	6.32E-07	1.86E-11	1.74E-15	1.31E-19	7.69E-24
1.403E+03	15	1.90E-05	1.38E-05	1.15E-05	1.74E-05	1.80E-05	1.52E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-24	2.21E-28
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-29	6.37E-33
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-33	2.16E-37
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-38	1.98E-39
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-40	1.56E-40
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-41	9.60E-42
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-43	5.59E-43
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-45	2.66E-44
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-19
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-19
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-20
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
2.684E+03	41	3.99E-10	5.62E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

2.501E+03	40	3.82E-09	8.29E-07	5.29E-07	1.26E-07	4.03E-08	1.64E-08	8.20E-09	5.11E-09	4.93E-09	0.00E+00
2.379E+03	39	2.18E-07	7.88E-06	6.32E-06	2.53E-06	1.03E-06	4.67E-07	2.48E-07	1.61E-07	1.39E-07	0.00E+00
2.257E+03	38	9.98E-08	1.30E-05	3.08E-05	1.58E-05	7.17E-06	3.61E-06	1.91E-06	1.23E-06	1.10E-06	0.00E+00
2.196E+03	37	1.51E-08	1.12E-05	3.98E-05	3.19E-05	1.71E-05	9.23E-06	5.03E-06	3.17E-06	2.45E-06	0.00E+00
2.135E+03	36	1.74E-09	1.90E-06	4.77E-05	9.13E-05	4.86E-05	2.65E-05	1.52E-05	9.12E-06	1.03E-05	0.00E+00
2.074E+03	35	1.61E-10	2.14E-07	1.69E-05	4.30E-04	2.03E-04	9.56E-05	5.15E-05	2.68E-05	1.91E-05	0.00E+00
2.013E+03	34	1.06E-11	6.06E-04	6.16E-03	1.94E-03	8.82E-04	4.06E-04	1.99E-04	8.24E-05	1.40E-04	0.00E+00
1.952E+03	33	9.28E-13	1.87E-03	1.79E-02	5.12E-03	2.29E-03	1.04E-03	4.62E-04	1.66E-04	1.48E-04	0.00E+00
1.922E+03	32	1.10E-13	2.83E-03	3.00E-02	9.10E-03	4.06E-03	1.85E-03	7.28E-04	2.19E-03	7.68E-05	0.00E+00
1.891E+03	31	1.28E-14	2.63E-03	4.59E-02	1.57E-02	7.08E-03	3.29E-03	1.23E-03	2.23E-03	7.72E-05	0.00E+00
1.861E+03	30	1.64E-15	2.29E-04	2.86E-02	2.60E-02	1.21E-02	5.95E-03	6.66E-03	3.25E-12	4.65E-14	0.00E+00
1.830E+03	29	1.72E-16	2.92E-05	2.70E-02	4.19E-02	2.03E-02	1.04E-02	1.17E-02	2.00E-12	5.57E-18	0.00E+00
1.800E+03	28	1.54E-17	3.76E-06	4.52E-02	6.53E-02	3.28E-02	1.76E-02	2.79E-02	5.72E-05	1.49E-08	0.00E+00
1.769E+03	27	1.18E-18	4.71E-07	5.30E-02	9.63E-02	5.06E-02	2.80E-02	2.89E-02	5.82E-05	1.55E-08	0.00E+00
1.739E+03	26	8.09E-20	5.90E-08	4.93E-02	1.34E-01	7.42E-02	4.29E-02	4.68E-02	6.74E-12	1.65E-17	0.00E+00
1.708E+03	25	5.00E-21	7.61E-09	2.88E-02	1.76E-01	1.03E-01	6.19E-02	1.03E-01	1.39E-04	3.10E-08	0.00E+00
1.678E+03	24	3.06E-22	9.71E-10	1.42E-02	2.19E-01	1.35E-01	8.41E-02	1.02E-01	1.41E-04	3.25E-08	0.00E+00
1.647E+03	23	1.53E-02	2.95E-03	5.65E-03	2.57E-01	1.69E-01	1.09E-01	1.17E-01	1.45E-11	2.39E-17	0.00E+00
1.617E+03	22	6.78E-02	9.18E-03	2.06E-03	2.87E-01	2.01E-01	1.35E-01	2.34E-01	2.11E-04	4.06E-08	0.00E+00
1.586E+03	21	1.97E-01	1.31E-01	1.07E-01	3.08E-01	2.29E-01	1.60E-01	2.26E-01	2.16E-04	4.27E-08	0.00E+00
1.556E+03	20	3.03E-01	2.40E-01	2.14E-01	3.17E-01	2.52E-01	1.83E-01	1.93E-01	2.11E-11	2.12E-17	0.00E+00
1.525E+03	19	1.07E-01	1.57E-01	1.99E-01	3.12E-01	2.67E-01	2.02E-01	3.55E-01	1.79E-04	2.83E-08	0.00E+00
1.495E+03	18	3.83E-27	1.15E-02	3.70E-02	2.94E-01	2.74E-01	2.17E-01	3.45E-01	1.85E-04	3.01E-08	0.00E+00
1.464E+03	17	2.10E-27	1.35E-03	1.18E-02	2.70E-01	2.74E-01	2.27E-01	2.60E-01	2.18E-11	8.33E-18	0.00E+00
1.434E+03	16	5.00E-28	1.58E-04	5.42E-03	2.43E-01	2.66E-01	2.28E-01	2.89E-04	5.16E-08	5.96E-12	0.00E+00
1.403E+03	15	1.98E-29	1.79E-05	3.26E-03	2.14E-01	2.54E-01	2.34E-01	2.93E-04	5.45E-08	6.49E-12	0.00E+00
1.373E+03	14	9.36E-31	2.06E-06	2.46E-03	1.86E-01	2.37E-01	2.35E-01	2.03E-11	1.98E-17	1.92E-21	0.00E+00
1.342E+03	13	7.19E-32	2.68E-07	1.28E-03	1.64E-01	2.19E-01	3.14E-01	1.44E-04	2.13E-08	2.46E-12	0.00E+00
1.312E+03	12	4.57E-33	6.47E-08	5.54E-04	1.50E-01	2.04E-01	3.00E-01	1.48E-04	2.27E-08	2.67E-12	0.00E+00
1.281E+03	11	3.90E-12	7.03E-08	1.48E-04	1.48E-01	1.88E-01	1.87E-01	1.39E-11	4.38E-18	4.62E-22	0.00E+00
1.220E+03	10	2.55E-11	5.64E-08	2.35E-05	8.60E-02	1.70E-01	8.02E-02	1.86E-05	4.12E-09	7.63E-13	0.00E+00
1.159E+03	9	9.59E-12	4.57E-08	4.14E-06	3.45E-02	1.42E-01	8.81E-02	2.06E-05	4.45E-09	8.36E-13	0.00E+00
1.098E+03	8	4.02E-12	2.49E-08	1.56E-06	1.35E-02	8.96E-02	9.29E-02	5.55E-12	3.96E-19	6.56E-23	0.00E+00
1.037E+03	7	1.31E-11	6.64E-09	2.53E-06	1.08E-02	6.04E-02	3.85E-02	9.95E-06	2.37E-09	4.73E-13	0.00E+00
9.760E+02	6	2.38E-12	8.54E-10	3.09E-06	7.23E-03	3.76E-02	3.80E-02	1.12E-05	2.67E-09	5.46E-13	0.00E+00
8.540E+02	5	1.83E-13	6.79E-11	6.65E-06	4.48E-03	1.92E-02	1.37E-02	6.55E-06	2.86E-09	1.01E-12	0.00E+00
7.320E+02	4	9.81E-15	4.82E-12	7.13E-07	1.21E-03	1.52E-02	1.34E-02	6.94E-06	3.17E-09	1.15E-12	0.00E+00
5.490E+02	3	4.26E-16	2.61E-13	3.37E-08	5.45E-04	1.54E-02	1.19E-02	6.65E-06	3.10E-09	1.13E-12	0.00E+00
3.050E+02	2	5.83E-18	3.90E-11	1.24E-06	2.73E-04	1.51E-02	9.37E-03	5.22E-06	2.36E-09	8.36E-13	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 8 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

	I =	1	2	3	4	5	6	7	8	9	10	11
	X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02
Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-08
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-08	5.16E-08	1.40E-07
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.87E-07	7.09E-07
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-07	9.49E-07	2.22E-06
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-07	2.23E-06	5.29E-06
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	5.97E-06	1.25E-05
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-06	2.28E-05	3.58E-05
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	1.40E-04	9.74E-05
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-05
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-03
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-02
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

	I =	12	13	14	15	16	17	18	19	20	21	22
	X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03
Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	2.24E-06	4.07E-06	7.76E-06
2.196E+03	37	0.00E+00	3.38E-08	6.71E-08	1.50E-07	3.44E-07	9.20E-07	2.10E-06	4.38E-06	8.53E-06	1.58E-05	2.82E-05
2.135E+03	36	5.45E-08	1.44E-07	3.70E-07	8.82E-07	1.96E-06	4.38E-06	8.49E-06	1.56E-05	2.76E-05	4.75E-05	7.91E-05
2.074E+03	35	3.54E-07	8.15E-07	1.75E-06	3.53E-06	6.79E-06	1.27E-05	2.16E-05	3.91E-05	6.96E-05	1.19E-04	1.96E-04
2.013E+03	34	1.59E-06	3.27E-06	6.37E-06	1.15E-05	2.01E-05	3.42E-05	5.76E-05	1.02E-04	1.77E-04	2.95E-04	4.75E-04
1.952E+03	33	4.68E-06	9.17E-06	1.71E-05	3.01E-05	5.15E-05	8.69E-05	1.45E-04	2.44E-04	3.97E-04	6.24E-04	9.83E-04
1.922E+03	32	1.07E-05	1.97E-05	3.52E-05	5.96E-05	1.01E-04	1.72E-04	2.59E-04	3.98E-04	6.13E-04	9.40E-04	1.56E-03
1.891E+03	31	2.17E-05	3.56E-05	5.84E-05	9.45E-05	1.56E-04	2.64E-04	3.96E-04	6.10E-04	9.43E-04	1.44E-03	2.38E-03
1.861E+03	30	4.74E-05	6.50E-05	9.66E-05	1.49E-04	2.41E-04	4.06E-04	6.02E-04	9.26E-04	1.44E-03	2.17E-03	3.51E-03
1.830E+03	29	8.52E-05	9.96E-05	1.44E-04	2.24E-04	3.68E-04	6.21E-04	9.18E-04	1.40E-03	2.20E-03	3.22E-03	5.03E-03
1.800E+03	28	5.63E-05	1.11E-04	2.07E-04	3.56E-04	5.92E-04	9.78E-04	1.40E-03	2.07E-03	3.17E-03	4.50E-03	6.73E-03
1.769E+03	27	1.18E-04	2.69E-04	4.85E-04	7.61E-04	1.14E-03	1.70E-03	2.25E-03	3.08E-03	4.38E-03	6.04E-03	8.53E-03
1.739E+03	26	5.15E-04	1.04E-03	1.51E-03	1.93E-03	2.42E-03	3.10E-03	3.68E-03	4.61E-03	6.04E-03	8.13E-03	1.12E-02
1.708E+03	25	5.69E-03	5.18E-03	4.92E-03	4.78E-03	4.81E-03	5.19E-03	5.44E-03	6.26E-03	7.73E-03	1.00E-02	1.36E-02
1.678E+03	24	1.73E-02	1.21E-02	9.27E-03	7.20E-03	5.91E-03	5.64E-03	5.60E-03	6.33E-03	7.85E-03	1.04E-02	1.47E-02
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	1.19E-03	1.72E-03	2.52E-03	3.34E-03	4.61E-03	6.51E-03	9.18E-03	1.29E-02
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	9.45E-04	1.43E-03	2.16E-03	3.08E-03	4.48E-03	6.02E-03	8.26E-03	1.13E-02
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	7.20E-04	1.10E-03	1.66E-03	2.32E-03	3.31E-03	4.40E-03	5.98E-03	8.13E-03
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04	1.14E-03	1.52E-03	2.10E-03	2.74E-03	3.68E-03	4.96E-03
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	5.48E-04	7.41E-04	1.04E-03	1.39E-03	1.89E-03	2.58E-03
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	2.30E-04	3.38E-04	4.99E-04	7.36E-04	1.05E-03	1.42E-03
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-05	9.04E-05	1.41E-04	2.15E-04	3.04E-04	4.02E-04	5.15E-04
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-05	6.55E-05	8.43E-05
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-06	6.09E-06	7.77E-06
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-27
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-19
2.257E+03	38	1.36E-05	2.26E-05	3.65E-05	5.80E-05	9.17E-05	1.41E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	2.57E-13
2.196E+03	37	4.79E-05	7.77E-05	1.25E-04	1.98E-04	3.07E-04	4.61E-04	6.55E-04	1.02E-03	2.01E-03	2.75E-03	7.13E-08
2.135E+03	36	1.27E-04	1.96E-04	3.14E-04	4.98E-04	7.67E-04	1.14E-03	1.61E-03	2.52E-03	3.62E-03	4.08E-03	0.00E+00
2.074E+03	35	3.12E-04	4.85E-04	7.92E-04	1.24E-03	1.85E-03	2.67E-03	3.67E-03	5.65E-03	7.72E-03	8.17E-03	1.10E-05
2.013E+03	34	7.51E-04	1.19E-03	1.94E-03	3.00E-03	4.40E-03	6.21E-03	8.30E-03	1.22E-02	1.87E-02	2.86E-02	4.77E-05
1.952E+03	33	1.56E-03	2.65E-03	4.27E-03	6.47E-03	9.13E-03	1.22E-02	1.55E-02	2.09E-02	3.07E-02	4.68E-02	1.22E-04
1.922E+03	32	2.91E-03	5.47E-03	8.43E-03	1.20E-02	1.58E-02	2.01E-02	2.45E-02	3.16E-02	4.44E-02	6.60E-02	1.06E-01
1.891E+03	31	4.38E-03	7.81E-03	1.18E-02	1.62E-02	2.09E-02	2.61E-02	3.11E-02	4.02E-02	5.98E-02	1.03E-01	1.70E-01
1.861E+03	30	6.32E-03	1.06E-02	1.55E-02	2.01E-02	2.54E-02	3.16E-02	3.87E-02	5.17E-02	8.01E-02	1.45E-01	2.51E-01
1.830E+03	29	8.89E-03	1.47E-02	2.09E-02	2.68E-02	3.36E-02	4.20E-02	5.20E-02	7.06E-02	1.11E-01	2.02E-01	3.56E-01
1.800E+03	28	1.16E-02	1.87E-02	2.67E-02	3.56E-02	4.56E-02	5.73E-02	7.10E-02	9.59E-02	1.51E-01	2.67E-01	4.79E-01
1.769E+03	27	1.47E-02	2.26E-02	3.18E-02	4.16E-02	5.35E-02	6.77E-02	8.46E-02	1.17E-01	1.90E-01	3.43E-01	6.29E-01
1.739E+03	26	1.55E-02	2.29E-02	3.26E-02	4.30E-02	5.96E-02	7.84E-02	1.01E-01	1.44E-01	2.40E-01	4.33E-01	7.68E-01
1.708E+03	25	1.82E-02	2.63E-02	3.78E-02	5.16E-02	7.26E-02	9.65E-02	1.25E-01	1.79E-01	2.98E-01	5.09E-01	8.47E-01
1.678E+03	24	1.97E-02	2.80E-02	3.96E-02	5.94E-02	8.64E-02	1.16E-01	1.50E-01	2.11E-01	3.40E-01	5.28E-01	8.10E-01
1.647E+03	23	1.79E-02	2.60E-02	3.74E-02	5.91E-02	8.75E-02	1.18E-01	1.52E-01	2.12E-01	3.31E-01	4.89E-01	7.15E-01
1.617E+03	22	1.55E-02	2.23E-02	3.18E-02	5.00E-02	7.39E-02	9.92E-02	1.28E-01	1.77E-01	2.72E-01	3.89E-01	5.45E-01
1.586E+03	21	1.10E-02	1.58E-02	2.24E-02	3.50E-02	5.15E-02	6.90E-02	8.85E-02	1.21E-01	1.81E-01	2.65E-01	3.59E-01
1.556E+03	20	6.69E-03	9.54E-03	1.35E-02	2.08E-02	3.06E-02	4.09E-02	5.23E-02	7.10E-02	1.04E-01	1.52E-01	2.00E-01
1.525E+03	19	3.51E-03	5.02E-03	7.06E-03	1.07E-02	1.57E-02	2.10E-02	2.68E-02	3.59E-02	5.07E-02	7.21E-02	9.20E-02
1.495E+03	18	1.91E-03	2.57E-03	3.42E-03	4.87E-03	6.96E-03	9.20E-03	1.16E-02	1.51E-02	1.99E-02	2.67E-02	3.26E-02
1.464E+03	17	6.64E-04	8.54E-04	1.09E-03	1.44E-03	2.06E-03	2.88E-03	3.60E-03	4.44E-03	5.19E-03	6.54E-03	7.64E-03
1.434E+03	16	1.09E-04	1.38E-04	1.75E-04	2.20E-04	2.81E-04	3.98E-04	5.38E-04	6.75E-04	7.62E-04	9.39E-04	1.00E-03
1.403E+03	15	1.01E-05	1.28E-05	1.63E-05	2.07E-05	2.65E-05	3.82E-05	5.36E-05	6.67E-05	7.05E-05	8.35E-05	6.26E-05
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	5.21E-42	5.65E-07	6.15E-07	5.64E-07	6.10E-07	6.66E-07	1.99E-07	6.09E-08	1.53E-08	3.70E-09
2.501E+03	40	6.67E-31	4.66E-35	3.76E-36	1.80E-40	1.39E-05	1.43E-05	1.46E-05	1.62E-06	3.30E-07	1.19E-07	3.31E-08
2.379E+03	39	7.03E-23	6.33E-27	4.49E-31	4.48E-35	1.47E-04	1.50E-04	1.50E-04	1.38E-04	1.86E-05	4.47E-06	1.50E-06
2.257E+03	38	4.73E-17	4.86E-21	4.25E-25	1.61E-28	1.41E-32	2.34E-10	1.11E-03	1.60E-03	6.60E-05	1.12E-05	2.93E-06
2.196E+03	37	7.70E-12	6.64E-16	4.90E-20	3.59E-24	2.01E-28	9.50E-16	1.55E-02	2.41E-02	7.87E-04	1.04E-04	2.39E-05
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-02	7.60E-02	1.93E-03	2.19E-04	4.83E-05
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	6.65E-05
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-44	0.00E+00	0.00E+00	6.85E-01	3.40E-02	5.72E-03
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-40	4.76E-43	0.00E+00	2.04E+00	8.40E-02	1.21E-02
1.922E+03	32	1.41E-01	1.82E-01	0.00E+00	0.00E+00	0.00E+00	3.37E-35	1.64E-38	1.22E-41	2.64E+00	8.32E-02	1.09E-02
1.891E+03	31	2.74E-01	3.17E-01	4.33E-03	0.00E+00	0.00E+00	6.59E-31	3.47E-34	3.78E-37	3.02E+00	5.41E-02	6.42E-03
1.861E+03	30	4.40E-01	5.85E-01	1.42E-02	0.00E+00	0.00E+00	1.40E-26	6.31E-30	9.51E-34	8.25E-38	1.16E-01	1.05E-02
1.830E+03	29	6.10E-01	7.99E-01	4.27E-02	0.00E+00	0.00E+00	2.74E-22	1.08E-25	1.19E-29	1.26E-33	3.14E+00	2.33E-01
1.800E+03	28	8.01E-01	1.03E+00	2.74E-01	0.00E+00	0.00E+00	4.50E-18	1.50E-21	1.42E-25	2.12E-29	3.66E+00	2.80E-01
1.769E+03	27	9.95E-01	1.25E+00	4.99E-01	1.67E-04	3.49E-08	5.66E-14	1.35E-17	1.03E-21	3.67E-26	3.24E+00	2.19E-01
1.739E+03	26	1.16E+00	1.44E+00	6.16E-01	1.69E-04	3.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E+00	1.71E-01
1.708E+03	25	1.22E+00	1.52E+00	5.26E-01	1.28E-04	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E+00	1.18E-01
1.678E+03	24	1.11E+00	1.43E+00	1.53E+00	1.57E+00	2.56E-03	1.01E-06	0.00E+00	0.00E+00	0.00E+00	1.91E+00	7.59E-02
1.647E+03	23	9.48E-01	1.21E+00	1.42E+00	1.42E+00	2.86E-03	1.17E-06	0.00E+00	0.00E+00	0.00E+00	1.42E+00	5.52E-01
1.617E+03	22	7.04E-01	8.58E-01	1.01E+00	9.75E-01	1.08E+00	1.12E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-01	1.08E+00
1.586E+03	21	4.53E-01	5.41E-01	6.26E-01	6.05E-01	6.79E-01	6.93E-01	5.66E-04	3.37E-08	2.42E-12	7.01E-01	7.23E-01
1.556E+03	20	2.46E-01	2.88E-01	3.25E-01	3.23E-01	3.53E-01	3.44E-01	3.64E-04	2.24E-08	1.65E-12	3.60E-01	3.76E-01
1.525E+03	19	1.10E-01	1.26E-01	1.31E-01	1.41E-01	1.43E-01	1.34E-01	2.03E-04	1.29E-08	9.74E-13	1.42E-01	1.53E-01
1.495E+03	18	3.79E-02	4.24E-02	3.61E-02	3.86E-02	3.96E-02	3.61E-02	3.69E-02	3.36E-02	3.65E-02	4.34E-02	5.01E-02
1.464E+03	17	8.59E-03	9.40E-03	7.92E-03	8.31E-03	8.39E-03	7.51E-03	7.88E-03	7.67E-03	9.11E-03	1.14E-02	1.39E-02
1.434E+03	16	1.05E-03	1.09E-03	9.15E-04	9.34E-04	9.12E-04	7.90E-04	8.28E-04	8.44E-04	1.13E-03	1.59E-03	2.09E-03
1.403E+03	15	4.63E-05	3.62E-05	2.99E-05	3.32E-05	3.04E-05	2.27E-05	2.31E-05	2.77E-05	4.82E-05	8.06E-05	1.50E-04
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-30	1.01E-05
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-35	5.55E-07
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-38	3.64E-39
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-39	3.79E-40
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-41	2.95E-41
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-42	2.06E-42
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-44	1.14E-43

1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-45
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-18
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-19
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-20
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	8.38E-10	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	5.37E-07	3.63E-06	9.67E-07	1.95E-07	5.70E-08	2.19E-08	1.05E-08	6.35E-09	6.01E-09	0.00E+00
2.379E+03	39	5.30E-07	2.63E-05	1.13E-05	3.95E-06	1.48E-06	6.33E-07	3.21E-07	2.03E-07	1.71E-07	0.00E+00
2.257E+03	38	7.70E-07	7.61E-05	5.71E-05	2.58E-05	1.07E-05	4.99E-06	2.51E-06	1.54E-06	1.35E-06	0.00E+00
2.196E+03	37	5.24E-06	7.94E-05	7.45E-05	5.52E-05	2.69E-05	1.33E-05	6.85E-06	4.10E-06	3.08E-06	0.00E+00
2.135E+03	36	1.07E-05	1.61E-05	2.26E-04	1.86E-04	8.56E-05	4.17E-05	2.19E-05	1.24E-05	1.34E-05	0.00E+00
2.074E+03	35	1.49E-05	3.87E-06	7.80E-04	8.81E-04	3.67E-04	1.59E-04	7.76E-05	3.80E-05	2.59E-05	0.00E+00
2.013E+03	34	9.85E-04	1.57E-03	9.21E-03	3.73E-03	1.55E-03	6.56E-04	2.96E-04	1.19E-04	1.87E-04	0.00E+00
1.952E+03	33	2.03E-03	4.49E-03	2.56E-02	9.58E-03	3.93E-03	1.65E-03	6.86E-04	2.38E-04	1.95E-04	0.00E+00
1.922E+03	32	1.88E-03	6.21E-03	4.21E-02	1.66E-02	6.85E-03	2.89E-03	1.11E-03	2.88E-03	9.06E-05	0.00E+00
1.891E+03	31	1.19E-03	5.03E-03	6.28E-02	2.80E-02	1.17E-02	5.09E-03	1.86E-03	2.91E-03	9.07E-05	0.00E+00
1.861E+03	30	2.17E-03	1.03E-03	6.27E-02	4.56E-02	1.98E-02	9.07E-03	9.54E-03	4.47E-12	5.63E-14	0.00E+00
1.830E+03	29	4.33E-02	7.08E-03	7.52E-02	7.18E-02	3.24E-02	1.57E-02	1.65E-02	2.83E-12	6.28E-18	0.00E+00
1.800E+03	28	5.38E-02	1.06E-02	1.19E-01	1.09E-01	5.12E-02	2.59E-02	3.76E-02	6.64E-05	1.66E-08	0.00E+00
1.769E+03	27	4.18E-02	9.63E-03	1.40E-01	1.54E-01	7.67E-02	4.04E-02	3.90E-02	6.73E-05	1.72E-08	0.00E+00
1.739E+03	26	3.04E-02	7.95E-03	1.40E-01	2.05E-01	1.09E-01	6.02E-02	6.24E-02	9.02E-12	1.83E-17	0.00E+00
1.708E+03	25	1.96E-02	5.60E-03	9.78E-02	2.55E-01	1.45E-01	8.45E-02	1.29E-01	1.57E-04	3.38E-08	0.00E+00
1.678E+03	24	1.10E-02	3.06E-03	6.13E-02	2.99E-01	1.83E-01	1.11E-01	1.27E-01	1.59E-04	3.54E-08	0.00E+00
1.647E+03	23	7.46E-02	1.63E-02	3.46E-02	3.29E-01	2.19E-01	1.40E-01	1.44E-01	1.81E-11	2.59E-17	0.00E+00
1.617E+03	22	1.47E-01	2.88E-02	1.13E-02	3.42E-01	2.48E-01	1.68E-01	2.73E-01	2.30E-04	4.32E-08	0.00E+00
1.586E+03	21	4.08E-01	2.01E-01	1.58E-01	3.42E-01	2.71E-01	1.93E-01	2.63E-01	2.35E-04	4.54E-08	0.00E+00
1.556E+03	20	3.89E-01	2.87E-01	2.51E-01	3.28E-01	2.84E-01	2.15E-01	2.21E-01	2.44E-11	2.25E-17	0.00E+00
1.525E+03	19	1.48E-01	1.83E-01	2.19E-01	3.01E-01	2.89E-01	2.31E-01	3.86E-01	1.88E-04	2.93E-08	0.00E+00
1.495E+03	18	4.86E-03	2.47E-02	7.43E-02	2.64E-01	2.85E-01	2.42E-01	3.74E-01	1.94E-04	3.12E-08	0.00E+00
1.464E+03	17	1.90E-03	4.06E-03	3.16E-02	2.27E-01	2.73E-01	2.49E-01	2.81E-01	2.38E-11	8.65E-18	0.00E+00
1.434E+03	16	3.89E-04	6.35E-04	1.60E-02	1.90E-01	2.57E-01	2.45E-01	2.98E-04	5.28E-08	6.04E-12	0.00E+00
1.403E+03	15	4.30E-05	8.97E-05	9.26E-03	1.56E-01	2.37E-01	2.46E-01	3.02E-04	5.56E-08	6.58E-12	0.00E+00
1.373E+03	14	4.44E-06	1.23E-05	6.08E-03	1.27E-01	2.14E-01	2.15E-01	1.87E-11	1.98E-17	1.90E-21	0.00E+00
1.342E+03	13	5.22E-07	1.85E-06	3.24E-03	1.06E-01	1.94E-01	2.86E-01	1.33E-04	1.99E-08	2.31E-12	0.00E+00
1.312E+03	12	3.88E-08	4.10E-07	1.54E-03	9.68E-02	1.80E-01	2.73E-01	1.38E-04	2.12E-08	2.51E-12	0.00E+00
1.281E+03	11	3.29E-09	5.02E-07	4.83E-04	1.12E-01	1.72E-01	1.72E-01	1.28E-11	4.11E-18	4.35E-22	0.00E+00
1.220E+03	10	3.79E-10	3.18E-07	7.90E-05	8.67E-02	1.69E-01	7.65E-02	2.01E-05	4.22E-09	7.60E-13	0.00E+00
1.159E+03	9	6.16E-11	2.67E-07	1.37E-05	3.91E-02	1.45E-01	8.49E-02	2.21E-05	4.55E-09	8.33E-13	0.00E+00
1.098E+03	8	1.67E-11	1.32E-07	6.57E-05	1.32E-02	9.34E-02	9.32E-02	5.64E-12	4.21E-19	6.75E-23	0.00E+00
1.037E+03	7	3.74E-11	3.69E-08	5.84E-05	9.53E-03	6.48E-02	3.84E-02	1.12E-05	2.55E-09	4.95E-13	0.00E+00
9.760E+02	6	6.50E-12	4.34E-09	3.93E-05	5.79E-03	4.10E-02	3.83E-02	1.26E-05	2.86E-09	5.70E-13	0.00E+00
8.540E+02	5	4.89E-13	3.09E-10	2.55E-05	3.00E-03	2.05E-02	1.37E-02	7.16E-06	3.01E-09	1.05E-12	0.00E+00
7.320E+02	4	2.50E-14	2.00E-11	4.73E-06	1.48E-03	1.26E-02	1.34E-02	7.55E-06	3.31E-09	1.19E-12	0.00E+00
5.490E+02	3	1.04E-15	9.96E-13	2.06E-07	7.65E-04	1.46E-02	1.21E-02	7.25E-06	3.24E-09	1.17E-12	0.00E+00
3.050E+02	2	1.30E-17	1.23E-10	3.30E-06	5.91E-04	1.51E-02	9.70E-03	5.74E-06	2.48E-09	8.65E-13	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 9 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-11	3.47E-11	2.42E-10
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-10	4.37E-10	7.97E-09
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-09	3.70E-08	1.37E-07
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-08	2.09E-07	6.81E-07
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-07	6.82E-07	2.03E-06
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-07	1.40E-06	4.25E-06
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-07	2.97E-06	8.33E-06
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	6.14E-06	1.70E-05
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-02	7.16E-06	2.58E-05
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06	1.22E-05
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	1.58E-05
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	1.83E-05
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-01
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	1.98E-10	4.77E-10	1.11E-09	3.60E-09	1.29E-08	4.02E-08	1.27E-07	3.41E-07	9.21E-07	
2.257E+03	38	0.00E+00	0.00E+00	6.03E-09	1.18E-08	2.33E-08	8.02E-08	2.65E-07	7.52E-07	2.00E-06	4.25E-06	8.62E-06	
2.196E+03	37	2.88E-09	1.51E-08	5.93E-08	1.62E-07	4.00E-07	1.08E-06	2.47E-06	5.09E-06	9.83E-06	1.81E-05	3.22E-05	
2.135E+03	36	4.73E-08	1.54E-07	4.18E-07	1.02E-06	2.32E-06	5.19E-06	1.01E-05	1.85E-05	3.25E-05	5.53E-05	9.15E-05	
2.074E+03	35	3.83E-07	9.18E-07	2.01E-06	4.11E-06	8.02E-06	1.52E-05	2.75E-05	4.91E-05	8.55E-05	1.44E-04	2.35E-04	
2.013E+03	34	1.69E-06	3.65E-06	7.26E-06	1.36E-05	2.42E-05	4.19E-05	7.39E-05	1.29E-04	2.19E-04	3.60E-04	5.73E-04	
1.952E+03	33	4.75E-06	9.84E-06	1.90E-05	3.47E-05	6.12E-05	1.06E-04	1.87E-04	3.14E-04	5.06E-04	7.92E-04	1.22E-03	
1.922E+03	32	9.85E-06	1.99E-05	3.72E-05	6.66E-05	1.17E-04	2.05E-04	3.48E-04	5.62E-04	8.82E-04	1.36E-03	2.11E-03	
1.891E+03	31	1.77E-05	3.31E-05	5.91E-05	1.03E-04	1.77E-04	3.08E-04	5.20E-04	8.44E-04	1.34E-03	2.06E-03	3.18E-03	
1.861E+03	30	3.23E-05	5.53E-05	9.39E-05	1.60E-04	2.75E-04	4.73E-04	7.88E-04	1.28E-03	2.04E-03	3.08E-03	4.66E-03	
1.830E+03	29	4.43E-05	7.52E-05	1.32E-04	2.34E-04	4.11E-04	7.16E-04	1.19E-03	1.93E-03	3.06E-03	4.49E-03	6.61E-03	
1.800E+03	28	3.26E-05	8.14E-05	1.78E-04	3.47E-04	6.28E-04	1.09E-03	1.78E-03	2.81E-03	4.24E-03	6.05E-03	8.72E-03	
1.769E+03	27	5.13E-05	1.58E-04	3.55E-04	6.65E-04	1.12E-03	1.80E-03	2.75E-03	4.08E-03	5.82E-03	8.15E-03	1.16E-02	
1.739E+03	26	9.95E-05	4.11E-04	8.67E-04	1.43E-03	2.13E-03	3.04E-03	4.25E-03	5.88E-03	8.16E-03	1.13E-02	1.57E-02	
1.708E+03	25	1.51E-04	1.18E-03	2.07E-03	2.84E-03	3.59E-03	4.56E-03	5.84E-03	7.62E-03	1.02E-02	1.38E-02	1.90E-02	
1.678E+03	24	2.44E-04	1.74E-03	2.66E-03	3.37E-03	3.80E-03	4.58E-03	5.78E-03	7.57E-03	1.02E-02	1.42E-02	2.01E-02	
1.647E+03	23	1.25E-04	2.20E-04	3.77E-04	6.18E-04	1.23E-03	2.19E-03	3.62E-03	5.65E-03	8.49E-03	1.25E-02	1.79E-02	
1.617E+03	22	1.08E-04	1.88E-04	3.21E-04	5.09E-04	1.11E-03	2.00E-03	3.29E-03	5.16E-03	7.65E-03	1.10E-02	1.55E-02	
1.586E+03	21	9.46E-05	1.64E-04	2.75E-04	4.07E-04	8.40E-04	1.50E-03	2.44E-03	3.77E-03	5.54E-03	7.89E-03	1.10E-02	
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	3.34E-04	4.64E-04	8.93E-04	1.48E-03	2.29E-03	3.36E-03	4.77E-03	6.60E-03	
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	1.72E-04	2.33E-04	4.39E-04	7.29E-04	1.14E-03	1.68E-03	2.42E-03	3.38E-03	

1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	7.31E-05	9.67E-05	1.82E-04	3.07E-04	4.90E-04	7.55E-04	1.12E-03	1.60E-03
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	2.52E-05	3.15E-05	6.29E-05	1.07E-04	1.67E-04	2.66E-04	3.89E-04	5.44E-04
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	2.66E-05	3.54E-05	5.63E-05	8.18E-05
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-06	2.66E-06	3.45E-06	5.37E-06	7.72E-06
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-37
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-28
2.379E+03	39	1.96E-06	3.62E-06	6.15E-06	9.94E-06	1.60E-05	2.61E-05	3.83E-05	0.00E+00	0.00E+00	0.00E+00	2.30E-18
2.257E+03	38	1.54E-05	2.56E-05	4.12E-05	6.53E-05	1.03E-04	1.59E-04	2.11E-04	3.21E-04	0.00E+00	0.00E+00	9.65E-13
2.196E+03	37	5.44E-05	8.80E-05	1.40E-04	2.22E-04	3.43E-04	5.12E-04	7.26E-04	1.14E-03	5.95E-04	7.12E-04	1.41E-07
2.135E+03	36	1.45E-04	2.24E-04	3.57E-04	5.62E-04	8.57E-04	1.26E-03	1.78E-03	2.84E-03	1.44E-03	1.55E-03	2.53E-07
2.074E+03	35	3.71E-04	5.71E-04	9.27E-04	1.43E-03	2.11E-03	2.99E-03	4.08E-03	6.33E-03	9.62E-03	1.11E-02	1.79E-02
2.013E+03	34	8.88E-04	1.39E-03	2.22E-03	3.38E-03	4.90E-03	6.80E-03	9.03E-03	1.33E-02	2.09E-02	3.21E-02	4.63E-02
1.952E+03	33	1.85E-03	2.94E-03	4.62E-03	6.93E-03	9.78E-03	1.26E-02	1.59E-02	2.14E-02	3.31E-02	5.20E-02	7.95E-02
1.922E+03	32	3.29E-03	5.37E-03	8.29E-03	1.19E-02	1.61E-02	2.01E-02	2.46E-02	3.20E-02	4.80E-02	7.49E-02	1.22E-01
1.891E+03	31	4.84E-03	7.57E-03	1.13E-02	1.49E-02	1.95E-02	2.49E-02	2.84E-02	3.93E-02	6.27E-02	1.12E-01	1.87E-01
1.861E+03	30	6.97E-03	9.97E-03	1.44E-02	1.68E-02	2.20E-02	2.88E-02	3.65E-02	5.23E-02	8.56E-02	1.58E-01	2.77E-01
1.830E+03	29	1.00E-02	1.44E-02	2.03E-02	2.36E-02	3.06E-02	4.00E-02	5.14E-02	7.36E-02	1.21E-01	2.23E-01	3.97E-01
1.800E+03	28	1.29E-02	1.95E-02	2.77E-02	3.70E-02	4.78E-02	6.04E-02	7.55E-02	1.04E-01	1.66E-01	2.99E-01	5.42E-01
1.769E+03	27	1.72E-02	2.52E-02	3.42E-02	4.36E-02	5.55E-02	7.00E-02	8.30E-02	1.24E-01	2.07E-01	3.81E-01	7.14E-01
1.739E+03	26	2.16E-02	3.01E-02	3.72E-02	4.22E-02	5.58E-02	7.40E-02	9.74E-02	1.47E-01	2.58E-01	4.81E-01	8.78E-01
1.708E+03	25	2.54E-02	3.49E-02	4.51E-02	5.26E-02	7.02E-02	9.39E-02	1.24E-01	1.86E-01	3.23E-01	5.74E-01	9.88E-01
1.678E+03	24	2.69E-02	3.62E-02	4.89E-02	6.54E-02	8.89E-02	1.18E-01	1.55E-01	2.24E-01	3.71E-01	6.13E-01	9.82E-01
1.647E+03	23	2.47E-02	3.43E-02	4.73E-02	6.78E-02	9.32E-02	1.24E-01	1.60E-01	2.28E-01	3.65E-01	5.71E-01	8.67E-01
1.617E+03	22	2.12E-02	2.92E-02	4.00E-02	5.74E-02	7.87E-02	1.04E-01	1.34E-01	1.90E-01	3.00E-01	4.52E-01	6.59E-01
1.586E+03	21	1.50E-02	2.06E-02	2.80E-02	3.98E-02	5.46E-02	7.23E-02	9.30E-02	1.30E-01	2.00E-01	3.10E-01	4.35E-01
1.556E+03	20	8.99E-03	1.23E-02	1.67E-02	2.35E-02	3.22E-02	4.25E-02	5.47E-02	7.60E-02	1.14E-01	1.77E-01	2.41E-01
1.525E+03	19	4.64E-03	6.35E-03	8.61E-03	1.19E-02	1.63E-02	2.15E-02	2.77E-02	3.82E-02	5.57E-02	8.40E-02	1.11E-01
1.495E+03	18	2.21E-03	2.99E-03	3.96E-03	5.16E-03	6.98E-03	9.21E-03	1.18E-02	1.59E-02	2.19E-02	3.11E-02	3.93E-02
1.464E+03	17	7.36E-04	9.70E-04	1.24E-03	1.51E-03	2.00E-03	2.74E-03	3.53E-03	4.68E-03	5.89E-03	7.80E-03	9.36E-03
1.434E+03	16	1.13E-04	1.52E-04	1.99E-04	2.54E-04	3.26E-04	4.28E-04	5.57E-04	7.27E-04	8.72E-04	1.13E-03	1.26E-03
1.403E+03	15	1.07E-05	1.43E-05	1.87E-05	2.41E-05	3.10E-05	4.14E-05	5.61E-05	7.21E-05	8.06E-05	1.00E-04	9.38E-05
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	3.51E-40	3.66E-43	5.23E-07	5.82E-07	5.01E-07	5.50E-07	6.25E-07	2.58E-07	9.36E-08	2.68E-08	7.34E-09
2.501E+03	40	4.33E-32	8.06E-36	1.33E-05	1.38E-05	1.35E-05	1.41E-05	1.43E-05	2.45E-06	6.05E-07	2.49E-07	7.75E-08
2.379E+03	39	5.24E-22	6.49E-26	7.66E-30	1.43E-04	1.41E-04	1.49E-04	1.53E-04	1.39E-04	2.75E-05	8.41E-06	3.19E-06
2.257E+03	38	2.74E-16	4.75E-20	7.01E-24	1.29E-03	1.31E-03	1.30E-03	1.31E-03	1.72E-03	1.59E-04	4.30E-05	1.47E-05
2.196E+03	37	2.48E-11	3.71E-15	4.92E-19	6.74E-23	8.03E-27	8.28E-03	1.11E-02	2.62E-02	1.89E-03	3.93E-04	1.23E-04
2.135E+03	36	2.36E-10	6.97E-14	1.68E-17	3.26E-21	4.08E-25	3.42E-02	4.71E-02	1.09E-01	5.52E-03	9.52E-04	2.78E-04
2.074E+03	35	5.85E-06	1.75E-09	3.07E-13	5.05E-17	7.39E-21	9.32E-02	1.07E-01	3.64E-01	7.47E-03	2.00E-03	5.14E-04
2.013E+03	34	1.39E-05	4.07E-09	6.98E-13	1.99E-16	1.18E-19	3.65E-23	7.29E-27	1.14E+00	1.05E+00	9.78E-02	2.37E-02
1.952E+03	33	4.54E-05	1.46E-08	6.63E-11	3.66E-12	4.21E-15	1.09E-18	1.91E-22	1.97E+00	2.32E+00	2.00E-01	4.41E-02
1.922E+03	32	1.21E-02	3.21E-02	5.06E-06	7.40E-08	7.04E-11	1.52E-14	2.35E-18	2.66E+00	3.13E+00	2.04E-01	4.05E-02
1.891E+03	31	3.09E-01	3.59E-01	5.35E-01	6.65E-04	2.27E-07	5.60E-11	8.61E-15	2.98E+00	3.71E+00	1.48E-01	2.60E-02
1.861E+03	30	4.89E-01	6.42E-01	8.84E-01	1.09E-03	3.66E-07	9.08E-11	1.39E-14	7.54E-19	4.21E+00	1.25E+00	1.45E-01
1.830E+03	29	6.88E-01	8.83E-01	1.20E+00	1.52E-03	5.15E-07	1.41E-10	2.54E-14	1.62E-18	4.64E+00	4.38E+00	6.17E-01
1.800E+03	28	9.14E-01	1.14E+00	1.54E+00	2.21E-03	7.59E-07	1.76E-07	6.96E-11	6.50E-15	4.87E+00	4.62E+00	6.95E-01
1.769E+03	27	1.15E+00	1.41E+00	1.95E+00	2.42E+00	2.77E+00	1.71E-03	5.25E-07	4.18E-11	1.82E-15	4.08E+00	5.44E-01
1.739E+03	26	1.35E+00	1.63E+00	2.22E+00	2.68E+00	2.98E+00	1.89E-03	5.91E-07	4.74E-11	2.02E-15	3.66E+00	4.27E-01
1.708E+03	25	1.44E+00	1.75E+00	2.23E+00	2.46E+00	2.69E+00	2.06E-03	6.57E-07	5.45E-11	2.40E-15	3.12E+00	3.01E-01
1.678E+03	24	1.36E+00	1.74E+00	1.81E+00	1.77E+00	2.06E+00	2.25E+00	1.38E-04	1.01E-08	7.10E-13	2.53E+00	2.09E-01
1.647E+03	23	1.17E+00	1.47E+00	1.71E+00	1.65E+00	1.85E+00	1.95E+00	1.85E-04	1.32E-08	9.36E-13	1.86E+00	8.91E-01

1.617E+03	22	8.64E-01	1.05E+00	1.22E+00	1.20E+00	1.28E+00	1.31E+00	4.31E-04	3.01E-08	2.15E-12	1.26E+00	1.20E+00
1.586E+03	21	5.54E-01	6.62E-01	7.55E-01	7.45E-01	8.00E-01	8.00E-01	8.49E-01	8.30E-01	8.34E-01	8.49E-01	8.01E-01
1.556E+03	20	3.00E-01	3.52E-01	3.92E-01	3.95E-01	4.15E-01	3.98E-01	4.22E-01	4.26E-01	4.33E-01	4.37E-01	4.16E-01
1.525E+03	19	1.34E-01	1.54E-01	1.63E-01	1.72E-01	1.72E-01	1.55E-01	1.60E-01	1.60E-01	1.66E-01	1.72E-01	1.69E-01
1.495E+03	18	4.62E-02	5.17E-02	4.92E-02	5.09E-02	5.00E-02	4.47E-02	4.52E-02	4.50E-02	4.73E-02	5.13E-02	5.46E-02
1.464E+03	17	1.06E-02	1.16E-02	1.09E-02	1.10E-02	1.07E-02	9.39E-03	9.58E-03	1.01E-02	1.16E-02	1.33E-02	1.50E-02
1.434E+03	16	1.35E-03	1.42E-03	1.30E-03	1.30E-03	1.21E-03	1.02E-03	1.03E-03	1.12E-03	1.44E-03	1.84E-03	2.24E-03
1.403E+03	15	8.06E-05	6.78E-05	5.75E-05	5.75E-05	4.82E-05	3.55E-05	3.38E-05	3.93E-05	6.29E-05	9.43E-05	1.60E-04
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-30	1.06E-05
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-35	6.32E-07
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-38	5.29E-39
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-39	6.87E-40
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-41	6.62E-41
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-42	5.63E-42
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-44	3.70E-43
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-44
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-17
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-18
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-19
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	4.01E-08	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	6.58E-06	5.24E-06	1.42E-06	2.79E-07	7.81E-08	2.88E-08	1.33E-08	7.86E-09	7.31E-09	0.00E+00
2.379E+03	39	2.49E-06	4.13E-05	1.66E-05	5.65E-06	2.03E-06	8.36E-07	4.10E-07	2.52E-07	2.10E-07	0.00E+00
2.257E+03	38	4.60E-06	1.70E-04	9.29E-05	3.87E-05	1.52E-05	6.64E-06	3.21E-06	1.91E-06	1.64E-06	0.00E+00
2.196E+03	37	3.44E-05	3.22E-04	1.51E-04	9.41E-05	4.12E-05	1.88E-05	9.13E-06	5.24E-06	3.84E-06	0.00E+00
2.135E+03	36	7.74E-05	1.53E-04	6.33E-04	3.50E-04	1.43E-04	6.32E-05	3.05E-05	1.64E-05	1.73E-05	0.00E+00
2.074E+03	35	1.43E-04	4.63E-05	2.43E-03	1.58E-03	6.03E-04	2.45E-04	1.11E-04	5.21E-05	3.43E-05	0.00E+00
2.013E+03	34	5.52E-03	4.90E-03	1.35E-02	6.37E-03	2.44E-03	9.83E-04	4.18E-04	1.64E-04	2.42E-04	0.00E+00
1.952E+03	33	1.03E-02	1.27E-02	3.68E-02	1.57E-02	6.02E-03	2.41E-03	9.61E-04	3.26E-04	2.51E-04	0.00E+00
1.922E+03	32	9.86E-03	1.71E-02	5.91E-02	2.65E-02	1.03E-02	4.17E-03	1.56E-03	3.68E-03	1.05E-04	0.00E+00
1.891E+03	31	6.74E-03	1.28E-02	8.71E-02	4.30E-02	1.73E-02	7.22E-03	2.60E-03	3.69E-03	1.05E-04	0.00E+00
1.861E+03	30	3.38E-02	8.55E-03	1.09E-01	6.79E-02	2.86E-02	1.27E-02	1.29E-02	5.90E-12	6.71E-14	0.00E+00
1.830E+03	29	1.65E-01	3.60E-02	1.51E-01	1.04E-01	4.57E-02	2.15E-02	2.19E-02	3.77E-12	7.08E-18	0.00E+00
1.800E+03	28	1.97E-01	5.22E-02	2.23E-01	1.51E-01	7.05E-02	3.50E-02	4.85E-02	7.67E-05	1.84E-08	0.00E+00
1.769E+03	27	1.56E-01	4.85E-02	2.68E-01	2.06E-01	1.03E-01	5.34E-02	5.00E-02	7.75E-05	1.91E-08	0.00E+00
1.739E+03	26	1.16E-01	4.11E-02	2.88E-01	2.61E-01	1.41E-01	7.77E-02	7.85E-02	1.14E-11	2.03E-17	0.00E+00
1.708E+03	25	7.67E-02	3.01E-02	2.47E-01	3.08E-01	1.81E-01	1.06E-01	1.57E-01	1.76E-04	3.68E-08	0.00E+00
1.678E+03	24	4.61E-02	1.77E-02	1.97E-01	3.40E-01	2.20E-01	1.36E-01	1.53E-01	1.78E-04	3.85E-08	0.00E+00
1.647E+03	23	1.82E-01	5.22E-02	1.51E-01	3.53E-01	2.53E-01	1.67E-01	1.68E-01	2.14E-11	2.80E-17	0.00E+00
1.617E+03	22	2.53E-01	6.97E-02	7.35E-02	3.47E-01	2.77E-01	1.95E-01	3.08E-01	2.49E-04	4.57E-08	0.00E+00
1.586E+03	21	5.08E-01	2.72E-01	2.38E-01	3.28E-01	2.91E-01	2.18E-01	2.95E-01	2.53E-04	4.80E-08	0.00E+00
1.556E+03	20	4.25E-01	3.24E-01	2.81E-01	2.98E-01	2.95E-01	2.36E-01	2.41E-01	2.71E-11	2.37E-17	0.00E+00
1.525E+03	19	1.72E-01	2.05E-01	2.27E-01	2.58E-01	2.89E-01	2.48E-01	4.09E-01	1.96E-04	3.02E-08	0.00E+00
1.495E+03	18	1.11E-02	4.19E-02	1.12E-01	2.14E-01	2.75E-01	2.55E-01	3.96E-01	2.02E-04	3.20E-08	0.00E+00
1.464E+03	17	4.19E-03	8.95E-03	5.89E-02	1.74E-01	2.56E-01	2.56E-01	2.91E-01	2.51E-11	8.96E-18	0.00E+00
1.434E+03	16	8.81E-04	1.72E-03	3.23E-02	1.36E-01	2.33E-01	2.47E-01	3.03E-04	5.33E-08	6.07E-12	0.00E+00
1.403E+03	15	1.05E-04	2.90E-04	1.81E-02	1.03E-01	2.08E-01	2.44E-01	3.06E-04	5.62E-08	6.60E-12	0.00E+00
1.373E+03	14	1.09E-05	4.56E-05	1.02E-02	7.67E-02	1.83E-01	1.88E-01	1.66E-11	1.96E-17	1.87E-21	0.00E+00
1.342E+03	13	1.42E-06	7.74E-06	5.76E-03	5.99E-02	1.62E-01	2.52E-01	1.20E-04	1.81E-08	2.11E-12	0.00E+00
1.312E+03	12	1.46E-07	1.65E-06	3.11E-03	5.32E-02	1.49E-01	2.40E-01	1.24E-04	1.93E-08	2.29E-12	0.00E+00
1.281E+03	11	1.55E-08	3.24E-06	1.26E-03	6.90E-02	1.44E-01	1.48E-01	1.11E-11	3.75E-18	4.01E-22	0.00E+00
1.220E+03	10	1.69E-09	1.67E-06	3.65E-04	5.89E-02	1.44E-01	6.75E-02	1.94E-05	4.08E-09	7.32E-13	0.00E+00
1.159E+03	9	2.20E-10	1.24E-06	3.85E-04	3.06E-02	1.16E-01	7.38E-02	2.11E-05	4.39E-09	8.01E-13	0.00E+00
1.098E+03	8	5.50E-11	5.32E-07	2.76E-04	1.23E-02	8.03E-02	8.31E-02	5.10E-12	4.24E-19	6.77E-23	0.00E+00
1.037E+03	7	9.54E-11	1.58E-07	1.84E-04	6.48E-03	5.90E-02	3.67E-02	1.17E-05	2.65E-09	5.11E-13	0.00E+00
9.760E+02	6	1.55E-11	2.07E-08	1.04E-04	3.25E-03	3.92E-02	3.67E-02	1.31E-05	2.97E-09	5.87E-13	0.00E+00
8.540E+02	5	1.28E-12	1.58E-09	4.43E-05	1.42E-03	1.93E-02	1.33E-02	7.50E-06	3.12E-09	1.08E-12	0.00E+00
7.320E+02	4	6.60E-14	1.08E-10	1.97E-05	8.32E-04	1.11E-02	1.30E-02	7.89E-06	3.44E-09	1.23E-12	0.00E+00
5.490E+02	3	2.66E-15	5.63E-12	6.49E-06	3.74E-04	1.34E-02	1.19E-02	7.59E-06	3.36E-09	1.21E-12	0.00E+00
3.050E+02	2	3.32E-17	3.86E-10	5.28E-06	4.40E-04	1.43E-02	9.67E-03	6.04E-06	2.58E-09	8.93E-13	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 10 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-30	6.16E-27	1.80E-25	2.56E-24
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-27	1.35E-24	3.92E-23	5.51E-22
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-25	1.14E-22	3.29E-21	4.55E-20
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-24	5.42E-21	1.53E-19	2.08E-18
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-22	1.52E-19	4.21E-18	5.55E-17
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-21	2.48E-18	6.68E-17	8.49E-16
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-20	3.47E-17	8.96E-16	1.08E-14
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-19	4.16E-16	1.01E-14	1.13E-13
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-18	4.27E-15	9.31E-14	9.38E-13
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-17	3.00E-14	5.49E-13	4.79E-12
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-16	1.39E-13	1.98E-12	1.47E-11
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-15	5.83E-13	6.01E-12	3.83E-11

1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-14	1.54E-12	1.50E-11	9.16E-11
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-14	3.02E-12	2.94E-11	1.79E-10
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-13	5.85E-12	5.60E-11	3.38E-10
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-13	9.28E-12	8.87E-11	5.30E-10
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-13	1.27E-11	1.25E-10	7.40E-10
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-13	1.57E-11	1.63E-10	9.50E-10
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-13	2.00E-11	2.07E-10	1.14E-09
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-13	2.37E-11	2.48E-10	1.27E-09
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-13	2.57E-11	2.74E-10	1.28E-09
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-13	2.46E-11	3.13E-10	1.29E-09
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-13	2.03E-11	3.19E-10	1.14E-09
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-13	1.37E-11	2.41E-10	9.81E-10
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-13	8.16E-12	1.42E-10	6.10E-10
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-13	3.69E-12	6.58E-11	3.11E-10
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-14	9.03E-13	1.77E-11	1.09E-10
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	2.36E-23	1.60E-22	8.51E-22	3.71E-21	1.40E-20	4.72E-20	1.46E-19	4.09E-19	1.01E-18	2.28E-18	5.79E-18
2.501E+03	40	5.01E-21	3.34E-20	1.74E-19	7.42E-19	2.76E-18	9.33E-18	2.90E-17	8.09E-17	1.91E-16	4.32E-16	1.39E-15
2.379E+03	39	4.05E-19	2.63E-18	1.33E-17	5.48E-17	2.00E-16	6.67E-16	2.04E-15	5.45E-15	1.12E-14	2.52E-14	1.16E-13
2.257E+03	38	1.81E-17	1.14E-16	5.60E-16	2.23E-15	8.01E-15	2.69E-14	8.07E-14	2.00E-13	2.97E-13	7.68E-13	5.63E-12
2.196E+03	37	4.69E-16	2.87E-15	1.36E-14	5.28E-14	1.93E-13	6.85E-13	2.17E-12	5.62E-12	9.89E-12	2.32E-11	2.09E-10
2.135E+03	36	6.88E-15	4.05E-14	1.84E-13	6.87E-13	2.64E-12	1.01E-11	3.40E-11	8.86E-11	1.19E-10	2.56E-10	5.31E-09
2.074E+03	35	8.28E-14	4.59E-13	1.95E-12	6.89E-12	2.87E-11	1.20E-10	4.35E-10	1.30E-09	2.27E-09	2.11E-08	9.66E-08
2.013E+03	34	8.02E-13	4.13E-12	1.60E-11	5.17E-11	2.39E-10	1.01E-09	3.47E-09	9.74E-09	1.57E-08	1.17E-07	4.61E-07
1.952E+03	33	6.12E-12	2.93E-11	1.05E-10	3.06E-10	1.61E-09	6.12E-09	1.80E-08	4.45E-08	6.20E-08	3.51E-07	1.21E-06
1.922E+03	32	2.84E-11	1.31E-10	5.17E-10	1.94E-09	7.66E-09	2.20E-08	5.44E-08	1.19E-07	1.36E-07	5.56E-07	2.03E-06
1.891E+03	31	7.90E-11	3.45E-10	1.35E-09	5.04E-09	1.73E-08	4.69E-08	1.13E-07	2.51E-07	3.41E-07	1.00E-06	3.28E-06
1.861E+03	30	1.88E-10	7.72E-10	2.80E-09	9.58E-09	2.99E-08	8.07E-08	1.96E-07	4.42E-07	7.11E-07	1.66E-06	5.45E-06
1.830E+03	29	4.33E-10	1.71E-09	5.93E-09	1.85E-08	5.22E-08	1.34E-07	3.17E-07	7.16E-07	1.69E-06	2.02E-06	5.95E-06
1.800E+03	28	8.28E-10	3.18E-09	1.07E-08	3.19E-08	8.50E-08	2.08E-07	4.79E-07	1.06E-06	2.32E-06	3.05E-06	5.01E-06
1.769E+03	27	1.55E-09	5.86E-09	1.93E-08	5.55E-08	1.41E-07	3.33E-07	7.50E-07	1.64E-06	3.50E-06	4.71E-06	7.62E-06
1.739E+03	26	2.40E-09	8.99E-09	2.91E-08	8.04E-08	1.95E-07	4.47E-07	9.99E-07	2.21E-06	4.79E-06	7.36E-06	1.31E-05
1.708E+03	25	3.31E-09	1.22E-08	3.87E-08	1.01E-07	2.36E-07	5.40E-07	1.23E-06	2.81E-06	6.34E-06	1.41E-05	3.15E-05
1.678E+03	24	4.18E-09	1.49E-08	4.61E-08	1.09E-07	2.44E-07	5.69E-07	1.35E-06	3.16E-06	7.31E-06	1.66E-05	3.66E-05
1.647E+03	23	4.87E-09	1.64E-08	4.82E-08	1.16E-07	2.61E-07	6.10E-07	1.46E-06	3.43E-06	7.90E-06	1.77E-05	3.66E-05
1.617E+03	22	5.22E-09	1.62E-08	4.43E-08	1.12E-07	2.62E-07	6.22E-07	1.48E-06	3.43E-06	7.74E-06	1.71E-05	3.43E-05
1.586E+03	21	4.91E-09	1.39E-08	3.51E-08	9.15E-08	2.30E-07	5.58E-07	1.31E-06	2.97E-06	6.51E-06	1.38E-05	2.81E-05
1.556E+03	20	4.28E-09	1.26E-08	3.15E-08	7.89E-08	1.95E-07	4.66E-07	1.07E-06	2.34E-06	4.95E-06	1.01E-05	1.96E-05
1.525E+03	19	3.28E-09	9.50E-09	2.53E-08	6.32E-08	1.51E-07	3.47E-07	7.62E-07	1.61E-06	3.26E-06	6.37E-06	1.20E-05
1.495E+03	18	2.61E-09	6.77E-09	1.71E-08	4.14E-08	9.57E-08	2.12E-07	4.49E-07	9.10E-07	1.77E-06	3.32E-06	6.01E-06
1.464E+03	17	1.63E-09	4.04E-09	9.67E-09	2.23E-08	4.93E-08	1.04E-07	2.11E-07	4.08E-07	7.58E-07	1.36E-06	2.35E-06
1.434E+03	16	8.36E-10	1.91E-09	4.19E-09	8.97E-09	1.86E-08	3.72E-08	7.11E-08	1.30E-07	2.27E-07	3.85E-07	6.34E-07
1.403E+03	15	2.91E-10	5.46E-10	1.03E-09	2.01E-09	3.88E-09	7.22E-09	1.28E-08	2.18E-08	3.56E-08	5.65E-08	8.82E-08
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	2.76E-17	1.41E-16	4.57E-16	2.75E-15	8.39E-15	9.57E-15	1.09E-14	1.22E-14	1.36E-14	1.50E-14	3.49E-11
2.501E+03	40	1.08E-14	6.60E-14	2.22E-13	2.38E-12	1.16E-11	5.55E-11	2.48E-10	8.98E-10	3.15E-09	1.06E-08	3.99E-08
2.379E+03	39	1.26E-12	7.87E-12	3.88E-11	2.62E-10	8.48E-10	3.41E-09	1.32E-08	4.01E-08	1.25E-07	3.49E-07	9.75E-07
2.257E+03	38	6.92E-11	3.70E-10	1.98E-09	7.66E-09	1.92E-08	7.97E-08	2.72E-07	7.04E-07	1.85E-06	4.21E-06	8.84E-06
2.196E+03	37	2.38E-09	1.17E-08	4.76E-08	1.49E-07	4.04E-07	1.14E-06	2.58E-06	5.20E-06	9.86E-06	1.83E-05	3.26E-05
2.135E+03	36	3.46E-08	1.26E-07	3.65E-07	9.57E-07	2.31E-06	5.29E-06	1.04E-05	1.91E-05	3.35E-05	5.70E-05	9.37E-05
2.074E+03	35	2.98E-07	7.58E-07	1.72E-06	3.64E-06	7.47E-06	1.47E-05	2.80E-05	5.10E-05	8.92E-05	1.50E-04	2.42E-04
2.013E+03	34	1.26E-06	2.91E-06	6.11E-06	1.20E-05	2.23E-05	4.05E-05	7.48E-05	1.33E-04	2.25E-04	3.68E-04	5.79E-04

1.952E+03	33	3.16E-06	7.15E-06	1.47E-05	2.85E-05	5.38E-05	1.02E-04	1.87E-04	3.16E-04	5.13E-04	8.06E-04	1.23E-03
1.922E+03	32	5.53E-06	1.26E-05	2.58E-05	4.99E-05	9.48E-05	1.85E-04	3.42E-04	5.89E-04	9.70E-04	1.53E-03	2.31E-03
1.891E+03	31	8.40E-06	1.84E-05	3.71E-05	7.16E-05	1.34E-04	2.58E-04	4.88E-04	8.68E-04	1.46E-03	2.31E-03	3.47E-03
1.861E+03	30	1.34E-05	2.88E-05	5.81E-05	1.14E-04	2.17E-04	4.05E-04	7.52E-04	1.34E-03	2.22E-03	3.45E-03	5.09E-03
1.830E+03	29	1.43E-05	3.44E-05	7.64E-05	1.61E-04	3.21E-04	6.15E-04	1.15E-03	2.04E-03	3.22E-03	4.88E-03	7.25E-03
1.800E+03	28	9.42E-06	3.17E-05	8.93E-05	2.11E-04	4.43E-04	8.60E-04	1.60E-03	2.78E-03	3.64E-03	5.55E-03	8.52E-03
1.769E+03	27	1.32E-05	5.04E-05	1.49E-04	3.48E-04	7.03E-04	1.30E-03	2.32E-03	3.86E-03	4.96E-03	7.53E-03	1.16E-02
1.739E+03	26	1.90E-05	9.16E-05	2.79E-04	6.13E-04	1.14E-03	1.97E-03	3.30E-03	5.30E-03	8.16E-03	1.20E-02	1.73E-02
1.708E+03	25	3.05E-05	1.61E-04	4.85E-04	9.62E-04	1.62E-03	2.60E-03	4.17E-03	6.51E-03	9.93E-03	1.48E-02	2.10E-02
1.678E+03	24	4.72E-05	1.95E-04	5.12E-04	9.75E-04	1.53E-03	2.48E-03	4.07E-03	6.47E-03	1.01E-02	1.53E-02	1.99E-02
1.647E+03	23	5.67E-05	1.41E-04	2.96E-04	4.80E-04	7.20E-04	1.39E-03	2.74E-03	4.92E-03	8.25E-03	1.31E-02	2.00E-02
1.617E+03	22	5.10E-05	1.20E-04	2.45E-04	3.91E-04	7.90E-04	1.50E-03	2.70E-03	4.58E-03	7.44E-03	1.15E-02	1.72E-02
1.586E+03	21	4.93E-05	1.01E-04	1.90E-04	2.98E-04	5.78E-04	1.09E-03	1.95E-03	3.28E-03	5.28E-03	8.13E-03	1.20E-02
1.556E+03	20	3.64E-05	6.58E-05	1.15E-04	1.85E-04	3.03E-04	5.97E-04	1.10E-03	1.89E-03	3.07E-03	4.74E-03	7.02E-03
1.525E+03	19	2.16E-05	3.79E-05	6.44E-05	9.99E-05	1.57E-04	2.98E-04	5.43E-04	9.27E-04	1.51E-03	2.33E-03	3.47E-03
1.495E+03	18	1.05E-05	1.78E-05	2.91E-05	4.36E-05	6.52E-05	1.19E-04	2.13E-04	3.63E-04	5.94E-04	9.34E-04	1.41E-03
1.464E+03	17	3.95E-06	6.43E-06	1.01E-05	1.38E-05	1.87E-05	2.94E-05	5.49E-05	9.57E-05	1.66E-04	2.71E-04	4.16E-04
1.434E+03	16	1.02E-06	1.60E-06	2.46E-06	3.66E-06	5.46E-06	8.20E-06	1.19E-05	1.97E-05	2.76E-05	4.37E-05	6.66E-05
1.403E+03	15	1.35E-07	2.04E-07	3.03E-07	4.45E-07	6.48E-07	9.41E-07	1.31E-06	2.07E-06	2.79E-06	4.29E-06	6.43E-06
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	7.30E-10	3.45E-09	1.09E-08	2.73E-08	5.66E-08	1.12E-07	1.88E-07	3.45E-07	5.63E-07	6.57E-07	7.15E-07
2.501E+03	40	1.03E-07	2.20E-07	4.16E-07	7.49E-07	1.35E-06	2.46E-06	4.03E-06	6.99E-06	1.14E-05	1.41E-05	1.54E-05
2.379E+03	39	2.08E-06	3.83E-06	6.52E-06	1.07E-05	1.76E-05	2.91E-05	4.17E-05	6.66E-05	1.04E-04	1.41E-04	1.67E-04
2.257E+03	38	1.58E-05	2.63E-05	4.24E-05	6.84E-05	1.09E-04	1.70E-04	2.30E-04	3.44E-04	5.15E-04	7.67E-04	1.05E-03
2.196E+03	37	5.49E-05	8.86E-05	1.41E-04	2.21E-04	3.41E-04	5.06E-04	7.33E-04	1.18E-03	2.17E-03	3.42E-03	4.66E-03
2.135E+03	36	1.48E-04	2.28E-04	3.60E-04	5.56E-04	8.28E-04	1.19E-03	1.71E-03	2.87E-03	5.27E-03	8.16E-03	1.12E-02
2.074E+03	35	3.82E-04	6.07E-04	9.46E-04	1.39E-03	1.98E-03	2.72E-03	3.65E-03	6.05E-03	1.04E-02	1.38E-02	2.05E-02
2.013E+03	34	8.90E-04	1.41E-03	2.16E-03	3.16E-03	4.47E-03	5.93E-03	7.83E-03	1.20E-02	2.04E-02	3.40E-02	4.97E-02
1.952E+03	33	1.75E-03	2.67E-03	4.09E-03	6.01E-03	8.40E-03	9.31E-03	1.19E-02	1.56E-02	2.91E-02	5.26E-02	8.34E-02
1.922E+03	32	3.03E-03	4.62E-03	7.05E-03	9.78E-03	1.34E-02	1.51E-02	1.82E-02	2.40E-02	4.36E-02	7.79E-02	1.29E-01
1.891E+03	31	4.32E-03	5.96E-03	8.88E-03	9.99E-03	1.35E-02	1.79E-02	1.76E-02	2.90E-02	5.67E-02	1.12E-01	2.00E-01
1.861E+03	30	6.22E-03	6.80E-03	9.92E-03	8.94E-03	1.27E-02	1.85E-02	2.56E-02	4.30E-02	8.18E-02	1.63E-01	3.01E-01
1.830E+03	29	9.46E-03	1.10E-02	1.57E-02	1.41E-02	1.97E-02	2.87E-02	4.04E-02	6.59E-02	1.21E-01	2.37E-01	4.40E-01
1.800E+03	28	1.17E-02	1.74E-02	2.47E-02	3.31E-02	4.32E-02	5.54E-02	7.09E-02	1.03E-01	1.74E-01	3.25E-01	6.08E-01
1.769E+03	27	1.60E-02	2.34E-02	2.97E-02	3.71E-02	4.72E-02	6.05E-02	7.82E-02	1.18E-01	2.12E-01	4.12E-01	7.90E-01
1.739E+03	26	2.39E-02	3.21E-02	2.92E-02	3.02E-02	4.06E-02	5.62E-02	7.84E-02	1.32E-01	2.58E-01	5.17E-01	9.78E-01
1.708E+03	25	2.90E-02	3.97E-02	3.96E-02	4.13E-02	5.58E-02	7.74E-02	1.07E-01	1.76E-01	3.31E-01	6.32E-01	1.13E+00
1.678E+03	24	2.74E-02	3.81E-02	5.10E-02	6.26E-02	8.39E-02	1.12E-01	1.50E-01	2.27E-01	3.94E-01	6.90E-01	1.15E+00
1.647E+03	23	2.89E-02	4.05E-02	5.53E-02	7.25E-02	9.69E-02	1.27E-01	1.65E-01	2.39E-01	3.94E-01	6.47E-01	1.02E+00
1.617E+03	22	2.47E-02	3.44E-02	4.68E-02	6.14E-02	8.19E-02	1.07E-01	1.39E-01	2.00E-01	3.24E-01	5.12E-01	7.72E-01
1.586E+03	21	1.72E-02	2.39E-02	3.24E-02	4.23E-02	5.65E-02	7.39E-02	9.53E-02	1.36E-01	2.14E-01	3.50E-01	5.05E-01
1.556E+03	20	1.00E-02	1.39E-02	1.89E-02	2.45E-02	3.27E-02	4.28E-02	5.52E-02	7.86E-02	1.22E-01	1.99E-01	2.79E-01
1.525E+03	19	4.97E-03	6.92E-03	9.37E-03	1.20E-02	1.60E-02	2.10E-02	2.72E-02	3.87E-02	5.86E-02	9.35E-02	1.27E-01
1.495E+03	18	2.05E-03	2.87E-03	3.87E-03	4.82E-03	6.40E-03	8.46E-03	1.10E-02	1.56E-02	2.28E-02	3.44E-02	4.49E-02
1.464E+03	17	6.09E-04	8.52E-04	1.14E-03	1.37E-03	1.79E-03	2.40E-03	3.16E-03	4.48E-03	6.13E-03	8.70E-03	1.09E-02
1.434E+03	16	9.73E-05	1.38E-04	1.88E-04	2.48E-04	3.25E-04	4.10E-04	5.40E-04	7.35E-04	9.30E-04	1.28E-03	1.52E-03
1.403E+03	15	9.34E-06	1.31E-05	1.79E-05	2.39E-05	3.15E-05	4.03E-05	5.60E-05	7.43E-05	8.63E-05	1.14E-04	1.23E-04
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	6.57E-07	6.47E-07	4.78E-07	5.00E-07	3.94E-07	4.31E-07	5.20E-07	3.08E-07	1.33E-07	4.38E-08	1.42E-08
2.501E+03	40	1.53E-05	1.45E-05	1.21E-05	1.25E-05	1.13E-05	1.26E-05	1.31E-05	3.37E-06	1.01E-06	4.94E-07	1.92E-07
2.379E+03	39	1.72E-04	1.72E-04	1.64E-04	1.31E-04	1.15E-04	1.29E-04	1.41E-04	1.30E-04	3.74E-05	1.51E-05	6.54E-06
2.257E+03	38	1.30E-03	1.46E-03	1.43E-03	1.16E-03	1.19E-03	1.25E-03	1.29E-03	1.80E-03	2.83E-04	1.09E-04	4.61E-05

2.196E+03	37	5.89E-03	6.81E-03	6.95E-03	7.14E-03	7.17E-03	7.37E-03	1.02E-02	2.77E-02	3.34E-03	9.57E-04	3.76E-04
2.135E+03	36	1.46E-02	1.73E-02	1.75E-02	1.82E-02	1.89E-02	2.33E-02	4.04E-02	1.17E-01	1.04E-02	2.45E-03	9.04E-04
2.074E+03	35	2.75E-02	3.55E-02	4.42E-02	5.34E-02	6.44E-02	7.98E-02	1.22E-01	3.43E-01	1.68E-02	4.85E-03	1.67E-03
2.013E+03	34	6.34E-02	8.57E-02	1.15E-01	1.48E-01	1.86E-01	2.45E-01	3.55E-01	7.10E-01	1.13E+00	1.77E-01	5.74E-02
1.952E+03	33	1.36E-01	2.05E-01	2.81E-01	3.59E-01	4.43E-01	5.65E-01	7.80E-01	1.40E+00	2.03E+00	3.18E-01	9.64E-02
1.922E+03	32	2.39E-01	3.56E-01	4.79E-01	6.07E-01	7.46E-01	9.45E-01	1.29E+00	2.15E+00	2.86E+00	3.37E-01	9.21E-02
1.891E+03	31	3.46E-01	4.14E-01	5.90E-01	8.16E-01	1.03E+00	1.32E+00	1.79E+00	2.81E+00	3.47E+00	2.66E-01	6.37E-02
1.861E+03	30	5.42E-01	7.17E-01	9.62E-01	1.25E+00	1.52E+00	1.89E+00	2.46E+00	3.77E+00	4.18E+00	1.92E+00	3.76E-01
1.830E+03	29	7.71E-01	9.99E-01	1.31E+00	1.68E+00	2.03E+00	2.47E+00	3.15E+00	4.50E+00	4.68E+00	4.71E+00	1.08E+00
1.800E+03	28	1.03E+00	1.30E+00	1.69E+00	2.16E+00	2.59E+00	3.08E+00	3.79E+00	5.05E+00	4.86E+00	4.70E+00	1.16E+00
1.769E+03	27	1.29E+00	1.62E+00	2.16E+00	2.67E+00	3.02E+00	3.51E+00	4.19E+00	5.24E+00	5.14E+00	3.94E+00	8.97E-01
1.739E+03	26	1.53E+00	1.89E+00	2.46E+00	2.93E+00	3.25E+00	3.65E+00	4.21E+00	4.98E+00	4.77E+00	3.53E+00	7.09E-01
1.708E+03	25	1.68E+00	2.07E+00	2.54E+00	2.81E+00	3.01E+00	3.26E+00	3.67E+00	4.27E+00	4.08E+00	3.06E+00	5.06E-01
1.678E+03	24	1.63E+00	2.08E+00	2.23E+00	2.14E+00	2.43E+00	2.54E+00	2.94E+00	3.41E+00	3.28E+00	2.57E+00	3.81E-01
1.647E+03	23	1.39E+00	1.74E+00	2.04E+00	1.98E+00	2.18E+00	2.21E+00	2.47E+00	2.69E+00	2.51E+00	1.89E+00	1.18E+00
1.617E+03	22	1.02E+00	1.25E+00	1.44E+00	1.47E+00	1.57E+00	1.49E+00	1.64E+00	1.79E+00	1.68E+00	1.26E+00	1.15E+00
1.586E+03	21	6.51E-01	7.79E-01	8.85E-01	9.09E-01	9.67E-01	9.41E-01	9.90E-01	1.09E+00	1.04E+00	8.53E-01	7.68E-01
1.556E+03	20	3.51E-01	4.12E-01	4.59E-01	4.81E-01	5.02E-01	4.72E-01	4.97E-01	5.44E-01	5.18E-01	4.34E-01	3.97E-01
1.525E+03	19	1.56E-01	1.80E-01	1.94E-01	2.06E-01	2.10E-01	1.85E-01	1.90E-01	2.05E-01	2.00E-01	1.74E-01	1.63E-01
1.495E+03	18	5.37E-02	6.06E-02	6.28E-02	6.46E-02	6.43E-02	5.63E-02	5.46E-02	5.87E-02	5.99E-02	5.79E-02	5.48E-02
1.464E+03	17	1.26E-02	1.39E-02	1.42E-02	1.43E-02	1.39E-02	1.20E-02	1.16E-02	1.29E-02	1.41E-02	1.46E-02	1.45E-02
1.434E+03	16	1.70E-03	1.83E-03	1.82E-03	1.81E-03	1.69E-03	1.38E-03	1.30E-03	1.48E-03	1.77E-03	2.03E-03	2.15E-03
1.403E+03	15	1.23E-04	1.18E-04	1.11E-04	1.05E-04	8.91E-05	6.19E-05	5.23E-05	6.02E-05	8.41E-05	1.10E-04	1.58E-04
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-31	1.04E-05
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-35	8.36E-07
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-38	6.71E-39
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-39	1.02E-39
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-40	1.17E-40
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-42	1.18E-41
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-43	9.07E-43
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-44
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-16
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-17
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-19
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	7.90E-08	3.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	2.38E-05	7.37E-06	2.21E-06	4.28E-07	1.15E-07	4.06E-08	1.80E-08	1.03E-08	9.38E-09	0.00E+00
2.379E+03	39	4.99E-05	6.28E-05	2.56E-05	8.57E-06	2.96E-06	1.17E-06	5.54E-07	3.29E-07	2.69E-07	0.00E+00
2.257E+03	38	2.10E-04	2.92E-04	1.46E-04	5.96E-05	2.25E-05	9.26E-06	4.29E-06	2.47E-06	2.07E-06	0.00E+00
2.196E+03	37	5.75E-04	1.07E-03	4.01E-04	1.87E-04	7.10E-05	2.89E-05	1.30E-05	7.09E-06	5.04E-06	0.00E+00
2.135E+03	36	1.58E-03	2.60E-03	1.60E-03	7.05E-04	2.64E-04	1.05E-04	4.60E-05	2.32E-05	2.38E-05	0.00E+00
2.074E+03	35	7.26E-04	9.90E-04	5.67E-03	2.79E-03	1.04E-03	4.04E-04	1.70E-04	7.59E-05	4.81E-05	0.00E+00
2.013E+03	34	1.72E-02	2.52E-02	2.06E-02	1.04E-02	3.94E-03	1.54E-03	6.18E-04	2.36E-04	3.28E-04	0.00E+00
1.952E+03	33	2.95E-02	5.51E-02	4.52E-02	2.38E-02	9.24E-03	3.63E-03	1.40E-03	4.65E-04	3.36E-04	0.00E+00
1.922E+03	32	2.94E-02	7.88E-02	7.11E-02	3.88E-02	1.54E-02	6.15E-03	2.27E-03	4.85E-03	1.26E-04	0.00E+00
1.891E+03	31	2.16E-02	9.26E-02	1.06E-01	6.08E-02	2.51E-02	1.04E-02	3.73E-03	4.84E-03	1.25E-04	0.00E+00
1.861E+03	30	1.16E-01	4.49E-02	1.53E-01	9.30E-02	4.03E-02	1.78E-02	1.77E-02	8.02E-12	8.25E-14	0.00E+00
1.830E+03	29	3.77E-01	1.06E-01	2.20E-01	1.38E-01	6.28E-02	2.96E-02	2.95E-02	5.12E-12	8.15E-18	0.00E+00
1.800E+03	28	4.41E-01	1.68E-01	3.02E-01	1.95E-01	9.41E-02	4.70E-02	6.32E-02	9.09E-05	2.09E-08	0.00E+00
1.769E+03	27	3.56E-01	1.90E-01	3.74E-01	2.54E-01	1.32E-01	6.98E-02	6.49E-02	9.16E-05	2.17E-08	0.00E+00
1.739E+03	26	2.66E-01	2.17E-01	4.29E-01	3.07E-01	1.75E-01	9.83E-02	9.79E-02	1.44E-11	2.28E-17	0.00E+00
1.708E+03	25	1.81E-01	2.09E-01	4.41E-01	3.44E-01	2.16E-01	1.30E-01	1.88E-01	2.00E-04	4.04E-08	0.00E+00
1.678E+03	24	1.16E-01	1.41E-01	4.18E-01	3.58E-01	2.50E-01	1.61E-01	1.83E-01	2.02E-04	4.22E-08	0.00E+00
1.647E+03	23	3.34E-01	1.65E-01	3.80E-01	3.51E-01	2.75E-01	1.91E-01	1.91E-01	2.49E-11	3.03E-17	0.00E+00
1.617E+03	22	3.70E-01	1.52E-01	3.28E-01	3.29E-01	2.89E-01	2.15E-01	3.40E-01	2.68E-04	4.81E-08	0.00E+00
1.586E+03	21	5.79E-01	3.25E-01	2.95E-01	2.97E-01	2.92E-01	2.34E-01	3.23E-01	2.72E-04	5.04E-08	0.00E+00
1.556E+03	20	3.97E-01	2.90E-01	2.47E-01	2.56E-01	2.84E-01	2.46E-01	2.51E-01	2.92E-11	2.46E-17	0.00E+00
1.525E+03	19	1.88E-01	1.80E-01	1.87E-01	2.10E-01	2.68E-01	2.52E-01	4.21E-01	2.00E-04	3.04E-08	0.00E+00
1.495E+03	18	1.89E-02	5.69E-02	1.25E-01	1.63E-01	2.46E-01	2.52E-01	4.05E-01	2.05E-04	3.22E-08	0.00E+00
1.464E+03	17	6.47E-03	1.56E-02	7.68E-02	1.25E-01	2.20E-01	2.48E-01	2.84E-01	2.54E-11	9.06E-18	0.00E+00
1.434E+03	16	1.38E-03	3.65E-03	4.43E-02	9.12E-02	1.93E-01	2.34E-01	2.97E-04	5.22E-08	5.91E-12	0.00E+00
1.403E+03	15	1.73E-04	8.39E-04	2.38E-02	6.37E-02	1.67E-01	2.25E-01	2.99E-04	5.49E-08	6.43E-12	0.00E+00
1.373E+03	14	1.74E-05	2.82E-04	1.17E-02	4.37E-02	1.41E-01	1.47E-01	1.35E-11	1.86E-17	1.76E-21	0.00E+00
1.342E+03	13	2.54E-06	2.20E-04	7.15E-03	3.11E-02	1.21E-01	1.98E-01	9.77E-05	1.50E-08	1.76E-12	0.00E+00
1.312E+03	12	3.34E-07	1.68E-04	4.44E-03	2.29E-02	1.09E-01	1.88E-01	1.01E-04	1.59E-08	1.91E-12	0.00E+00
1.281E+03	11	4.10E-08	5.64E-05	2.43E-03	2.56E-02	1.09E-01	1.14E-01	8.67E-12	3.10E-18	3.36E-22	0.00E+00
1.220E+03	10	5.19E-09	1.50E-05	1.25E-03	2.20E-02	1.12E-01	5.03E-02	1.60E-05	3.54E-09	6.52E-13	0.00E+00
1.159E+03	9	7.87E-10	5.00E-06	4.99E-04	1.59E-02	8.59E-02	5.33E-02	1.72E-05	3.81E-09	7.14E-13	0.00E+00
1.098E+03	8	2.98E-10	1.74E-06	2.35E-04	6.92E-03	5.79E-02	6.03E-02	3.88E-12	3.89E-19	6.40E-23	0.00E+00
1.037E+03	7	2.85E-10	5.81E-07	1.18E-04	3.68E-03	4.45E-02	3.16E-02	1.12E-05	2.63E-09	5.13E-13	0.00E+00
9.760E+02	6	5.04E-11	9.09E-08	5.30E-05	1.76E-03	3.18E-02	3.15E-02	1.25E-05	2.95E-09	5.89E-13	0.00E+00
8.540E+02	5	4.19E-12	7.97E-09	1.61E-05	6.01E-04	1.55E-02	1.19E-02	7.55E-06	3.22E-09	1.12E-12	0.00E+00
7.320E+02	4	2.20E-13	7.80E-10	8.41E-06	3.62E-04	9.24E-03	1.17E-02	7.93E-06	3.53E-09	1.27E-12	0.00E+00
5.490E+02	3	9.09E-15	4.75E-11	3.57E-06	1.60E-04	1.14E-02	1.09E-02	7.63E-06	3.43E-09	1.24E-12	0.00E+00
3.050E+02	2	1.09E-16	3.70E-10	3.54E-06	2.36E-04	1.25E-02	9.08E-03	6.10E-06	2.63E-09	9.11E-13	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 11 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-30	6.63E-27	1.94E-25	2.75E-24
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-27	1.44E-24	4.17E-23	5.87E-22
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-25	1.21E-22	3.46E-21	4.78E-20
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-24	5.64E-21	1.59E-19	2.15E-18
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-22	1.54E-19	4.26E-18	5.61E-17
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-21	2.47E-18	6.61E-17	8.37E-16
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-20	3.37E-17	8.61E-16	1.03E-14
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-19	3.91E-16	9.32E-15	1.04E-13
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-18	3.85E-15	8.20E-14	8.19E-13
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-17	2.54E-14	4.47E-13	3.85E-12
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-16	1.09E-13	1.47E-12	1.07E-11
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-15	4.15E-13	3.93E-12	2.43E-11
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-14	9.47E-13	8.75E-12	5.27E-11
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-14	1.33E-12	1.25E-11	7.53E-11
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-13	2.71E-12	2.53E-11	1.51E-10
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-13	4.24E-12	3.96E-11	2.36E-10
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-13	5.74E-12	5.52E-11	3.29E-10
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-13	7.06E-12	7.09E-11	4.22E-10
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-13	9.09E-12	8.66E-11	5.17E-10
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-13	1.11E-11	9.50E-11	6.28E-10
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-13	1.27E-11	8.21E-11	6.06E-10
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-13	1.33E-11	1.12E-10	5.45E-10
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-13	1.36E-11	1.63E-10	3.27E-10
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-13	1.19E-11	2.14E-10	3.86E-10
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-13	7.11E-12	1.26E-10	2.33E-10
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-14	3.20E-12	5.86E-11	1.16E-10
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-14	7.93E-13	1.58E-11	4.04E-11
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	2.53E-23	1.72E-22	9.13E-22	3.98E-21	1.50E-20	5.06E-20	1.56E-19	4.36E-19	1.08E-18	2.43E-18	5.93E-18
2.501E+03	40	5.34E-21	3.56E-20	1.85E-19	7.91E-19	2.94E-18	9.93E-18	3.07E-17	8.55E-17	2.03E-16	4.56E-16	1.35E-15
2.379E+03	39	4.25E-19	2.76E-18	1.40E-17	5.78E-17	2.10E-16	7.01E-16	2.13E-15	5.67E-15	1.20E-14	2.60E-14	1.02E-13
2.257E+03	38	1.87E-17	1.18E-16	5.80E-16	2.32E-15	8.31E-15	2.77E-14	8.28E-14	2.04E-13	3.33E-13	7.32E-13	4.32E-12
2.196E+03	37	4.74E-16	2.90E-15	1.38E-14	5.36E-14	1.95E-13	6.86E-13	2.15E-12	5.43E-12	8.38E-12	1.63E-11	1.36E-10
2.135E+03	36	6.79E-15	3.99E-14	1.82E-13	6.82E-13	2.60E-12	9.83E-12	3.26E-11	8.16E-11	1.00E-10	1.49E-10	2.89E-09
2.074E+03	35	7.92E-14	4.38E-13	1.87E-12	6.64E-12	2.73E-11	1.12E-10	3.97E-10	1.11E-09	1.62E-09	1.44E-08	6.01E-08
2.013E+03	34	7.36E-13	3.77E-12	1.48E-11	4.79E-11	2.18E-10	8.98E-10	2.99E-09	7.79E-09	1.04E-08	7.63E-08	2.71E-07
1.952E+03	33	5.30E-12	2.51E-11	9.16E-11	2.69E-10	1.40E-09	5.09E-09	1.44E-08	3.27E-08	3.65E-08	1.94E-07	5.89E-07
1.922E+03	32	2.25E-11	1.02E-10	4.20E-10	1.76E-09	6.34E-09	1.68E-08	3.94E-08	7.74E-08	6.33E-08	1.70E-07	6.54E-07
1.891E+03	31	5.62E-11	2.39E-10	9.57E-10	4.05E-09	1.33E-08	3.49E-08	8.21E-08	1.69E-07	1.72E-07	2.53E-07	7.51E-07
1.861E+03	30	1.17E-10	4.69E-10	1.66E-09	6.08E-09	1.94E-08	5.32E-08	1.29E-07	2.72E-07	3.33E-07	4.59E-07	1.32E-06
1.830E+03	29	2.47E-10	9.67E-10	3.31E-09	1.03E-08	2.91E-08	7.48E-08	1.76E-07	3.87E-07	8.57E-07	7.30E-07	1.31E-06
1.800E+03	28	3.47E-10	1.33E-09	4.44E-09	1.31E-08	3.48E-08	8.50E-08	1.96E-07	4.27E-07	9.49E-07	9.67E-07	1.22E-06
1.769E+03	27	6.91E-10	2.61E-09	8.61E-09	2.46E-08	6.28E-08	1.49E-07	3.38E-07	7.46E-07	1.54E-06	1.62E-06	2.17E-06
1.739E+03	26	1.07E-09	3.99E-09	1.29E-08	3.49E-08	8.65E-08	2.04E-07	4.70E-07	1.07E-06	2.30E-06	3.01E-06	4.82E-06
1.708E+03	25	1.48E-09	5.43E-09	1.74E-08	4.18E-08	1.11E-07	2.80E-07	6.90E-07	1.66E-06	3.86E-06	8.50E-06	1.66E-05
1.678E+03	24	1.90E-09	6.73E-09	2.14E-08	3.62E-08	1.15E-07	3.55E-07	9.74E-07	2.48E-06	5.98E-06	1.38E-05	2.73E-05
1.647E+03	23	2.33E-09	7.71E-09	2.36E-08	4.29E-08	1.36E-07	4.20E-07	1.15E-06	2.92E-06	7.01E-06	1.60E-05	3.00E-05
1.617E+03	22	2.95E-09	8.34E-09	2.63E-08	5.75E-08	1.79E-07	5.23E-07	1.37E-06	3.35E-06	7.77E-06	1.74E-05	2.62E-05
1.586E+03	21	3.17E-09	5.95E-09	2.04E-08	6.85E-08	1.97E-07	5.16E-07	1.27E-06	2.98E-06	6.65E-06	1.43E-05	2.89E-05
1.556E+03	20	2.73E-09	6.55E-09	2.02E-08	6.22E-08	1.72E-07	4.37E-07	1.04E-06	2.34E-06	5.04E-06	1.04E-05	2.03E-05
1.525E+03	19	1.62E-09	6.48E-09	2.01E-08	5.50E-08	1.40E-07	3.33E-07	7.52E-07	1.62E-06	3.33E-06	6.56E-06	1.24E-05
1.495E+03	18	1.34E-09	4.54E-09	1.34E-08	3.55E-08	8.74E-08	2.02E-07	4.39E-07	9.10E-07	1.80E-06	3.41E-06	6.20E-06
1.464E+03	17	8.30E-10	2.68E-09	7.47E-09	1.89E-08	4.45E-08	9.82E-08	2.05E-07	4.06E-07	7.66E-07	1.38E-06	2.41E-06
1.434E+03	16	4.22E-10	1.24E-09	3.16E-09	7.44E-09	1.65E-08	3.45E-08	6.81E-08	1.27E-07	2.27E-07	3.90E-07	6.49E-07
1.403E+03	15	1.43E-10	3.25E-10	7.26E-10	1.59E-09	3.31E-09	6.51E-09	1.21E-08	2.11E-08	3.51E-08	5.66E-08	8.91E-08
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

		I =	12	13	14	15	16	17	18	19	20	21	22
		X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03
Y	J												
2.928E+03	42		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41		2.50E-17	1.20E-16	3.90E-16	2.03E-15	6.32E-15	7.58E-15	8.93E-15	1.03E-14	1.18E-14	1.32E-14	3.05E-11
2.501E+03	40		9.06E-15	5.29E-14	1.80E-13	1.55E-12	8.02E-12	4.29E-11	1.98E-10	7.02E-10	2.54E-09	9.66E-09	3.53E-08
2.379E+03	39		9.71E-13	5.81E-12	2.24E-11	1.43E-10	5.33E-10	2.55E-09	1.01E-08	2.93E-08	9.50E-08	3.08E-07	8.32E-07
2.257E+03	38		4.84E-11	2.51E-10	1.11E-09	4.56E-09	1.26E-08	6.19E-08	2.06E-07	4.66E-07	1.31E-06	3.52E-06	7.12E-06
2.196E+03	37		1.44E-09	6.49E-09	2.86E-08	1.05E-07	3.52E-07	9.47E-07	1.98E-06	3.66E-06	6.61E-06	1.26E-05	2.26E-05
2.135E+03	36		1.99E-08	7.50E-08	2.24E-07	6.43E-07	1.87E-06	4.08E-06	7.66E-06	1.36E-05	2.35E-05	3.95E-05	6.43E-05
2.074E+03	35		1.76E-07	4.39E-07	9.96E-07	2.12E-06	4.65E-06	9.65E-06	1.90E-05	3.46E-05	5.97E-05	9.90E-05	1.58E-04
2.013E+03	34		7.14E-07	1.66E-06	3.55E-06	7.15E-06	1.37E-05	2.65E-05	4.83E-05	8.21E-05	1.34E-04	2.14E-04	3.28E-04
1.952E+03	33		1.52E-06	3.54E-06	7.57E-06	1.52E-05	3.01E-05	7.12E-05	1.02E-04	1.51E-04	2.28E-04	3.45E-04	5.05E-04
1.922E+03	32		1.95E-06	4.81E-06	1.05E-05	2.15E-05	4.34E-05	1.13E-04	1.77E-04	2.89E-04	4.73E-04	7.45E-04	1.06E-03
1.891E+03	31		2.08E-06	4.98E-06	1.09E-05	2.26E-05	4.44E-05	1.00E-04	2.13E-04	4.07E-04	7.09E-04	1.14E-03	1.61E-03
1.861E+03	30		3.54E-06	8.73E-06	1.97E-05	4.27E-05	8.72E-05	1.75E-04	3.57E-04	6.78E-04	1.14E-03	1.80E-03	2.55E-03
1.830E+03	29		3.21E-06	1.05E-05	2.84E-05	6.86E-05	1.50E-04	3.13E-04	6.43E-04	1.23E-03	1.79E-03	2.95E-03	4.41E-03
1.800E+03	28		1.48E-06	8.24E-06	3.35E-05	9.58E-05	2.28E-04	4.91E-04	1.01E-03	1.85E-03	1.64E-03	2.78E-03	4.97E-03
1.769E+03	27		2.67E-06	1.26E-05	5.16E-05	1.47E-04	3.41E-04	7.09E-04	1.41E-03	2.51E-03	2.35E-03	3.92E-03	6.89E-03
1.739E+03	26		5.37E-06	2.10E-05	8.57E-05	2.33E-04	5.11E-04	1.01E-03	1.93E-03	3.44E-03	5.60E-03	8.39E-03	1.19E-02
1.708E+03	25		1.17E-05	3.34E-05	1.32E-04	3.29E-04	6.61E-04	1.26E-03	2.37E-03	4.21E-03	7.05E-03	1.12E-02	1.54E-02
1.678E+03	24		2.73E-05	6.18E-05	1.65E-04	3.50E-04	6.04E-04	1.22E-03	2.43E-03	4.46E-03	7.68E-03	1.23E-02	1.18E-02
1.647E+03	23		3.80E-05	8.73E-05	1.93E-04	2.84E-04	3.08E-04	6.59E-04	1.60E-03	3.31E-03	6.15E-03	1.06E-02	1.69E-02
1.617E+03	22		3.37E-05	7.75E-05	1.65E-04	2.57E-04	5.10E-04	9.95E-04	1.88E-03	3.37E-03	5.79E-03	9.49E-03	1.49E-02
1.586E+03	21		4.49E-05	8.43E-05	1.52E-04	2.26E-04	4.01E-04	7.48E-04	1.37E-03	2.41E-03	4.09E-03	6.62E-03	1.03E-02
1.556E+03	20		3.74E-05	6.75E-05	1.17E-04	1.62E-04	2.36E-04	4.22E-04	7.75E-04	1.37E-03	2.33E-03	3.79E-03	5.87E-03
1.525E+03	19		2.26E-05	3.96E-05	6.60E-05	8.83E-05	1.22E-04	2.11E-04	3.81E-04	6.65E-04	1.12E-03	1.81E-03	2.81E-03
1.495E+03	18		1.09E-05	1.85E-05	2.98E-05	3.84E-05	5.07E-05	8.30E-05	1.44E-04	2.46E-04	4.11E-04	6.66E-04	1.04E-03
1.464E+03	17		4.08E-06	6.65E-06	1.03E-05	1.25E-05	1.54E-05	2.25E-05	3.64E-05	6.08E-05	1.03E-04	1.72E-04	2.77E-04
1.434E+03	16		1.05E-06	1.65E-06	2.53E-06	3.73E-06	5.51E-06	8.14E-06	1.05E-05	1.57E-05	2.06E-05	3.18E-05	4.90E-05
1.403E+03	15		1.38E-07	2.09E-07	3.11E-07	4.58E-07	6.68E-07	9.55E-07	1.18E-06	1.69E-06	2.13E-06	3.17E-06	4.80E-06
1.373E+03	14		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

		I =	23	24	25	26	27	28	29	30	31	32	33
		X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03
Y	J												
2.928E+03	42		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41		6.13E-10	2.91E-09	9.72E-09	2.56E-08	5.62E-08	1.09E-07	1.70E-07	2.78E-07	3.64E-07	3.86E-07	4.00E-07
2.501E+03	40		8.65E-08	1.78E-07	3.35E-07	6.54E-07	1.28E-06	2.32E-06	3.63E-06	5.69E-06	7.39E-06	8.23E-06	8.54E-06
2.379E+03	39		1.68E-06	3.00E-06	5.11E-06	9.28E-06	1.63E-05	2.74E-05	4.21E-05	5.94E-05	7.22E-05	8.51E-05	9.35E-05
2.257E+03	38		1.22E-05	1.98E-05	3.23E-05	5.69E-05	9.68E-05	1.51E-04	2.21E-04	3.46E-04	3.83E-04	4.76E-04	5.90E-04
2.196E+03	37		3.80E-05	6.18E-05	9.77E-05	1.53E-04	2.37E-04	3.50E-04	5.29E-04	1.10E-03	1.61E-03	2.07E-03	2.60E-03
2.135E+03	36		1.01E-04	1.58E-04	2.40E-04	3.51E-04	5.01E-04	7.02E-04	1.04E-03	2.46E-03	3.72E-03	5.10E-03	6.71E-03
2.074E+03	35		2.47E-04	4.54E-04	5.57E-04	6.99E-04	9.00E-04	1.16E-03	1.56E-03	3.16E-03	8.01E-03	1.36E-02	1.90E-02
2.013E+03	34		4.98E-04	9.35E-04	1.15E-03	1.50E-03	1.99E-03	2.47E-03	3.40E-03	6.11E-03	1.40E-02	2.66E-02	4.09E-02
1.952E+03	33		6.62E-04	1.05E-03	1.68E-03	2.50E-03	3.55E-03	2.93E-03	4.44E-03	6.10E-03	2.11E-02	4.78E-02	8.31E-02
1.922E+03	32		1.10E-03	1.79E-03	3.01E-03	4.15E-03	6.22E-03	5.36E-03	7.12E-03	1.05E-02	3.36E-02	7.31E-02	1.31E-01
1.891E+03	31		1.56E-03	2.04E-03	3.52E-03	3.08E-03	5.35E-03	8.51E-03	6.58E-03	1.64E-02	4.72E-02	1.04E-01	2.01E-01
1.861E+03	30		2.47E-03	2.09E-03	3.16E-03	2.45E-03	4.32E-03	8.31E-03	1.36E-02	3.16E-02	7.39E-02	1.57E-01	3.07E-01
1.830E+03	29		4.59E-03	4.08E-03	6.13E-03	4.38E-03	7.74E-03	1.48E-02	2.47E-02	5.26E-02	1.14E-01	2.34E-01	4.54E-01
1.800E+03	28		6.51E-03	1.02E-02	1.52E-02	2.15E-02	2.95E-02	3.96E-02	5.36E-02	9.00E-02	1.69E-01	3.27E-01	6.24E-01
1.769E+03	27		9.10E-03	1.35E-02	1.62E-02	2.07E-02	2.80E-02	3.84E-02	5.37E-02	9.84E-02	2.02E-01	4.17E-01	7.65E-01
1.739E+03	26		1.58E-02	1.98E-02	1.25E-02	1.20E-02	1.86E-02	3.01E-02	4.84E-02	1.05E-01	2.44E-01	5.26E-01	9.49E-01
1.708E+03	25		2.21E-02	2.99E-02	2.08E-02	1.98E-02	2.96E-02	4.68E-02	7.34E-02	1.49E-01	3.21E-01	6.53E-01	1.12E+00
1.678E+03	24		1.69E-02	2.61E-02	3.56E-02	4.23E-02	5.93E-02	8.43E-02	1.20E-01	2.07E-01	3.94E-01	7.26E-01	1.17E+00
1.647E+03	23		2.55E-02	3.67E-02	5.04E-02	6.22E-02	8.25E-02	1.10E-01	1.47E-01	2.30E-01	4.01E-01	6.84E-01	1.03E+00
1.617E+03	22		2.22E-02	3.17E-02	4.31E-02	5.32E-02	7.03E-02	9.32E-02	1.24E-01	1.92E-01	3.31E-01	5.37E-01	7.74E-01
1.586E+03	21		1.53E-02	2.17E-02	2.95E-02	3.64E-02	4.82E-02	6.38E-02	8.45E-02	1.30E-01	2.18E-01	3.56E-01	4.92E-01
1.556E+03	20		8.73E-03	1.24E-02	1.69E-02	2.07E-02	2.74E-02	3.64E-02	4.82E-02	7.46E-02	1.23E-01	2.00E-01	2.68E-01
1.525E+03	19		4.17E-03	5.95E-03	8.07E-03	9.81E-03	1.30E-02	1.73E-02	2.31E-02	3.61E-02	5.87E-02	9.29E-02	1.21E-01
1.495E+03	18		1.57E-03	2.25E-03	3.07E-03	3.66E-03	4.88E-03	6.58E-03	8.87E-03	1.42E-02	2.25E-02	3.39E-02	4.28E-02
1.464E+03	17		4.25E-04	6.22E-04	8.53E-04	1.00E-03	1.32E-03	1.79E-03	2.46E-03	3.98E-03	6.02E-03	8.59E-03	1.05E-02
1.434E+03	16		7.31E-05	1.06E-04	1.49E-04	1.99E-04	2.65E-04	3.26E-04	4.45E-04	6.77E-04	9.32E-04	1.28E-03	1.55E-03
1.403E+03	15		7.11E-06	1.03E-05	1.44E-05	1.97E-05	2.62E-05	3.26E-05	4.78E-05	6.94E-05	8.62E-05	1.14E-04	1.36E-04
1.373E+03	14		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	3.21E-07	3.73E-07	2.76E-07	3.08E-07	2.38E-07	2.73E-07	3.72E-07	3.24E-07	1.62E-07	5.88E-08	5.98E-08
2.501E+03	40	8.05E-06	7.77E-06	6.32E-06	7.48E-06	6.73E-06	9.47E-06	1.04E-05	3.95E-06	1.36E-06	7.56E-07	1.88E-05
2.379E+03	39	9.27E-05	9.12E-05	8.42E-05	6.51E-05	5.65E-05	7.77E-05	1.01E-04	8.36E-05	4.26E-05	2.21E-05	1.68E-04
2.257E+03	38	6.97E-04	7.65E-04	7.14E-04	5.53E-04	6.72E-04	9.47E-04	1.15E-03	1.40E-03	3.68E-04	1.96E-04	8.91E-04
2.196E+03	37	3.14E-03	3.55E-03	3.48E-03	4.05E-03	4.56E-03	5.05E-03	8.80E-03	1.99E-02	4.21E-03	1.55E-03	4.51E-03
2.135E+03	36	8.25E-03	9.44E-03	8.91E-03	1.05E-02	1.21E-02	1.57E-02	3.45E-02	8.29E-02	1.33E-02	3.91E-03	1.35E-02
2.074E+03	35	1.86E-02	2.42E-02	3.18E-02	3.78E-02	4.23E-02	4.66E-02	1.07E-01	2.29E-01	2.72E-02	7.30E-03	3.14E-02
2.013E+03	34	4.11E-02	5.95E-02	8.61E-02	1.08E-01	1.27E-01	1.76E-01	3.18E-01	4.06E-01	8.20E-01	2.22E-01	1.39E-01
1.952E+03	33	1.27E-01	1.83E-01	2.44E-01	2.90E-01	3.22E-01	4.24E-01	7.10E-01	8.29E-01	1.12E+00	3.65E-01	2.38E-01
1.922E+03	32	2.26E-01	3.38E-01	4.55E-01	5.29E-01	5.76E-01	7.40E-01	1.20E+00	1.32E+00	1.58E+00	3.93E-01	2.99E-01
1.891E+03	31	3.59E-01	4.61E-01	6.48E-01	7.73E-01	8.38E-01	1.06E+00	1.68E+00	1.76E+00	1.89E+00	3.22E-01	3.05E-01
1.861E+03	30	5.34E-01	7.63E-01	1.03E+00	1.17E+00	1.22E+00	1.50E+00	2.30E+00	2.75E+00	2.34E+00	2.03E+00	6.48E-01
1.830E+03	29	7.54E-01	1.06E+00	1.41E+00	1.56E+00	1.62E+00	1.97E+00	2.95E+00	3.35E+00	2.61E+00	2.56E+00	9.93E-01
1.800E+03	28	9.94E-01	1.39E+00	1.80E+00	1.98E+00	2.13E+00	2.52E+00	3.60E+00	3.80E+00	2.67E+00	2.49E+00	1.06E+00
1.769E+03	27	1.21E+00	1.71E+00	2.11E+00	2.39E+00	2.94E+00	3.12E+00	4.10E+00	4.02E+00	3.31E+00	1.87E+00	9.71E-01
1.739E+03	26	1.44E+00	2.00E+00	2.38E+00	2.60E+00	3.11E+00	3.23E+00	4.12E+00	3.87E+00	3.14E+00	1.66E+00	8.15E-01
1.708E+03	25	1.61E+00	2.18E+00	2.53E+00	2.70E+00	2.94E+00	3.02E+00	3.69E+00	3.45E+00	2.77E+00	1.45E+00	6.06E-01
1.678E+03	24	1.58E+00	2.02E+00	2.40E+00	2.42E+00	2.33E+00	2.64E+00	3.11E+00	2.94E+00	2.30E+00	1.32E+00	4.49E-01
1.647E+03	23	1.35E+00	1.62E+00	1.93E+00	2.13E+00	1.99E+00	2.25E+00	2.58E+00	2.31E+00	1.76E+00	9.61E-01	1.03E+00
1.617E+03	22	9.79E-01	1.15E+00	1.31E+00	1.50E+00	1.45E+00	1.55E+00	1.74E+00	1.56E+00	1.19E+00	6.29E-01	5.34E-01
1.586E+03	21	6.11E-01	7.11E-01	7.94E-01	9.02E-01	8.55E-01	9.57E-01	1.04E+00	9.93E-01	7.80E-01	4.61E-01	3.55E-01
1.556E+03	20	3.26E-01	3.74E-01	4.09E-01	4.60E-01	4.36E-01	4.80E-01	5.20E-01	4.70E-01	3.59E-01	2.28E-01	1.78E-01
1.525E+03	19	1.44E-01	1.62E-01	1.76E-01	1.82E-01	1.82E-01	1.92E-01	2.02E-01	1.82E-01	1.40E-01	9.38E-02	7.36E-02
1.495E+03	18	4.96E-02	5.48E-02	6.03E-02	5.87E-02	5.64E-02	5.89E-02	5.91E-02	5.67E-02	4.54E-02	3.54E-02	2.61E-02
1.464E+03	17	1.18E-02	1.29E-02	1.40E-02	1.33E-02	1.23E-02	1.26E-02	1.26E-02	1.20E-02	1.02E-02	8.89E-03	6.77E-03
1.434E+03	16	1.73E-03	1.85E-03	1.94E-03	1.80E-03	1.59E-03	1.51E-03	1.45E-03	1.40E-03	1.29E-03	1.24E-03	9.92E-04
1.403E+03	15	1.46E-04	1.49E-04	1.45E-04	1.27E-04	1.01E-04	7.86E-05	6.52E-05	6.39E-05	6.58E-05	7.19E-05	7.69E-05
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-32	5.76E-06
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-36	6.84E-07
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-38	1.27E-08
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-39	4.69E-10
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-40	2.41E-11
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-42	3.24E-12
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-43	2.21E-12
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-13
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-14
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-15
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-17
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-18
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	7.06E-08	4.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	1.72E-05	8.53E-06	3.38E-06	5.98E-07	1.50E-07	5.07E-08	2.18E-08	1.21E-08	1.09E-08	0.00E+00
2.379E+03	39	1.41E-04	7.49E-05	3.75E-05	1.16E-05	3.82E-06	1.45E-06	6.65E-07	3.85E-07	3.09E-07	0.00E+00
2.257E+03	38	7.05E-04	3.79E-04	2.10E-04	7.97E-05	2.86E-05	1.12E-05	5.04E-06	2.83E-06	2.34E-06	0.00E+00
2.196E+03	37	3.29E-03	1.60E-03	7.78E-04	2.99E-04	1.02E-04	3.80E-05	1.61E-05	8.43E-06	5.87E-06	0.00E+00
2.135E+03	36	1.06E-02	5.48E-03	2.89E-03	1.25E-03	4.10E-04	1.48E-04	5.98E-05	2.87E-05	2.86E-05	0.00E+00
2.074E+03	35	2.66E-02	1.52E-02	9.02E-03	4.34E-03	1.50E-03	5.53E-04	2.19E-04	9.46E-05	5.86E-05	0.00E+00
2.013E+03	34	1.04E-01	4.82E-02	2.87E-02	1.46E-02	5.29E-03	1.99E-03	7.72E-04	2.90E-04	3.86E-04	0.00E+00
1.952E+03	33	1.87E-01	9.69E-02	6.01E-02	3.19E-02	1.20E-02	4.58E-03	1.73E-03	5.66E-04	3.93E-04	0.00E+00
1.922E+03	32	2.51E-01	1.44E-01	9.27E-02	5.09E-02	1.96E-02	7.62E-03	2.77E-03	5.58E-03	1.36E-04	0.00E+00
1.891E+03	31	2.88E-01	1.94E-01	1.34E-01	7.75E-02	3.12E-02	1.26E-02	4.53E-03	5.55E-03	1.35E-04	0.00E+00
1.861E+03	30	4.77E-01	2.78E-01	1.94E-01	1.16E-01	4.90E-02	2.12E-02	2.06E-02	9.43E-12	9.10E-14	0.00E+00
1.830E+03	29	6.86E-01	3.89E-01	2.74E-01	1.67E-01	7.46E-02	3.47E-02	3.39E-02	5.99E-12	8.56E-18	0.00E+00
1.800E+03	28	7.65E-01	4.82E-01	3.58E-01	2.29E-01	1.09E-01	5.39E-02	7.10E-02	9.73E-05	2.18E-08	0.00E+00
1.769E+03	27	7.55E-01	5.41E-01	4.29E-01	2.84E-01	1.47E-01	7.79E-02	7.25E-02	9.79E-05	2.25E-08	0.00E+00
1.739E+03	26	6.65E-01	5.56E-01	4.72E-01	3.26E-01	1.86E-01	1.06E-01	1.05E-01	1.59E-11	2.34E-17	0.00E+00
1.708E+03	25	5.41E-01	5.05E-01	4.53E-01	3.44E-01	2.21E-01	1.37E-01	1.97E-01	2.06E-04	4.09E-08	0.00E+00
1.678E+03	24	3.87E-01	3.96E-01	4.08E-01	3.40E-01	2.46E-01	1.64E-01	1.90E-01	2.08E-04	4.26E-08	0.00E+00
1.647E+03	23	3.83E-01	3.43E-01	3.58E-01	3.19E-01	2.62E-01	1.90E-01	1.90E-01	2.57E-11	3.01E-17	0.00E+00
1.617E+03	22	3.45E-01	2.94E-01	3.05E-01	2.88E-01	2.67E-01	2.10E-01	3.34E-01	2.64E-04	4.69E-08	0.00E+00
1.586E+03	21	2.70E-01	2.40E-01	2.50E-01	2.49E-01	2.61E-01	2.23E-01	3.17E-01	2.68E-04	4.92E-08	0.00E+00
1.556E+03	20	1.63E-01	1.65E-01	1.91E-01	2.04E-01	2.48E-01	2.30E-01	2.35E-01	2.85E-11	2.38E-17	0.00E+00
1.525E+03	19	7.96E-02	9.71E-02	1.35E-01	1.58E-01	2.27E-01	2.31E-01	3.95E-01	1.89E-04	2.86E-08	0.00E+00
1.495E+03	18	2.29E-02	4.64E-02	9.09E-02	1.17E-01	2.02E-01	2.28E-01	3.80E-01	1.94E-04	3.03E-08	0.00E+00
1.464E+03	17	5.43E-03	2.17E-02	4.85E-02	8.57E-02	1.77E-01	2.21E-01	2.54E-01	2.36E-11	8.52E-18	0.00E+00
1.434E+03	16	1.40E-03	8.83E-03	2.20E-02	5.88E-02	1.51E-01	2.05E-01	2.71E-04	4.79E-08	5.42E-12	0.00E+00
1.403E+03	15	3.10E-04	3.27E-03	1.04E-02	3.89E-02	1.27E-01	1.95E-01	2.73E-04	5.03E-08	5.88E-12	0.00E+00
1.373E+03	14	3.25E-05	1.84E-03	5.13E-03	2.56E-02	1.05E-01	1.09E-01	1.06E-11	1.65E-17	1.56E-21	0.00E+00
1.342E+03	13	4.16E-06	8.66E-04	3.00E-03	1.78E-02	8.90E-02	1.50E-01	7.59E-05	1.17E-08	1.39E-12	0.00E+00
1.312E+03	12	7.39E-07	4.72E-04	1.68E-03	1.31E-02	7.95E-02	1.42E-01	7.84E-05	1.25E-08	1.51E-12	0.00E+00
1.281E+03	11	1.18E-07	1.33E-04	8.40E-04	1.27E-02	8.44E-02	8.60E-02	6.77E-12	2.44E-18	2.67E-22	0.00E+00
1.220E+03	10	2.49E-08	2.68E-05	3.53E-04	1.16E-02	7.11E-02	3.69E-02	1.29E-05	2.99E-09	5.68E-13	0.00E+00

1.159E+03	9	6.67E-09	7.47E-06	1.25E-04	9.38E-03	6.07E-02	4.00E-02	1.40E-05	3.22E-09	6.22E-13	0.00E+00
1.098E+03	8	2.02E-09	2.46E-06	5.03E-05	3.88E-03	4.54E-02	4.30E-02	3.08E-12	3.46E-19	5.87E-23	0.00E+00
1.037E+03	7	6.75E-10	9.41E-07	2.15E-05	2.06E-03	3.76E-02	2.76E-02	1.04E-05	2.52E-09	4.99E-13	0.00E+00
9.760E+02	6	1.37E-10	1.95E-07	8.09E-06	9.75E-04	2.89E-02	2.75E-02	1.16E-05	2.82E-09	5.74E-13	0.00E+00
8.540E+02	5	1.17E-11	1.91E-08	2.15E-06	2.80E-04	1.29E-02	1.06E-02	7.34E-06	3.22E-09	1.14E-12	0.00E+00
7.320E+02	4	8.99E-13	7.98E-09	7.85E-07	1.62E-04	9.25E-03	1.05E-02	7.68E-06	3.52E-09	1.28E-12	0.00E+00
5.490E+02	3	5.91E-14	1.26E-09	3.43E-07	7.20E-05	9.34E-03	9.68E-03	7.26E-06	3.35E-09	1.22E-12	0.00E+00
3.050E+02	2	5.87E-16	4.80E-10	1.43E-06	1.19E-04	1.01E-02	7.98E-03	5.67E-06	2.49E-09	8.72E-13	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 12 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-30	5.70E-27	1.66E-25	2.36E-24
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-27	1.23E-24	3.57E-23	5.02E-22
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-25	1.02E-22	2.92E-21	4.04E-20
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-24	4.71E-21	1.32E-19	1.79E-18
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-22	1.28E-19	3.51E-18	4.62E-17
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-21	2.00E-18	5.33E-17	6.76E-16
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-20	2.65E-17	6.74E-16	8.09E-15
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-19	2.95E-16	6.97E-15	7.74E-14
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-18	2.73E-15	5.74E-14	5.72E-13
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-17	1.65E-14	2.85E-13	2.43E-12
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-17	6.04E-14	7.80E-13	5.57E-12
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-15	1.68E-13	1.43E-12	8.59E-12
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-14	3.19E-13	2.82E-12	1.70E-11
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-15	1.05E-13	1.00E-12	6.34E-12
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-14	2.05E-13	1.95E-12	1.22E-11
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-14	3.10E-13	2.98E-12	1.86E-11
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-14	4.11E-13	4.08E-12	2.55E-11
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-14	4.99E-13	5.17E-12	3.26E-11
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-14	6.38E-13	6.23E-12	4.07E-11
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-14	7.69E-13	6.81E-12	5.36E-11
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-14	8.81E-13	6.27E-12	1.40E-10
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-14	9.52E-13	9.26E-12	1.19E-10
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-14	1.19E-12	1.59E-11	2.86E-11
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-14	5.03E-12	9.37E-11	7.47E-11
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-14	3.41E-12	5.92E-11	4.69E-11
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-14	1.53E-12	2.77E-11	2.27E-11
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-15	3.79E-13	7.47E-12	7.17E-12
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	2.18E-23	1.48E-22	7.87E-22	3.44E-21	1.29E-20	4.37E-20	1.35E-19	3.76E-19	9.29E-19	2.10E-18	4.99E-18
2.501E+03	40	4.58E-21	3.05E-20	1.59E-19	6.80E-19	2.53E-18	8.53E-18	2.63E-17	7.32E-17	1.75E-16	3.91E-16	1.09E-15
2.379E+03	39	3.60E-19	2.34E-18	1.19E-17	4.92E-17	1.79E-16	5.95E-16	1.80E-15	4.79E-15	1.02E-14	2.19E-14	7.68E-14
2.257E+03	38	1.56E-17	9.89E-17	4.87E-16	1.95E-15	6.99E-15	2.32E-14	6.90E-14	1.69E-13	2.84E-13	5.87E-13	2.94E-12
2.196E+03	37	3.91E-16	2.40E-15	1.14E-14	4.45E-14	1.62E-13	5.63E-13	1.75E-12	4.26E-12	5.70E-12	1.09E-11	8.07E-11
2.135E+03	36	5.49E-15	3.23E-14	1.48E-13	5.55E-13	2.10E-12	7.80E-12	2.54E-11	6.11E-11	6.60E-11	9.42E-11	1.42E-09
2.074E+03	35	6.20E-14	3.44E-13	1.48E-12	5.27E-12	2.12E-11	8.45E-11	2.92E-10	7.58E-10	8.66E-10	1.08E-08	3.06E-08
2.013E+03	34	5.51E-13	2.82E-12	1.11E-11	3.63E-11	1.58E-10	6.24E-10	2.02E-09	4.84E-09	5.05E-09	5.43E-08	1.35E-07
1.952E+03	33	3.70E-12	1.75E-11	6.43E-11	1.91E-10	9.05E-10	3.06E-09	8.31E-09	1.69E-08	1.47E-08	1.17E-07	2.53E-07
1.922E+03	32	1.41E-11	6.29E-11	2.75E-10	1.48E-09	3.33E-09	7.33E-09	1.58E-08	2.56E-08	1.60E-08	4.34E-08	1.74E-07
1.891E+03	31	2.89E-11	1.20E-10	5.04E-10	2.84E-09	6.61E-09	1.58E-08	3.57E-08	5.58E-08	2.83E-08	4.02E-08	8.46E-08
1.861E+03	30	4.05E-11	1.59E-10	5.42E-10	2.34E-09	7.74E-09	2.14E-08	5.13E-08	8.43E-08	5.27E-08	6.93E-08	1.37E-07
1.830E+03	29	7.96E-11	3.11E-10	1.06E-09	3.26E-09	9.32E-09	2.42E-08	5.67E-08	1.07E-07	1.27E-07	1.09E-07	1.59E-07
1.800E+03	28	3.07E-11	1.22E-10	4.27E-10	1.30E-09	3.58E-09	8.99E-09	2.14E-08	4.82E-08	1.06E-07	1.22E-07	1.71E-07
1.769E+03	27	5.85E-11	2.30E-10	7.86E-10	2.32E-09	6.11E-09	1.50E-08	3.53E-08	8.05E-08	1.71E-07	2.02E-07	2.95E-07
1.739E+03	26	8.82E-11	3.41E-10	1.15E-09	3.22E-09	8.30E-09	2.06E-08	4.99E-08	1.18E-07	2.65E-07	3.79E-07	6.26E-07
1.708E+03	25	1.21E-10	4.57E-10	1.53E-09	3.91E-09	1.10E-08	3.04E-08	8.00E-08	2.02E-07	4.86E-07	1.09E-06	2.09E-06
1.678E+03	24	1.55E-10	5.66E-10	1.87E-09	3.81E-09	2.75E-08	1.31E-07	4.00E-07	1.07E-06	2.63E-06	6.08E-06	1.09E-05
1.647E+03	23	2.00E-10	6.66E-10	2.18E-09	4.91E-09	3.64E-08	1.81E-07	5.58E-07	1.49E-06	3.63E-06	8.39E-06	1.37E-05
1.617E+03	22	2.94E-10	7.93E-10	2.99E-09	8.32E-09	6.61E-08	3.01E-07	8.74E-07	2.22E-06	5.23E-06	1.16E-05	1.11E-05
1.586E+03	21	1.20E-09	9.81E-10	7.74E-09	4.10E-08	1.40E-07	3.94E-07	1.01E-06	2.42E-06	5.48E-06	1.19E-05	2.37E-05
1.556E+03	20	1.30E-09	1.83E-09	9.34E-09	4.01E-08	1.25E-07	3.37E-07	8.29E-07	1.91E-06	4.16E-06	8.65E-06	1.70E-05
1.525E+03	19	5.99E-10	3.83E-09	1.37E-08	4.04E-08	1.07E-07	2.63E-07	6.08E-07	1.33E-06	2.77E-06	5.50E-06	1.04E-05
1.495E+03	18	4.84E-10	2.56E-09	8.89E-09	2.56E-08	6.63E-08	1.58E-07	3.53E-07	7.43E-07	1.49E-06	2.84E-06	5.21E-06
1.464E+03	17	3.01E-10	1.49E-09	4.89E-09	1.35E-08	3.34E-08	7.63E-08	1.63E-07	3.29E-07	6.28E-07	1.15E-06	2.02E-06

1.434E+03	16	1.52E-10	6.70E-10	2.00E-09	5.18E-09	1.22E-08	2.65E-08	5.37E-08	1.02E-07	1.85E-07	3.21E-07	5.38E-07
1.403E+03	15	4.79E-11	1.53E-10	4.27E-10	1.05E-09	2.36E-09	4.87E-09	9.33E-09	1.67E-08	2.83E-08	4.62E-08	7.34E-08
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	1.93E-17	8.81E-17	2.80E-16	1.36E-15	4.30E-15	5.32E-15	6.44E-15	7.62E-15	8.84E-15	1.01E-14	2.12E-11
2.501E+03	40	6.57E-15	3.68E-14	1.20E-13	9.59E-13	5.21E-12	2.97E-11	1.38E-10	4.76E-10	1.77E-09	8.43E-09	2.29E-08
2.379E+03	39	6.55E-13	3.71E-12	1.12E-11	8.06E-11	3.33E-10	1.72E-09	6.74E-09	1.85E-08	6.28E-08	2.60E-07	5.39E-07
2.257E+03	38	3.01E-11	1.49E-10	5.50E-10	2.62E-09	7.91E-09	4.05E-08	1.24E-07	2.40E-07	7.45E-07	2.67E-06	4.30E-06
2.196E+03	37	8.08E-10	3.40E-09	1.58E-08	6.76E-08	2.97E-07	5.89E-07	1.02E-06	1.66E-06	2.83E-06	5.69E-06	1.04E-05
2.135E+03	36	9.94E-09	3.84E-08	1.16E-07	3.67E-07	1.40E-06	2.33E-06	3.84E-06	6.46E-06	1.09E-05	1.81E-05	2.93E-05
2.074E+03	35	7.67E-08	1.79E-07	3.94E-07	8.27E-07	1.98E-06	4.22E-06	8.49E-06	1.55E-05	2.66E-05	4.39E-05	6.92E-05
2.013E+03	34	3.12E-07	6.99E-07	1.49E-06	3.03E-06	5.81E-06	1.11E-05	1.99E-05	3.30E-05	5.31E-05	8.39E-05	1.27E-04
1.952E+03	33	5.92E-07	1.35E-06	2.92E-06	5.94E-06	1.01E-05	1.54E-05	1.94E-05	2.70E-05	4.02E-05	6.14E-05	9.26E-05
1.922E+03	32	5.40E-07	1.38E-06	3.13E-06	6.58E-06	1.22E-05	1.92E-05	2.68E-05	4.32E-05	7.23E-05	1.19E-04	1.79E-04
1.891E+03	31	2.08E-07	5.06E-07	1.17E-06	2.62E-06	5.53E-06	1.25E-05	2.80E-05	5.73E-05	1.06E-04	1.79E-04	2.71E-04
1.861E+03	30	3.24E-07	8.16E-07	1.99E-06	4.71E-06	1.04E-05	2.24E-05	4.86E-05	9.87E-05	1.73E-04	2.86E-04	4.33E-04
1.830E+03	29	3.16E-07	9.82E-07	2.92E-06	7.81E-06	1.85E-05	4.12E-05	9.05E-05	1.83E-04	2.73E-04	4.77E-04	7.69E-04
1.800E+03	28	2.72E-07	1.77E-06	1.05E-05	3.40E-05	8.56E-05	1.94E-04	4.21E-04	7.75E-04	4.23E-04	9.73E-04	2.32E-03
1.769E+03	27	4.80E-07	2.77E-06	1.65E-05	5.30E-05	1.32E-04	2.92E-04	6.18E-04	1.12E-03	7.06E-04	1.44E-03	3.17E-03
1.739E+03	26	9.73E-07	4.57E-06	2.64E-05	8.07E-05	1.93E-04	4.04E-04	8.39E-04	1.57E-03	2.56E-03	3.66E-03	4.91E-03
1.708E+03	25	2.36E-06	7.59E-06	3.95E-05	1.10E-04	2.39E-04	4.99E-04	1.04E-03	1.98E-03	3.47E-03	5.60E-03	7.26E-03
1.678E+03	24	8.27E-06	1.96E-05	5.69E-05	1.23E-04	2.13E-04	5.32E-04	1.23E-03	2.47E-03	4.46E-03	7.16E-03	4.52E-03
1.647E+03	23	1.29E-05	3.88E-05	9.61E-05	1.23E-04	9.62E-05	2.82E-04	9.26E-04	2.18E-03	4.36E-03	7.89E-03	1.31E-02
1.617E+03	22	1.43E-05	4.41E-05	1.04E-04	1.56E-04	3.21E-04	6.55E-04	1.29E-03	2.40E-03	4.30E-03	7.27E-03	1.17E-02
1.586E+03	21	3.24E-05	6.06E-05	1.09E-04	1.45E-04	2.58E-04	4.99E-04	9.51E-04	1.72E-03	3.03E-03	5.07E-03	8.07E-03
1.556E+03	20	3.09E-05	5.59E-05	9.53E-05	1.14E-04	1.51E-04	2.78E-04	5.32E-04	9.71E-04	1.71E-03	2.86E-03	4.56E-03
1.525E+03	19	1.90E-05	3.34E-05	5.45E-05	6.26E-05	7.73E-05	1.37E-04	2.58E-04	4.64E-04	8.07E-04	1.35E-03	2.14E-03
1.495E+03	18	9.19E-06	1.56E-05	2.46E-05	2.72E-05	3.18E-05	5.29E-05	9.42E-05	1.65E-04	2.82E-04	4.68E-04	7.50E-04
1.464E+03	17	3.42E-06	5.60E-06	8.51E-06	8.99E-06	1.00E-05	1.48E-05	2.38E-05	3.99E-05	6.72E-05	1.15E-04	1.90E-04
1.434E+03	16	8.75E-07	1.38E-06	2.13E-06	3.08E-06	4.47E-06	6.52E-06	7.44E-06	1.10E-05	1.38E-05	2.18E-05	3.47E-05
1.403E+03	15	1.14E-07	1.74E-07	2.62E-07	3.86E-07	5.60E-07	7.90E-07	8.61E-07	1.20E-06	1.42E-06	2.16E-06	3.37E-06
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	3.90E-10	1.86E-09	7.49E-09	1.85E-08	4.52E-08	7.27E-08	8.37E-08	1.05E-07	1.29E-07	1.36E-07	1.43E-07
2.501E+03	40	4.89E-08	9.40E-08	1.77E-07	4.16E-07	9.90E-07	1.55E-06	1.85E-06	2.18E-06	2.65E-06	2.90E-06	3.03E-06
2.379E+03	39	9.46E-07	1.59E-06	2.72E-06	6.13E-06	1.36E-05	2.00E-05	2.90E-05	2.43E-05	2.74E-05	3.15E-05	3.45E-05
2.257E+03	38	6.56E-06	1.02E-05	1.68E-05	3.72E-05	7.67E-05	1.07E-04	1.41E-04	1.47E-04	1.49E-04	1.77E-04	2.16E-04
2.196E+03	37	1.75E-05	2.84E-05	4.50E-05	7.13E-05	1.15E-04	1.71E-04	2.33E-04	5.23E-04	6.29E-04	7.54E-04	9.28E-04
2.135E+03	36	4.48E-05	6.93E-05	1.04E-04	1.50E-04	2.13E-04	2.97E-04	4.05E-04	9.10E-04	1.20E-03	1.64E-03	2.24E-03
2.074E+03	35	9.27E-05	1.16E-04	1.35E-04	1.66E-04	2.10E-04	2.70E-04	3.52E-04	6.65E-04	1.89E-03	3.86E-03	5.91E-03
2.013E+03	34	1.70E-04	2.02E-04	2.37E-04	3.00E-04	3.96E-04	5.16E-04	6.70E-04	1.19E-03	3.18E-03	6.62E-03	1.12E-02
1.952E+03	33	1.29E-04	1.93E-04	2.98E-04	4.46E-04	6.44E-04	7.87E-04	1.42E-03	1.98E-03	1.55E-02	4.09E-02	8.01E-02
1.922E+03	32	2.23E-04	3.25E-04	5.10E-04	7.38E-04	1.08E-03	1.30E-03	2.24E-03	3.66E-03	2.58E-02	6.51E-02	1.28E-01
1.891E+03	31	3.26E-04	4.19E-04	6.50E-04	8.00E-04	1.80E-03	3.54E-03	2.19E-03	9.58E-03	3.99E-02	9.17E-02	1.90E-01
1.861E+03	30	5.08E-04	5.15E-04	7.63E-04	8.93E-04	1.71E-03	4.27E-03	7.95E-03	2.40E-02	6.69E-02	1.42E-01	2.81E-01
1.830E+03	29	9.14E-04	8.99E-04	1.37E-03	1.44E-03	3.19E-03	8.30E-03	1.60E-02	4.23E-02	1.06E-01	2.15E-01	4.10E-01
1.800E+03	28	3.12E-03	5.29E-03	8.51E-03	1.34E-02	1.95E-02	2.73E-02	3.91E-02	7.64E-02	1.60E-01	3.02E-01	5.36E-01
1.769E+03	27	4.07E-03	6.30E-03	7.69E-03	1.07E-02	1.59E-02	2.36E-02	3.61E-02	8.03E-02	1.89E-01	3.87E-01	5.47E-01
1.739E+03	26	6.22E-03	7.19E-03	3.59E-03	3.57E-03	8.00E-03	1.60E-02	3.01E-02	8.42E-02	2.28E-01	4.99E-01	6.79E-01
1.708E+03	25	1.11E-02	1.47E-02	7.28E-03	6.72E-03	1.42E-02	2.73E-02	4.93E-02	1.24E-01	3.07E-01	6.33E-01	8.12E-01
1.678E+03	24	7.75E-03	1.52E-02	2.19E-02	2.63E-02	3.91E-02	5.96E-02	9.11E-02	1.83E-01	3.84E-01	7.17E-01	8.65E-01
1.647E+03	23	2.03E-02	2.96E-02	4.03E-02	4.71E-02	6.29E-02	8.62E-02	1.20E-01	2.10E-01	3.96E-01	6.73E-01	7.67E-01
1.617E+03	22	1.79E-02	2.58E-02	3.48E-02	4.06E-02	5.39E-02	7.35E-02	1.02E-01	1.76E-01	3.28E-01	5.07E-01	5.59E-01
1.586E+03	21	1.22E-02	1.76E-02	2.37E-02	2.76E-02	3.67E-02	4.99E-02	6.90E-02	1.20E-01	2.16E-01	2.79E-01	3.31E-01

1.556E+03	20	6.93E-03	9.98E-03	1.34E-02	1.56E-02	2.07E-02	2.83E-02	3.91E-02	6.80E-02	1.21E-01	1.53E-01	1.77E-01
1.525E+03	19	3.25E-03	4.68E-03	6.30E-03	7.28E-03	9.67E-03	1.32E-02	1.84E-02	3.25E-02	5.76E-02	7.07E-02	7.95E-02
1.495E+03	18	1.15E-03	1.68E-03	2.29E-03	2.63E-03	3.52E-03	4.87E-03	6.87E-03	1.25E-02	2.18E-02	2.55E-02	2.78E-02
1.464E+03	17	2.98E-04	4.46E-04	6.17E-04	7.10E-04	9.42E-04	1.30E-03	1.87E-03	3.47E-03	5.80E-03	6.45E-03	6.86E-03
1.434E+03	16	5.31E-05	7.88E-05	1.12E-04	1.51E-04	2.01E-04	2.43E-04	3.45E-04	6.02E-04	9.09E-04	9.71E-04	1.06E-03
1.403E+03	15	5.14E-06	7.60E-06	1.09E-05	1.51E-05	2.01E-05	2.44E-05	3.78E-05	6.19E-05	8.35E-05	8.60E-05	1.02E-04
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	1.57E-07	2.20E-07	1.66E-07	1.98E-07	1.44E-07	1.77E-07	2.68E-07	3.24E-07	1.82E-07	9.63E-08	8.48E-08
2.501E+03	40	3.46E-06	3.88E-06	3.54E-06	4.71E-06	4.18E-06	6.74E-06	6.70E-06	4.17E-06	1.83E-06	1.63E-05	2.42E-05
2.379E+03	39	3.47E-05	3.53E-05	3.95E-05	3.59E-05	3.24E-05	4.10E-05	3.56E-05	2.92E-05	8.27E-05	2.10E-04	2.17E-04
2.257E+03	38	2.56E-04	2.84E-04	3.22E-04	2.97E-04	3.61E-04	6.15E-04	6.07E-04	4.91E-04	8.08E-04	1.24E-03	1.10E-03
2.196E+03	37	1.14E-03	1.31E-03	1.55E-03	2.01E-03	2.36E-03	2.78E-03	5.21E-03	6.82E-03	6.53E-03	6.72E-03	5.66E-03
2.135E+03	36	3.01E-03	3.38E-03	3.92E-03	5.22E-03	6.28E-03	8.69E-03	2.08E-02	2.94E-02	2.15E-02	1.95E-02	1.70E-02
2.074E+03	35	7.75E-03	1.17E-02	1.65E-02	1.78E-02	1.58E-02	2.04E-02	4.47E-02	8.18E-02	5.91E-02	4.47E-02	4.03E-02
2.013E+03	34	1.51E-02	2.81E-02	4.54E-02	5.19E-02	5.04E-02	7.16E-02	1.31E-01	1.88E-01	2.74E-01	2.22E-01	1.54E-01
1.952E+03	33	8.91E-02	1.14E-01	1.45E-01	1.50E-01	1.37E-01	1.84E-01	3.08E-01	3.94E-01	4.50E-01	3.74E-01	2.70E-01
1.922E+03	32	1.63E-01	2.41E-01	3.12E-01	3.02E-01	2.62E-01	3.39E-01	5.37E-01	6.33E-01	6.64E-01	4.75E-01	3.60E-01
1.891E+03	31	2.85E-01	4.70E-01	6.00E-01	4.96E-01	3.95E-01	4.95E-01	7.58E-01	8.47E-01	8.25E-01	5.09E-01	4.05E-01
1.861E+03	30	3.90E-01	7.24E-01	9.06E-01	7.22E-01	5.45E-01	6.75E-01	1.02E+00	1.15E+00	1.00E+00	9.18E-01	6.32E-01
1.830E+03	29	5.37E-01	9.75E-01	1.20E+00	9.43E-01	7.01E-01	8.67E-01	1.29E+00	1.37E+00	1.13E+00	9.43E-01	7.31E-01
1.800E+03	28	6.85E-01	1.24E+00	1.45E+00	1.15E+00	8.92E-01	1.09E+00	1.57E+00	1.55E+00	1.22E+00	9.98E-01	7.66E-01
1.769E+03	27	7.85E-01	1.46E+00	1.46E+00	1.33E+00	1.18E+00	1.35E+00	1.82E+00	1.65E+00	1.32E+00	9.97E-01	7.89E-01
1.739E+03	26	9.37E-01	1.63E+00	1.58E+00	1.41E+00	1.22E+00	1.39E+00	1.83E+00	1.60E+00	1.24E+00	9.13E-01	7.07E-01
1.708E+03	25	1.05E+00	1.62E+00	1.68E+00	1.57E+00	1.18E+00	1.34E+00	1.72E+00	1.47E+00	1.10E+00	7.77E-01	5.67E-01
1.678E+03	24	1.04E+00	1.30E+00	1.82E+00	1.92E+00	1.03E+00	1.25E+00	1.52E+00	1.30E+00	9.36E-01	5.85E-01	4.40E-01
1.647E+03	23	8.81E-01	9.94E-01	1.22E+00	1.50E+00	7.87E-01	9.85E-01	1.21E+00	9.91E-01	6.99E-01	4.22E-01	3.68E-01
1.617E+03	22	6.27E-01	6.97E-01	7.80E-01	9.08E-01	5.17E-01	7.03E-01	8.39E-01	6.64E-01	4.61E-01	2.86E-01	2.26E-01
1.586E+03	21	3.78E-01	4.21E-01	4.60E-01	5.20E-01	2.90E-01	3.81E-01	5.08E-01	4.03E-01	2.81E-01	1.76E-01	1.41E-01
1.556E+03	20	2.00E-01	2.19E-01	2.36E-01	2.54E-01	1.41E-01	1.86E-01	2.46E-01	1.86E-01	1.27E-01	8.17E-02	6.67E-02
1.525E+03	19	8.76E-02	9.45E-02	1.03E-01	9.24E-02	5.59E-02	7.93E-02	9.97E-02	7.31E-02	4.95E-02	3.27E-02	2.69E-02
1.495E+03	18	2.99E-02	3.19E-02	3.73E-02	3.01E-02	1.72E-02	2.30E-02	3.02E-02	2.26E-02	1.56E-02	1.14E-02	9.36E-03
1.464E+03	17	7.23E-03	7.58E-03	8.87E-03	6.86E-03	3.72E-03	4.83E-03	6.30E-03	4.68E-03	3.53E-03	3.02E-03	2.51E-03
1.434E+03	16	1.12E-03	1.16E-03	1.28E-03	9.70E-04	4.92E-04	6.03E-04	7.52E-04	5.52E-04	4.41E-04	4.10E-04	3.59E-04
1.403E+03	15	1.10E-04	1.11E-04	1.08E-04	7.48E-05	3.42E-05	3.69E-05	4.02E-05	2.87E-05	2.42E-05	2.47E-05	3.05E-05
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-32	2.43E-06
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-34	3.35E-07
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-36	4.12E-08
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-37	5.95E-09
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-38	1.03E-09
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-39	2.05E-10
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-40	3.61E-11
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-12
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-13
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-15
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-16
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-18
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	7.50E-08	5.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	1.75E-05	1.02E-05	3.68E-06	6.49E-07	1.61E-07	5.34E-08	2.26E-08	1.25E-08	1.10E-08	0.00E+00
2.379E+03	39	1.46E-04	8.90E-05	3.98E-05	1.24E-05	4.02E-06	1.51E-06	6.84E-07	3.92E-07	3.13E-07	0.00E+00
2.257E+03	38	7.06E-04	4.40E-04	2.18E-04	8.29E-05	2.97E-05	1.15E-05	5.09E-06	2.83E-06	2.33E-06	0.00E+00
2.196E+03	37	3.32E-03	1.94E-03	8.98E-04	3.30E-04	1.10E-04	4.00E-05	1.66E-05	8.56E-06	5.91E-06	0.00E+00
2.135E+03	36	1.09E-02	6.73E-03	3.26E-03	1.31E-03	4.38E-04	1.57E-04	6.22E-05	2.96E-05	2.92E-05	0.00E+00
2.074E+03	35	2.82E-02	1.84E-02	9.74E-03	4.38E-03	1.56E-03	5.78E-04	2.27E-04	9.73E-05	5.98E-05	0.00E+00
2.013E+03	34	1.03E-01	5.17E-02	2.97E-02	1.43E-02	5.37E-03	2.05E-03	7.89E-04	2.96E-04	3.91E-04	0.00E+00
1.952E+03	33	1.91E-01	1.03E-01	6.13E-02	3.10E-02	1.20E-02	4.64E-03	1.75E-03	5.75E-04	3.96E-04	0.00E+00
1.922E+03	32	2.65E-01	1.52E-01	9.41E-02	4.91E-02	1.94E-02	7.67E-03	2.80E-03	5.60E-03	1.33E-04	0.00E+00
1.891E+03	31	3.18E-01	2.05E-01	1.35E-01	7.43E-02	3.08E-02	1.26E-02	4.55E-03	5.56E-03	1.32E-04	0.00E+00
1.861E+03	30	4.53E-01	2.82E-01	1.92E-01	1.09E-01	4.78E-02	2.10E-02	2.05E-02	9.55E-12	9.00E-14	0.00E+00
1.830E+03	29	5.60E-01	3.65E-01	2.61E-01	1.55E-01	7.18E-02	3.40E-02	3.33E-02	6.03E-12	8.27E-18	0.00E+00
1.800E+03	28	6.09E-01	4.33E-01	3.34E-01	2.08E-01	1.03E-01	5.23E-02	6.94E-02	9.46E-05	2.10E-08	0.00E+00
1.769E+03	27	6.25E-01	4.61E-01	3.69E-01	2.30E-01	1.35E-01	7.42E-02	7.04E-02	9.51E-05	2.17E-08	0.00E+00
1.739E+03	26	5.72E-01	4.74E-01	3.90E-01	2.54E-01	1.66E-01	9.98E-02	9.91E-02	1.55E-11	2.24E-17	0.00E+00
1.708E+03	25	4.87E-01	4.38E-01	3.56E-01	2.65E-01	1.94E-01	1.26E-01	1.86E-01	1.96E-04	3.87E-08	0.00E+00

1.678E+03	24	3.67E-01	3.56E-01	3.10E-01	2.63E-01	2.15E-01	1.51E-01	1.79E-01	1.98E-04	4.03E-08	0.00E+00
1.647E+03	23	2.98E-01	2.92E-01	2.61E-01	2.47E-01	2.26E-01	1.72E-01	1.73E-01	2.44E-11	2.84E-17	0.00E+00
1.617E+03	22	2.40E-01	2.37E-01	2.12E-01	2.21E-01	2.29E-01	1.89E-01	3.08E-01	2.46E-04	4.37E-08	0.00E+00
1.586E+03	21	1.58E-01	1.75E-01	1.62E-01	1.88E-01	2.22E-01	1.99E-01	2.91E-01	2.50E-04	4.57E-08	0.00E+00
1.556E+03	20	8.45E-02	1.14E-01	1.13E-01	1.52E-01	2.08E-01	2.03E-01	2.09E-01	2.64E-11	2.20E-17	0.00E+00
1.525E+03	19	3.78E-02	6.49E-02	7.25E-02	1.16E-01	1.89E-01	2.03E-01	3.57E-01	1.72E-04	2.61E-08	0.00E+00
1.495E+03	18	1.28E-02	3.24E-02	5.01E-02	8.50E-02	1.66E-01	1.99E-01	3.42E-01	1.77E-04	2.76E-08	0.00E+00
1.464E+03	17	2.84E-03	1.74E-02	2.89E-02	5.83E-02	1.43E-01	1.91E-01	2.22E-01	2.13E-11	7.79E-18	0.00E+00
1.434E+03	16	6.58E-04	7.96E-03	1.57E-02	3.84E-02	1.21E-01	1.77E-01	2.42E-04	4.30E-08	4.87E-12	0.00E+00
1.403E+03	15	1.38E-04	3.28E-03	8.37E-03	2.45E-02	1.01E-01	1.67E-01	2.44E-04	4.52E-08	5.29E-12	0.00E+00
1.373E+03	14	2.08E-05	1.42E-03	4.34E-03	1.55E-02	8.25E-02	8.63E-02	8.71E-12	1.47E-17	1.38E-21	0.00E+00
1.342E+03	13	3.93E-06	5.38E-04	2.61E-03	1.11E-02	6.92E-02	1.20E-01	6.20E-05	9.67E-09	1.15E-12	0.00E+00
1.312E+03	12	1.01E-06	2.50E-04	1.37E-03	8.33E-03	6.14E-02	1.14E-01	6.41E-05	1.03E-08	1.25E-12	0.00E+00
1.281E+03	11	2.30E-07	7.55E-05	5.00E-04	7.27E-03	6.26E-02	6.54E-02	5.33E-12	2.02E-18	2.23E-22	0.00E+00
1.220E+03	10	5.16E-08	2.08E-05	1.59E-04	8.06E-03	5.65E-02	3.09E-02	1.12E-05	2.65E-09	5.08E-13	0.00E+00
1.159E+03	9	1.29E-08	6.48E-06	5.42E-05	5.86E-03	4.58E-02	3.30E-02	1.21E-05	2.85E-09	5.57E-13	0.00E+00
1.098E+03	8	3.37E-09	2.24E-06	2.05E-05	2.49E-03	3.30E-02	3.30E-02	2.41E-12	2.97E-19	5.07E-23	0.00E+00
1.037E+03	7	7.65E-10	9.60E-07	8.66E-06	1.44E-03	2.51E-02	2.26E-02	8.61E-06	2.09E-09	4.14E-13	0.00E+00
9.760E+02	6	1.81E-10	3.85E-07	3.34E-06	6.70E-04	1.69E-02	2.18E-02	9.57E-06	2.34E-09	4.76E-13	0.00E+00
8.540E+02	5	2.90E-11	9.70E-08	9.91E-07	1.72E-04	3.34E-03	8.81E-03	6.40E-06	2.82E-09	9.95E-13	0.00E+00
7.320E+02	4	2.58E-12	1.86E-08	3.31E-07	9.33E-05	4.56E-03	8.85E-03	6.72E-06	3.08E-09	1.12E-12	0.00E+00
5.490E+02	3	1.79E-13	3.12E-09	7.86E-08	4.50E-05	6.82E-03	8.21E-03	6.32E-06	2.93E-09	1.07E-12	0.00E+00
3.050E+02	2	2.75E-15	6.99E-10	6.97E-07	7.29E-05	7.89E-03	6.82E-03	4.98E-06	2.21E-09	7.75E-13	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 13 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-30	3.72E-27	1.08E-25	1.54E-24
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-27	7.94E-25	2.30E-23	3.24E-22
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.39E-26	6.53E-23	1.87E-21	2.58E-20
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-24	2.97E-21	8.35E-20	1.13E-18
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-23	7.86E-20	2.16E-18	2.84E-17
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-21	1.20E-18	3.18E-17	4.04E-16
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-20	1.53E-17	3.86E-16	4.64E-15
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-19	1.61E-16	3.77E-15	4.19E-14
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-18	1.37E-15	2.85E-14	2.83E-13
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.10E-18	7.11E-15	1.20E-13	1.02E-12
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-17	1.87E-14	2.33E-13	1.65E-12
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-15	1.05E-14	8.68E-14	5.45E-13
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-15	2.06E-14	1.85E-13	1.18E-12
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-17	2.41E-14	2.57E-13	1.70E-12
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-17	4.04E-14	4.34E-13	2.85E-12
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-16	6.02E-14	6.47E-13	4.24E-12
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-16	8.06E-14	8.77E-13	5.73E-12
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-15	1.03E-13	1.11E-12	7.26E-12
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-15	1.31E-13	1.37E-12	8.74E-12
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-15	1.56E-13	1.71E-12	9.57E-12
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-15	1.77E-13	2.39E-12	1.28E-11
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-15	1.84E-13	3.35E-12	1.12E-11
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-15	1.77E-13	4.09E-12	5.25E-12
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-15	2.03E-13	3.94E-12	4.04E-12
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-15	1.52E-13	2.65E-12	2.61E-12
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-15	6.68E-14	1.20E-12	1.18E-12
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-16	1.61E-14	3.17E-13	3.39E-13
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	1.42E-23	9.67E-23	5.15E-22	2.26E-21	8.51E-21	2.87E-20	8.85E-20	2.47E-19	6.12E-19	1.38E-18	3.22E-18
2.501E+03	40	2.96E-21	1.97E-20	1.03E-19	4.42E-19	1.65E-18	5.56E-18	1.72E-17	4.77E-17	1.15E-16	2.56E-16	6.76E-16
2.379E+03	39	2.30E-19	1.50E-18	7.64E-18	3.17E-17	1.15E-16	3.83E-16	1.16E-15	3.07E-15	6.65E-15	1.40E-14	4.40E-14
2.257E+03	38	9.88E-18	6.28E-17	3.10E-16	1.25E-15	4.46E-15	1.47E-14	4.36E-14	1.06E-13	1.83E-13	3.61E-13	1.49E-12
2.196E+03	37	2.41E-16	1.49E-15	7.11E-15	2.78E-14	1.01E-13	3.47E-13	1.06E-12	2.50E-12	3.08E-12	5.72E-12	3.42E-11
2.135E+03	36	3.29E-15	1.95E-14	8.93E-14	3.37E-13	1.26E-12	4.60E-12	1.47E-11	3.37E-11	3.39E-11	4.68E-11	4.55E-10
2.074E+03	35	3.57E-14	1.99E-13	8.59E-13	3.07E-12	1.20E-11	4.62E-11	1.56E-10	3.75E-10	2.67E-10	2.50E-09	4.65E-09
2.013E+03	34	3.00E-13	1.55E-12	6.06E-12	1.98E-11	8.02E-11	3.02E-10	9.47E-10	2.10E-09	1.42E-09	1.00E-08	1.69E-08
1.952E+03	33	1.84E-12	8.68E-12	3.07E-11	8.86E-11	3.63E-10	1.14E-09	2.96E-09	5.54E-09	3.67E-09	1.61E-08	2.58E-08
1.922E+03	32	5.93E-12	2.59E-11	9.51E-11	3.01E-10	4.65E-10	8.36E-10	1.65E-09	2.74E-09	3.06E-09	6.45E-09	1.87E-08

1.891E+03	31	8.44E-12	3.41E-11	1.29E-10	3.91E-10	6.59E-10	1.40E-09	3.10E-09	4.91E-09	5.05E-09	1.32E-08	3.08E-08
1.861E+03	30	2.71E-12	1.13E-11	4.09E-11	1.70E-10	5.78E-10	1.65E-09	4.14E-09	7.07E-09	8.02E-09	2.04E-08	4.41E-08
1.830E+03	29	5.88E-12	2.43E-11	8.77E-11	2.83E-10	8.37E-10	2.24E-09	5.47E-09	1.08E-08	1.54E-08	3.32E-08	6.03E-08
1.800E+03	28	8.58E-12	3.56E-11	1.29E-10	4.10E-10	1.16E-09	2.99E-09	7.29E-09	1.70E-08	3.51E-08	5.43E-08	8.61E-08
1.769E+03	27	1.42E-11	5.79E-11	2.05E-10	6.27E-10	1.69E-09	4.27E-09	1.03E-08	2.43E-08	5.40E-08	8.71E-08	1.46E-07
1.739E+03	26	2.10E-11	8.39E-11	2.94E-10	8.75E-10	2.26E-09	5.68E-09	1.41E-08	3.45E-08	8.09E-08	1.50E-07	2.79E-07
1.708E+03	25	2.83E-11	1.11E-10	3.86E-10	1.16E-09	2.80E-09	7.28E-09	1.94E-08	5.07E-08	1.27E-07	2.97E-07	6.08E-07
1.678E+03	24	3.62E-11	1.36E-10	4.70E-10	1.61E-09	4.08E-09	1.07E-08	3.04E-08	8.31E-08	2.12E-07	5.10E-07	9.81E-07
1.647E+03	23	4.46E-11	1.51E-10	5.33E-10	2.12E-09	6.05E-09	1.75E-08	5.16E-08	1.41E-07	3.55E-07	8.46E-07	1.55E-06
1.617E+03	22	5.08E-11	1.32E-10	6.02E-10	3.24E-09	1.15E-08	3.56E-08	1.03E-07	2.71E-07	6.54E-07	1.47E-06	2.09E-06
1.586E+03	21	6.66E-11	1.08E-10	1.31E-09	1.56E-08	6.63E-08	2.03E-07	5.44E-07	1.34E-06	3.09E-06	6.78E-06	1.39E-05
1.556E+03	20	8.80E-11	1.90E-10	2.44E-09	1.87E-08	6.76E-08	1.94E-07	4.95E-07	1.17E-06	2.59E-06	5.42E-06	1.07E-05
1.525E+03	19	1.10E-10	1.54E-09	6.77E-09	2.18E-08	6.11E-08	1.55E-07	3.68E-07	8.20E-07	1.73E-06	3.47E-06	6.64E-06
1.495E+03	18	8.15E-11	9.89E-10	4.23E-09	1.35E-08	3.73E-08	9.27E-08	2.12E-07	4.56E-07	9.24E-07	1.78E-06	3.30E-06
1.464E+03	17	5.11E-11	5.64E-10	2.28E-09	7.00E-09	1.85E-08	4.42E-08	9.73E-08	2.00E-07	3.88E-07	7.16E-07	1.27E-06
1.434E+03	16	2.52E-11	2.43E-10	9.03E-10	2.62E-09	6.61E-09	1.51E-08	3.16E-08	6.16E-08	1.13E-07	1.99E-07	3.36E-07
1.403E+03	15	6.62E-12	4.03E-11	1.70E-10	4.99E-10	1.23E-09	2.69E-09	5.36E-09	9.89E-09	1.71E-08	2.83E-08	4.55E-08
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	1.14E-17	4.88E-17	1.53E-16	6.86E-16	2.20E-15	2.83E-15	3.53E-15	4.28E-15	5.08E-15	5.90E-15	1.20E-11
2.501E+03	40	3.58E-15	1.89E-14	6.08E-14	4.43E-13	2.53E-12	1.53E-11	7.17E-11	2.40E-10	6.90E-10	3.68E-09	7.29E-09
2.379E+03	39	3.26E-13	1.74E-12	4.72E-12	3.35E-11	1.53E-10	8.46E-10	3.27E-09	8.60E-09	2.39E-08	8.90E-08	1.43E-07
2.257E+03	38	1.35E-11	6.44E-11	2.16E-10	1.03E-09	3.47E-09	1.84E-08	5.29E-08	9.41E-08	2.51E-07	6.56E-07	8.85E-07
2.196E+03	37	3.13E-10	1.26E-09	5.98E-09	2.39E-08	8.99E-08	1.35E-07	2.03E-07	3.14E-07	5.11E-07	9.05E-07	1.50E-06
2.135E+03	36	3.12E-09	1.23E-08	3.75E-08	1.12E-07	2.93E-07	3.88E-07	5.74E-07	9.18E-07	1.53E-06	2.56E-06	4.21E-06
2.074E+03	35	9.47E-09	2.03E-08	4.37E-08	9.29E-08	2.11E-07	4.49E-07	9.42E-07	1.84E-06	3.37E-06	5.85E-06	9.67E-06
2.013E+03	34	3.24E-08	6.70E-08	1.41E-07	2.91E-07	5.64E-07	1.04E-06	2.20E-06	4.23E-06	7.54E-06	1.28E-05	2.07E-05
1.952E+03	33	5.20E-08	1.14E-07	2.50E-07	5.26E-07	9.00E-07	9.94E-07	4.65E-06	9.42E-06	1.64E-05	2.70E-05	4.31E-05
1.922E+03	32	5.22E-08	1.32E-07	3.09E-07	6.87E-07	1.32E-06	1.83E-06	6.66E-06	1.41E-05	2.62E-05	4.58E-05	7.44E-05
1.891E+03	31	7.28E-08	1.72E-07	3.98E-07	9.14E-07	2.01E-06	4.23E-06	9.43E-06	2.00E-05	3.84E-05	6.79E-05	1.10E-04
1.861E+03	30	9.82E-08	2.27E-07	5.47E-07	1.33E-06	3.08E-06	6.90E-06	1.54E-05	3.26E-05	5.98E-05	1.02E-04	1.65E-04
1.830E+03	29	1.20E-07	2.57E-07	6.60E-07	1.78E-06	4.44E-06	1.04E-05	2.37E-05	4.96E-05	7.93E-05	1.37E-04	2.39E-04
1.800E+03	28	1.70E-07	3.43E-07	8.74E-07	2.54E-06	6.59E-06	1.57E-05	3.60E-05	7.14E-05	8.64E-05	1.94E-04	6.31E-04
1.769E+03	27	2.98E-07	5.77E-07	1.46E-06	4.14E-06	1.06E-05	2.47E-05	5.49E-05	1.07E-04	1.25E-04	2.94E-04	8.67E-04
1.739E+03	26	5.57E-07	9.80E-07	2.30E-06	6.16E-06	1.51E-05	3.34E-05	7.32E-05	1.47E-04	2.65E-04	4.24E-04	6.32E-04
1.708E+03	25	1.03E-06	1.59E-06	3.45E-06	8.42E-06	1.86E-05	4.07E-05	9.09E-05	1.88E-04	3.59E-04	6.31E-04	9.36E-04
1.678E+03	24	1.10E-06	2.05E-06	4.97E-06	1.04E-05	1.92E-05	4.68E-05	1.20E-04	2.69E-04	5.33E-04	9.28E-04	1.01E-03
1.647E+03	23	1.86E-06	4.12E-06	9.90E-06	1.49E-05	1.93E-05	7.85E-05	3.84E-04	1.04E-03	2.26E-03	4.35E-03	7.78E-03
1.617E+03	22	4.40E-06	1.82E-05	4.67E-05	7.01E-05	1.52E-04	3.31E-04	6.83E-04	1.33E-03	2.47E-03	4.34E-03	7.20E-03
1.586E+03	21	1.79E-05	3.32E-05	5.95E-05	7.60E-05	1.30E-04	2.57E-04	5.09E-04	9.56E-04	1.74E-03	3.02E-03	4.95E-03
1.556E+03	20	1.92E-05	3.47E-05	5.77E-05	6.27E-05	7.88E-05	1.44E-04	2.83E-04	5.33E-04	9.73E-04	1.68E-03	2.76E-03
1.525E+03	19	1.21E-05	2.12E-05	3.38E-05	3.48E-05	4.05E-05	7.01E-05	1.35E-04	2.51E-04	4.52E-04	7.78E-04	1.27E-03
1.495E+03	18	5.85E-06	9.93E-06	1.53E-05	1.52E-05	1.67E-05	2.68E-05	4.82E-05	8.65E-05	1.51E-04	2.57E-04	4.22E-04
1.464E+03	17	2.17E-06	3.56E-06	5.28E-06	5.09E-06	5.35E-06	7.72E-06	1.21E-05	2.05E-05	3.44E-05	5.97E-05	1.02E-04
1.434E+03	16	5.52E-07	8.78E-07	1.35E-06	1.91E-06	2.72E-06	3.89E-06	4.14E-06	5.95E-06	7.31E-06	1.16E-05	1.89E-05
1.403E+03	15	7.15E-08	1.10E-07	1.66E-07	2.45E-07	3.55E-07	4.88E-07	4.86E-07	6.54E-07	7.47E-07	1.14E-06	1.83E-06
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	1.95E-10	7.46E-10	2.39E-09	4.75E-09	1.06E-08	1.75E-08	2.33E-08	2.71E-08	5.96E-08	7.53E-08	8.68E-08
2.501E+03	40	1.33E-08	2.31E-08	3.97E-08	8.49E-08	2.03E-07	3.41E-07	4.72E-07	5.45E-07	1.21E-06	1.60E-06	1.82E-06
2.379E+03	39	2.21E-07	3.39E-07	5.36E-07	1.11E-06	2.55E-06	3.99E-06	5.89E-06	6.06E-06	1.23E-05	1.74E-05	2.08E-05
2.257E+03	38	1.24E-06	1.82E-06	2.86E-06	5.94E-06	1.33E-05	1.94E-05	2.61E-05	3.10E-05	6.26E-05	9.60E-05	1.30E-04
2.196E+03	37	2.69E-06	4.32E-06	7.02E-06	1.14E-05	1.88E-05	2.89E-05	4.02E-05	9.99E-05	2.93E-04	4.25E-04	5.63E-04
2.135E+03	36	6.54E-06	9.61E-06	1.61E-05	2.63E-05	4.06E-05	5.95E-05	8.17E-05	1.86E-04	5.57E-04	8.89E-04	1.30E-03

2.074E+03	35	1.38E-05	1.47E-05	3.94E-05	6.69E-05	9.86E-05	1.37E-04	1.85E-04	3.35E-04	9.22E-04	1.84E-03	3.03E-03
2.013E+03	34	2.97E-05	3.50E-05	7.52E-05	1.21E-04	1.77E-04	2.54E-04	3.34E-04	5.63E-04	1.50E-03	3.06E-03	5.78E-03
1.952E+03	33	6.43E-05	9.31E-05	1.38E-04	2.06E-04	2.98E-04	4.66E-04	5.61E-04	6.85E-04	6.86E-03	2.24E-02	2.86E-02
1.922E+03	32	1.07E-04	1.55E-04	2.28E-04	3.45E-04	4.70E-04	7.02E-04	8.22E-04	1.02E-03	1.29E-02	3.90E-02	5.01E-02
1.891E+03	31	1.56E-04	2.15E-04	2.99E-04	4.77E-04	6.04E-04	7.65E-04	7.96E-04	3.49E-03	3.04E-02	5.77E-02	7.03E-02
1.861E+03	30	2.30E-04	2.77E-04	4.68E-04	8.76E-04	1.50E-03	2.50E-03	4.29E-03	1.62E-02	5.63E-02	9.18E-02	1.03E-01
1.830E+03	29	3.38E-04	3.99E-04	7.96E-04	1.42E-03	2.76E-03	4.98E-03	9.14E-03	3.01E-02	9.17E-02	1.41E-01	1.45E-01
1.800E+03	28	9.22E-04	1.82E-03	3.33E-03	6.20E-03	9.71E-03	1.44E-02	2.22E-02	5.55E-02	1.41E-01	1.95E-01	1.81E-01
1.769E+03	27	1.19E-03	1.97E-03	2.71E-03	4.22E-03	6.86E-03	1.10E-02	1.87E-02	5.59E-02	1.65E-01	1.62E-01	1.90E-01
1.739E+03	26	8.79E-04	1.15E-03	1.29E-03	1.60E-03	3.24E-03	6.90E-03	1.47E-02	5.82E-02	2.00E-01	1.97E-01	2.30E-01
1.708E+03	25	1.43E-03	2.02E-03	2.13E-03	2.62E-03	5.91E-03	1.28E-02	2.62E-02	8.96E-02	2.75E-01	2.44E-01	2.70E-01
1.678E+03	24	2.32E-03	6.35E-03	1.01E-02	1.28E-02	2.01E-02	3.27E-02	5.46E-02	1.40E-01	3.53E-01	2.66E-01	2.78E-01
1.647E+03	23	1.25E-02	1.85E-02	2.50E-02	2.80E-02	3.74E-02	5.26E-02	7.77E-02	1.67E-01	3.67E-01	2.35E-01	2.34E-01
1.617E+03	22	1.12E-02	1.63E-02	2.18E-02	2.43E-02	3.22E-02	4.50E-02	6.60E-02	1.40E-01	2.83E-01	1.65E-01	1.60E-01
1.586E+03	21	7.67E-03	1.11E-02	1.48E-02	1.65E-02	2.18E-02	3.05E-02	4.45E-02	9.41E-02	1.07E-01	9.57E-02	9.20E-02
1.556E+03	20	4.29E-03	6.23E-03	8.31E-03	9.24E-03	1.22E-02	1.71E-02	2.49E-02	5.27E-02	5.50E-02	4.88E-02	4.64E-02
1.525E+03	19	1.96E-03	2.86E-03	3.82E-03	4.25E-03	5.63E-03	7.90E-03	1.16E-02	2.49E-02	2.44E-02	2.12E-02	1.98E-02
1.495E+03	18	6.61E-04	9.80E-04	1.33E-03	1.48E-03	1.99E-03	2.82E-03	4.19E-03	9.37E-03	8.63E-03	7.23E-03	6.59E-03
1.464E+03	17	1.64E-04	2.50E-04	3.49E-04	3.96E-04	5.27E-04	7.37E-04	1.12E-03	2.58E-03	2.15E-03	1.74E-03	1.56E-03
1.434E+03	16	2.99E-05	4.55E-05	6.59E-05	8.90E-05	1.19E-04	1.42E-04	2.10E-04	4.53E-04	3.23E-04	2.54E-04	2.30E-04
1.403E+03	15	2.87E-06	4.38E-06	6.41E-06	9.04E-06	1.21E-05	1.43E-05	2.30E-05	4.18E-05	2.57E-05	2.03E-05	2.02E-05
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	1.12E-07	1.59E-07	1.10E-07	1.20E-07	8.70E-08	1.02E-07	1.60E-07	3.02E-07	1.57E-07	1.30E-07	8.40E-08
2.501E+03	40	2.31E-06	2.55E-06	2.49E-06	2.85E-06	2.17E-06	1.67E-06	1.64E-06	2.28E-06	1.85E-06	3.20E-05	2.72E-05
2.379E+03	39	2.19E-05	2.25E-05	2.73E-05	2.45E-05	2.15E-05	1.91E-05	1.57E-05	1.52E-05	1.33E-04	2.64E-04	2.25E-04
2.257E+03	38	1.61E-04	1.84E-04	2.24E-04	1.98E-04	1.79E-04	2.03E-04	2.37E-04	2.31E-04	1.02E-03	1.34E-03	1.08E-03
2.196E+03	37	7.19E-04	8.46E-04	1.08E-03	1.07E-03	1.01E-03	1.08E-03	1.93E-03	3.36E-03	6.98E-03	6.99E-03	5.53E-03
2.135E+03	36	1.87E-03	2.22E-03	2.75E-03	2.76E-03	2.69E-03	3.41E-03	8.51E-03	1.59E-02	2.31E-02	2.09E-02	1.68E-02
2.074E+03	35	4.86E-03	5.57E-03	6.26E-03	6.90E-03	6.99E-03	1.26E-02	3.04E-02	5.14E-02	5.73E-02	4.89E-02	4.02E-02
2.013E+03	34	9.82E-03	1.31E-02	1.70E-02	2.06E-02	2.23E-02	4.29E-02	9.09E-02	1.36E-01	1.65E-01	1.55E-01	1.28E-01
1.952E+03	33	3.29E-02	4.17E-02	5.35E-02	6.28E-02	6.54E-02	1.15E-01	2.16E-01	2.85E-01	2.97E-01	2.75E-01	2.30E-01
1.922E+03	32	6.02E-02	8.74E-02	1.18E-01	1.34E-01	1.34E-01	2.18E-01	3.79E-01	4.57E-01	4.43E-01	3.76E-01	3.20E-01
1.891E+03	31	9.36E-02	1.63E-01	2.14E-01	2.22E-01	2.10E-01	3.21E-01	5.29E-01	6.04E-01	5.53E-01	4.46E-01	3.78E-01
1.861E+03	30	1.29E-01	2.18E-01	2.91E-01	3.00E-01	2.79E-01	4.28E-01	6.92E-01	7.67E-01	6.64E-01	5.64E-01	4.90E-01
1.830E+03	29	1.74E-01	2.82E-01	3.69E-01	3.75E-01	3.47E-01	5.38E-01	8.59E-01	9.05E-01	7.50E-01	5.88E-01	5.30E-01
1.800E+03	28	2.13E-01	3.40E-01	4.28E-01	4.32E-01	4.07E-01	6.55E-01	1.02E+00	1.01E+00	8.23E-01	6.11E-01	5.47E-01
1.769E+03	27	2.36E-01	3.83E-01	4.37E-01	4.62E-01	4.70E-01	7.70E-01	1.15E+00	1.07E+00	9.05E-01	6.67E-01	5.23E-01
1.739E+03	26	2.79E-01	4.21E-01	4.67E-01	4.89E-01	4.91E-01	7.92E-01	1.15E+00	1.03E+00	8.42E-01	6.24E-01	4.73E-01
1.708E+03	25	3.10E-01	4.14E-01	4.69E-01	5.15E-01	4.98E-01	7.80E-01	1.11E+00	9.43E-01	7.23E-01	5.24E-01	3.81E-01
1.678E+03	24	3.01E-01	3.44E-01	4.47E-01	5.55E-01	4.75E-01	7.36E-01	1.02E+00	7.84E-01	5.90E-01	3.92E-01	2.92E-01
1.647E+03	23	2.44E-01	2.61E-01	2.99E-01	3.87E-01	3.31E-01	5.51E-01	7.80E-01	5.78E-01	4.32E-01	2.82E-01	2.10E-01
1.617E+03	22	1.64E-01	1.74E-01	1.89E-01	2.27E-01	1.99E-01	3.70E-01	5.28E-01	3.76E-01	2.79E-01	1.98E-01	1.48E-01
1.586E+03	21	9.40E-02	9.94E-02	1.07E-01	1.25E-01	1.09E-01	1.98E-01	3.04E-01	2.17E-01	1.61E-01	1.16E-01	9.05E-02
1.556E+03	20	4.70E-02	4.93E-02	5.27E-02	5.96E-02	5.14E-02	9.49E-02	1.46E-01	9.97E-02	7.29E-02	5.36E-02	4.24E-02
1.525E+03	19	1.97E-02	2.04E-02	2.21E-02	2.24E-02	1.96E-02	3.90E-02	5.87E-02	3.88E-02	2.83E-02	2.12E-02	1.69E-02
1.495E+03	18	6.45E-03	6.62E-03	7.49E-03	7.27E-03	6.16E-03	1.14E-02	1.76E-02	1.17E-02	8.71E-03	6.87E-03	5.63E-03
1.464E+03	17	1.51E-03	1.54E-03	1.75E-03	1.65E-03	1.36E-03	2.41E-03	3.65E-03	2.40E-03	1.90E-03	1.68E-03	1.48E-03
1.434E+03	16	2.27E-04	2.33E-04	2.58E-04	2.38E-04	1.90E-04	3.09E-04	4.46E-04	2.87E-04	2.39E-04	2.27E-04	2.10E-04
1.403E+03	15	2.14E-05	2.26E-05	2.36E-05	2.03E-05	1.52E-05	2.08E-05	2.61E-05	1.61E-05	1.38E-05	1.41E-05	1.86E-05
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-33	1.58E-06
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-34	2.25E-07
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-36	3.96E-08
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-36	6.64E-09
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-37	1.14E-09
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-38	2.25E-10
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-39	3.90E-11
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-12
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-13
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-15
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-16
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-18
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	7.22E-08	4.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	1.92E-05	1.04E-05	3.62E-06	6.40E-07	1.57E-07	5.16E-08	2.17E-08	1.18E-08	1.04E-08	0.00E+00

2.379E+03	39	1.57E-04	8.96E-05	3.84E-05	1.20E-05	3.88E-06	1.45E-06	6.50E-07	3.70E-07	2.94E-07	0.00E+00
2.257E+03	38	7.35E-04	4.30E-04	2.04E-04	7.81E-05	2.80E-05	1.07E-05	4.74E-06	2.62E-06	2.15E-06	0.00E+00
2.196E+03	37	3.55E-03	1.94E-03	8.90E-04	3.21E-04	1.06E-04	3.81E-05	1.56E-05	7.98E-06	5.48E-06	0.00E+00
2.135E+03	36	1.15E-02	6.75E-03	3.24E-03	1.25E-03	4.19E-04	1.50E-04	5.88E-05	2.78E-05	2.73E-05	0.00E+00
2.074E+03	35	2.94E-02	1.83E-02	9.48E-03	4.09E-03	1.47E-03	5.46E-04	2.13E-04	9.12E-05	5.59E-05	0.00E+00
2.013E+03	34	9.45E-02	5.60E-02	2.94E-02	1.34E-02	5.00E-03	1.91E-03	7.35E-04	2.76E-04	3.64E-04	0.00E+00
1.952E+03	33	1.73E-01	1.09E-01	6.00E-02	2.86E-02	1.10E-02	4.29E-03	1.62E-03	5.31E-04	3.67E-04	0.00E+00
1.922E+03	32	2.46E-01	1.60E-01	9.12E-02	4.48E-02	1.77E-02	7.01E-03	2.57E-03	5.18E-03	1.22E-04	0.00E+00
1.891E+03	31	3.03E-01	2.11E-01	1.30E-01	6.74E-02	2.79E-02	1.15E-02	4.14E-03	5.14E-03	1.21E-04	0.00E+00
1.861E+03	30	3.93E-01	2.79E-01	1.80E-01	9.81E-02	4.29E-02	1.90E-02	1.86E-02	8.94E-12	8.31E-14	0.00E+00
1.830E+03	29	4.50E-01	3.41E-01	2.37E-01	1.36E-01	6.36E-02	3.04E-02	3.00E-02	5.61E-12	7.48E-18	0.00E+00
1.800E+03	28	4.79E-01	3.87E-01	2.96E-01	1.80E-01	9.02E-02	4.63E-02	6.24E-02	8.58E-05	1.89E-08	0.00E+00
1.769E+03	27	4.71E-01	3.96E-01	3.21E-01	2.12E-01	1.18E-01	6.53E-02	6.30E-02	8.61E-05	1.95E-08	0.00E+00
1.739E+03	26	4.36E-01	3.86E-01	3.28E-01	2.33E-01	1.45E-01	8.70E-02	8.69E-02	1.42E-11	2.01E-17	0.00E+00
1.708E+03	25	3.72E-01	3.52E-01	3.12E-01	2.40E-01	1.67E-01	1.09E-01	1.64E-01	1.75E-04	3.45E-08	0.00E+00
1.678E+03	24	2.92E-01	2.95E-01	2.78E-01	2.33E-01	1.83E-01	1.29E-01	1.57E-01	1.77E-04	3.59E-08	0.00E+00
1.647E+03	23	2.20E-01	2.34E-01	2.34E-01	2.13E-01	1.90E-01	1.46E-01	1.48E-01	2.19E-11	2.52E-17	0.00E+00
1.617E+03	22	1.68E-01	1.82E-01	1.89E-01	1.86E-01	1.89E-01	1.58E-01	2.66E-01	2.16E-04	3.83E-08	0.00E+00
1.586E+03	21	1.08E-01	1.30E-01	1.43E-01	1.53E-01	1.81E-01	1.65E-01	2.51E-01	2.19E-04	4.01E-08	0.00E+00
1.556E+03	20	5.75E-02	8.19E-02	9.95E-02	1.19E-01	1.67E-01	1.68E-01	1.75E-01	2.32E-11	1.94E-17	0.00E+00
1.525E+03	19	2.49E-02	4.56E-02	6.32E-02	8.70E-02	1.49E-01	1.66E-01	3.04E-01	1.49E-04	2.26E-08	0.00E+00
1.495E+03	18	8.32E-03	2.26E-02	3.77E-02	6.02E-02	1.29E-01	1.61E-01	2.91E-01	1.52E-04	2.39E-08	0.00E+00
1.464E+03	17	1.59E-03	1.40E-02	2.31E-02	4.03E-02	1.10E-01	1.54E-01	1.82E-01	1.84E-11	6.80E-18	0.00E+00
1.434E+03	16	3.22E-04	7.37E-03	1.35E-02	2.59E-02	9.19E-02	1.41E-01	2.05E-04	3.67E-08	4.16E-12	0.00E+00
1.403E+03	15	6.03E-05	3.44E-03	7.50E-03	1.62E-02	7.56E-02	1.32E-01	2.07E-04	3.85E-08	4.52E-12	0.00E+00
1.373E+03	14	1.07E-05	1.50E-03	4.04E-03	9.87E-03	6.14E-02	6.50E-02	6.94E-12	1.25E-17	1.17E-21	0.00E+00
1.342E+03	13	2.27E-06	5.14E-04	2.39E-03	7.10E-03	5.08E-02	9.24E-02	4.88E-05	7.66E-09	9.12E-13	0.00E+00
1.312E+03	12	6.29E-07	1.76E-04	1.07E-03	5.17E-03	4.43E-02	8.75E-02	5.04E-05	8.17E-09	9.94E-13	0.00E+00
1.281E+03	11	1.51E-07	5.41E-05	3.69E-04	4.08E-03	4.21E-02	4.60E-02	3.95E-12	1.62E-18	1.80E-22	0.00E+00
1.220E+03	10	3.44E-08	1.54E-05	1.19E-04	3.74E-03	3.51E-02	2.43E-02	9.12E-06	2.20E-09	4.28E-13	0.00E+00
1.159E+03	9	8.62E-09	4.89E-06	4.10E-05	2.92E-03	2.76E-02	2.50E-02	9.89E-06	2.38E-09	4.70E-13	0.00E+00
1.098E+03	8	2.26E-09	1.72E-06	1.59E-05	1.99E-03	2.01E-02	2.22E-02	1.67E-12	2.23E-19	3.86E-23	0.00E+00
1.037E+03	7	5.02E-10	6.69E-07	6.92E-06	1.18E-03	1.57E-02	1.42E-02	5.48E-06	1.34E-09	2.65E-13	0.00E+00
9.760E+02	6	1.49E-10	2.98E-07	2.73E-06	4.65E-04	8.77E-03	1.32E-02	6.06E-06	1.49E-09	3.04E-13	0.00E+00
8.540E+02	5	3.13E-11	1.01E-07	8.42E-07	1.03E-04	2.15E-03	6.06E-03	4.76E-06	2.12E-09	7.48E-13	0.00E+00
7.320E+02	4	2.76E-12	2.28E-08	3.10E-07	5.06E-05	1.95E-03	6.22E-03	5.03E-06	2.33E-09	8.47E-13	0.00E+00
5.490E+02	3	1.93E-13	4.17E-09	7.49E-08	2.27E-05	4.32E-03	6.27E-03	5.01E-06	2.34E-09	8.55E-13	0.00E+00
3.050E+02	2	7.91E-15	7.65E-10	2.69E-07	4.23E-05	5.60E-03	5.40E-03	4.06E-06	1.82E-09	6.38E-13	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	56	57	58	59	60	61	62	63	64	65
X =	2.87E+03	2.99E+03	3.11E+03	3.23E+03	3.35E+03	3.48E+03	3.60E+03	3.72E+03	3.84E+03	3.96E+03

--*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 14 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-31	1.53E-28	4.60E-27	6.73E-26
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-29	3.18E-26	9.47E-25	1.37E-23
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-27	2.52E-24	7.39E-23	1.05E-21
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-25	1.10E-22	3.16E-21	4.40E-20
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-24	2.72E-21	7.65E-20	1.04E-18
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-23	3.91E-20	1.06E-18	1.39E-17
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-22	4.67E-19	1.21E-17	1.49E-16
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-21	4.57E-18	1.10E-16	1.25E-15
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-20	3.61E-17	7.71E-16	7.85E-15
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-19	1.69E-16	2.97E-15	2.64E-14
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-19	4.69E-16	6.60E-15	5.06E-14
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-20	9.71E-16	1.05E-14	7.19E-14
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-19	1.63E-15	1.84E-14	1.26E-13
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-18	2.22E-15	2.78E-14	1.96E-13
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-18	3.30E-15	4.19E-14	2.93E-13
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-17	4.90E-15	6.11E-14	4.24E-13
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-17	6.79E-15	8.32E-14	5.69E-13
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-16	9.21E-15	1.10E-13	7.16E-13
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-16	1.17E-14	1.49E-13	8.58E-13
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-16	1.39E-14	2.26E-13	9.92E-13
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-16	1.57E-14	3.93E-13	1.54E-12
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-16	1.53E-14	5.02E-13	1.63E-12
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-16	1.27E-14	4.90E-13	1.69E-12
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-16	1.50E-14	3.33E-13	1.27E-12
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-16	1.10E-14	2.14E-13	8.00E-13
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-16	4.72E-15	9.41E-14	3.56E-13
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-17	1.12E-15	2.40E-14	9.71E-14
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Y	J	I = 1	2	3	4	5	6	7	8	9	10	11
		X = 0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	6.42E-25	4.50E-24	2.48E-23	1.12E-22	4.37E-22	1.52E-21	4.83E-21	1.39E-20	3.57E-20	8.34E-20	1.95E-19
2.501E+03	40	1.29E-22	8.90E-22	4.80E-21	2.13E-20	8.20E-20	2.85E-19	9.04E-19	2.59E-18	6.45E-18	1.48E-17	3.82E-17
2.379E+03	39	9.68E-21	6.51E-20	3.41E-19	1.46E-18	5.49E-18	1.87E-17	5.80E-17	1.58E-16	3.58E-16	7.72E-16	2.24E-15
2.257E+03	38	3.95E-19	2.59E-18	1.32E-17	5.48E-17	2.01E-16	6.80E-16	2.05E-15	5.12E-15	9.37E-15	1.83E-14	6.63E-14
2.196E+03	37	9.05E-18	5.75E-17	2.83E-16	1.14E-15	4.24E-15	1.49E-14	4.60E-14	1.09E-13	1.34E-13	2.43E-13	1.35E-12
2.135E+03	36	1.16E-16	7.09E-16	3.34E-15	1.30E-14	4.95E-14	1.83E-13	5.92E-13	1.35E-12	1.47E-12	1.90E-12	1.92E-11
2.074E+03	35	1.18E-15	6.80E-15	2.98E-14	1.09E-13	4.35E-13	1.71E-12	5.79E-12	1.36E-11	1.75E-11	2.37E-11	4.11E-10
2.013E+03	34	9.25E-15	4.89E-14	1.91E-13	6.29E-13	2.70E-12	1.06E-11	3.43E-11	7.57E-11	9.60E-11	1.34E-10	1.36E-09
1.952E+03	33	5.27E-14	2.54E-13	8.04E-13	2.27E-12	1.28E-11	4.68E-11	1.31E-10	2.63E-10	3.31E-10	5.02E-10	2.37E-09
1.922E+03	32	1.59E-13	7.09E-13	1.02E-12	1.87E-12	4.35E-11	1.26E-10	2.91E-10	5.50E-10	7.59E-10	1.31E-09	3.17E-09
1.891E+03	31	2.78E-13	1.20E-12	2.78E-12	6.85E-12	5.59E-11	1.66E-10	4.09E-10	7.40E-10	8.61E-10	2.06E-09	5.11E-09
1.861E+03	30	3.83E-13	1.70E-12	6.54E-12	2.14E-11	7.19E-11	2.11E-10	5.48E-10	1.06E-09	1.35E-09	3.11E-09	7.14E-09
1.830E+03	29	6.63E-13	2.89E-12	1.09E-11	3.65E-11	1.11E-10	3.06E-10	7.75E-10	1.66E-09	2.55E-09	5.37E-09	1.10E-08
1.800E+03	28	1.04E-12	4.50E-12	1.70E-11	5.62E-11	1.64E-10	4.38E-10	1.10E-09	2.61E-09	5.32E-09	9.52E-09	1.76E-08
1.769E+03	27	1.53E-12	6.50E-12	2.39E-11	7.77E-11	2.17E-10	5.57E-10	1.38E-09	3.33E-09	7.63E-09	1.44E-08	2.80E-08
1.739E+03	26	2.20E-12	9.17E-12	3.35E-11	1.11E-10	2.92E-10	7.28E-10	1.81E-09	4.52E-09	1.09E-08	2.27E-08	4.78E-08
1.708E+03	25	2.93E-12	1.20E-11	4.35E-11	1.67E-10	3.93E-10	9.37E-10	2.40E-09	6.27E-09	1.60E-08	3.90E-08	8.81E-08
1.678E+03	24	3.67E-12	1.44E-11	5.28E-11	2.78E-10	6.47E-10	1.51E-09	4.00E-09	1.08E-08	2.81E-08	6.97E-08	1.57E-07
1.647E+03	23	4.27E-12	1.61E-11	5.58E-11	3.41E-10	8.64E-10	2.19E-09	6.06E-09	1.64E-08	4.22E-08	1.04E-07	2.70E-07
1.617E+03	22	4.52E-12	1.82E-11	5.03E-11	3.54E-10	1.03E-09	2.76E-09	7.59E-09	1.98E-08	4.90E-08	1.22E-07	4.72E-07
1.586E+03	21	6.43E-12	3.27E-11	9.76E-11	3.40E-10	1.30E-09	3.99E-09	1.09E-08	2.75E-08	6.53E-08	1.49E-07	3.31E-07
1.556E+03	20	5.58E-12	4.13E-11	1.61E-10	5.18E-10	1.70E-09	4.93E-09	1.29E-08	3.14E-08	7.14E-08	1.53E-07	3.11E-07
1.525E+03	19	6.12E-12	3.12E-11	1.50E-10	5.08E-10	1.48E-09	3.90E-09	9.52E-09	2.18E-08	4.73E-08	9.76E-08	1.92E-07
1.495E+03	18	5.27E-12	2.27E-11	9.19E-11	3.06E-10	8.80E-10	2.28E-09	5.37E-09	1.19E-08	2.48E-08	4.93E-08	9.43E-08
1.464E+03	17	3.27E-12	1.28E-11	4.81E-11	1.54E-10	4.23E-10	1.05E-09	2.40E-09	5.09E-09	1.02E-08	1.94E-08	3.56E-08
1.434E+03	16	1.54E-12	5.53E-12	1.88E-11	5.61E-11	1.47E-10	3.49E-10	7.57E-10	1.53E-09	2.90E-09	5.26E-09	9.20E-09
1.403E+03	15	4.34E-13	1.35E-12	3.83E-12	1.06E-11	2.65E-11	6.02E-11	1.24E-10	2.38E-10	4.27E-10	7.33E-10	1.22E-09
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Y	J	I = 12	13	14	15	16	17	18	19	20	21	22
		X = 8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	6.34E-19	2.56E-18	8.10E-18	3.29E-17	1.06E-16	1.46E-16	1.95E-16	2.53E-16	3.20E-16	3.96E-16	8.30E-13
2.501E+03	40	1.78E-16	9.02E-16	3.03E-15	1.86E-14	1.07E-13	7.51E-13	3.94E-12	1.42E-11	2.84E-11	6.24E-11	8.16E-10
2.379E+03	39	1.44E-14	7.53E-14	2.13E-13	1.20E-12	5.60E-12	3.97E-11	1.82E-10	5.47E-10	1.07E-09	2.24E-09	1.58E-08
2.257E+03	38	5.41E-13	2.66E-12	8.98E-12	3.18E-11	1.00E-10	8.84E-10	3.40E-09	8.15E-09	1.69E-08	3.33E-08	1.13E-07
2.196E+03	37	1.21E-11	5.27E-11	2.42E-10	4.75E-10	9.54E-10	1.30E-08	3.32E-08	6.50E-08	1.19E-07	2.04E-07	3.55E-07
2.135E+03	36	1.43E-10	5.85E-10	1.85E-09	3.73E-09	7.41E-09	3.75E-08	8.39E-08	1.59E-07	2.88E-07	5.07E-07	8.69E-07
2.074E+03	35	1.33E-09	3.34E-09	7.73E-09	1.71E-08	3.54E-08	7.28E-08	1.53E-07	3.13E-07	6.08E-07	1.12E-06	1.95E-06
2.013E+03	34	3.91E-09	9.12E-09	2.00E-08	4.24E-08	8.38E-08	1.52E-07	3.25E-07	6.85E-07	1.34E-06	2.47E-06	4.29E-06
1.952E+03	33	6.35E-09	1.50E-08	3.39E-08	7.33E-08	1.33E-07	1.71E-07	5.62E-07	1.38E-06	2.81E-06	5.16E-06	8.90E-06
1.922E+03	32	8.04E-09	1.96E-08	4.56E-08	1.03E-07	2.07E-07	3.19E-07	8.90E-07	2.09E-06	4.32E-06	8.11E-06	1.41E-05
1.891E+03	31	1.21E-08	2.76E-08	6.25E-08	1.42E-07	3.18E-07	6.47E-07	1.44E-06	3.14E-06	6.44E-06	1.19E-05	2.02E-05
1.861E+03	30	1.62E-08	3.46E-08	7.62E-08	1.77E-07	4.12E-07	9.43E-07	2.16E-06	4.78E-06	9.94E-06	1.73E-05	2.80E-05
1.830E+03	29	2.50E-08	4.73E-08	9.73E-08	2.28E-07	5.52E-07	1.32E-06	3.07E-06	6.81E-06	1.55E-05	2.29E-05	3.32E-05
1.800E+03	28	4.42E-08	8.01E-08	1.57E-07	3.69E-07	9.05E-07	2.16E-06	5.02E-06	1.09E-05	2.96E-05	3.82E-05	4.92E-05
1.769E+03	27	7.42E-08	1.32E-07	2.56E-07	5.90E-07	1.42E-06	3.28E-06	7.40E-06	1.57E-05	4.04E-05	5.59E-05	8.12E-05
1.739E+03	26	1.25E-07	2.14E-07	3.97E-07	8.69E-07	2.00E-06	4.40E-06	9.65E-06	2.02E-05	4.06E-05	7.66E-05	1.33E-04
1.708E+03	25	1.96E-07	3.17E-07	5.72E-07	1.18E-06	2.57E-06	5.33E-06	1.15E-05	2.44E-05	4.94E-05	9.43E-05	1.80E-04
1.678E+03	24	2.34E-07	3.83E-07	7.44E-07	1.45E-06	3.21E-06	5.78E-06	1.21E-05	2.67E-05	5.70E-05	1.16E-04	3.06E-04
1.647E+03	23	3.61E-07	5.49E-07	1.01E-06	1.62E-06	4.92E-06	7.93E-06	1.49E-05	3.34E-05	7.32E-05	1.50E-04	3.07E-04
1.617E+03	22	5.31E-07	6.98E-07	1.18E-06	1.35E-06	3.37E-06	8.94E-06	2.09E-05	4.43E-05	8.90E-05	1.67E-04	2.97E-04
1.586E+03	21	3.73E-07	7.70E-07	1.47E-06	1.62E-06	2.96E-06	6.78E-06	1.52E-05	3.11E-05	6.16E-05	1.14E-04	2.00E-04
1.556E+03	20	5.54E-07	1.03E-06	1.69E-06	1.55E-06	1.72E-06	3.55E-06	8.08E-06	1.68E-05	3.34E-05	6.19E-05	1.08E-04
1.525E+03	19	3.58E-07	6.43E-07	1.01E-06	8.96E-07	8.74E-07	1.67E-06	3.71E-06	7.61E-06	1.48E-05	2.74E-05	4.79E-05
1.495E+03	18	1.72E-07	2.98E-07	4.49E-07	3.91E-07	3.54E-07	6.11E-07	1.24E-06	2.45E-06	4.61E-06	8.43E-06	1.48E-05
1.464E+03	17	6.25E-08	1.05E-07	1.54E-07	1.34E-07	1.23E-07	1.77E-07	2.88E-07	5.32E-07	9.50E-07	1.80E-06	3.32E-06
1.434E+03	16	1.56E-08	2.55E-08	3.99E-08	5.56E-08	7.91E-08	1.13E-07	1.04E-07	1.54E-07	1.83E-07	3.22E-07	5.90E-07
1.403E+03	15	1.98E-09	3.13E-09	4.86E-09	7.35E-09	1.09E-08	1.48E-08	1.24E-08	1.66E-08	1.77E-08	3.01E-08	5.47E-08
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

9 3 1 2 8 6 2 0 9 4 7

5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

	I =	23	24	25	26	27	28	29	30	31	32	33
	X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03
Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	1.74E-11	6.96E-11	2.05E-10	9.96E-10	3.32E-09	5.17E-09	7.02E-09	8.82E-09	1.46E-08	1.86E-08	2.27E-08
2.501E+03	40	2.44E-09	5.25E-09	9.94E-09	2.30E-08	6.34E-08	9.52E-08	1.29E-07	1.59E-07	2.73E-07	3.76E-07	4.57E-07
2.379E+03	39	3.85E-08	7.19E-08	1.24E-07	2.76E-07	6.92E-07	9.60E-07	1.27E-06	1.44E-06	2.50E-06	3.86E-06	5.12E-06
2.257E+03	38	2.25E-07	3.81E-07	6.33E-07	1.37E-06	3.18E-06	4.13E-06	5.19E-06	6.04E-06	1.14E-05	2.08E-05	3.20E-05
2.196E+03	37	6.00E-07	9.70E-07	1.58E-06	2.60E-06	4.37E-06	6.92E-06	9.98E-06	2.18E-05	7.61E-05	1.10E-04	1.51E-04
2.135E+03	36	1.40E-06	2.08E-06	3.40E-06	5.73E-06	9.33E-06	1.45E-05	2.10E-05	4.45E-05	1.49E-04	2.24E-04	3.26E-04
2.074E+03	35	3.01E-06	3.67E-06	7.11E-06	1.30E-05	2.12E-05	3.25E-05	4.72E-05	9.69E-05	2.66E-04	4.25E-04	6.66E-04
2.013E+03	34	6.70E-06	8.67E-06	1.53E-05	2.55E-05	3.97E-05	6.21E-05	8.77E-05	1.74E-04	4.65E-04	7.24E-04	1.14E-03
1.952E+03	33	1.43E-05	2.18E-05	3.28E-05	4.99E-05	7.34E-05	1.28E-04	1.70E-04	3.20E-04	1.12E-03	1.65E-03	1.71E-03
1.922E+03	32	2.23E-05	3.57E-05	5.36E-05	8.57E-05	1.19E-04	1.90E-04	2.55E-04	4.64E-04	2.18E-03	3.24E-03	3.43E-03
1.891E+03	31	3.13E-05	5.34E-05	7.37E-05	1.33E-04	1.74E-04	2.18E-04	3.45E-04	6.97E-04	3.91E-03	5.31E-03	5.73E-03
1.861E+03	30	4.20E-05	8.67E-05	1.07E-04	2.19E-04	2.68E-04	3.17E-04	4.21E-04	1.72E-03	7.28E-03	9.03E-03	9.55E-03
1.830E+03	29	4.68E-05	1.02E-04	1.33E-04	3.05E-04	3.97E-04	5.00E-04	7.19E-04	3.16E-03	1.18E-02	1.38E-02	1.45E-02
1.800E+03	28	6.04E-05	9.52E-05	1.70E-04	3.13E-04	4.98E-04	7.61E-04	1.24E-03	5.42E-03	1.69E-02	1.82E-02	2.10E-02
1.769E+03	27	1.11E-04	1.69E-04	2.90E-04	3.80E-04	5.02E-04	7.03E-04	1.11E-03	5.37E-03	1.64E-02	1.62E-02	3.27E-02
1.739E+03	26	2.04E-04	3.00E-04	5.78E-04	6.12E-04	6.56E-04	7.84E-04	1.14E-03	5.86E-03	2.02E-02	2.03E-02	4.04E-02
1.708E+03	25	2.67E-04	3.92E-04	8.03E-04	8.40E-04	9.11E-04	1.16E-03	1.81E-03	9.09E-03	2.80E-02	2.70E-02	4.80E-02
1.678E+03	24	3.94E-04	5.11E-04	6.99E-04	8.20E-04	1.16E-03	1.81E-03	3.11E-03	1.39E-02	3.52E-02	3.14E-02	4.94E-02
1.647E+03	23	5.43E-04	8.59E-04	1.22E-03	1.40E-03	1.92E-03	2.82E-03	4.45E-03	1.65E-02	3.55E-02	2.92E-02	4.16E-02
1.617E+03	22	4.92E-04	7.56E-04	1.05E-03	1.19E-03	1.62E-03	2.36E-03	3.69E-03	1.32E-02	2.60E-02	2.08E-02	2.83E-02
1.586E+03	21	3.28E-04	5.01E-04	6.91E-04	7.82E-04	1.06E-03	1.55E-03	2.41E-03	6.45E-03	1.01E-02	1.43E-02	1.73E-02
1.556E+03	20	1.79E-04	2.73E-04	3.76E-04	4.22E-04	5.71E-04	8.37E-04	1.31E-03	3.48E-03	4.24E-03	6.69E-03	8.21E-03
1.525E+03	19	7.87E-05	1.20E-04	1.65E-04	1.84E-04	2.51E-04	3.70E-04	5.82E-04	1.59E-03	1.81E-03	2.80E-03	3.36E-03
1.495E+03	18	2.47E-05	3.86E-05	5.42E-05	6.07E-05	8.38E-05	1.25E-04	2.01E-04	5.72E-04	6.19E-04	9.22E-04	1.08E-03
1.464E+03	17	5.76E-06	9.32E-06	1.35E-05	1.55E-05	2.14E-05	3.14E-05	5.17E-05	1.53E-04	1.53E-04	2.16E-04	2.49E-04
1.434E+03	16	1.01E-06	1.66E-06	2.55E-06	3.58E-06	4.96E-06	6.01E-06	9.52E-06	2.66E-05	2.41E-05	3.18E-05	3.61E-05
1.403E+03	15	9.43E-08	1.56E-07	2.43E-07	3.62E-07	4.99E-07	5.84E-07	9.83E-07	2.64E-06	2.13E-06	2.58E-06	3.02E-06
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

	I =	34	35	36	37	38	39	40	41	42	43	44
	X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03
Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	4.29E-08	4.27E-08	3.77E-08	3.42E-08	3.03E-08	2.77E-08	2.71E-08	5.15E-08	4.99E-08	5.64E-08	4.68E-08
2.501E+03	40	6.44E-07	9.12E-07	8.32E-07	7.44E-07	6.34E-07	5.37E-07	4.93E-07	7.55E-07	8.25E-07	2.59E-05	2.06E-05
2.379E+03	39	5.84E-06	6.38E-06	8.16E-06	8.33E-06	8.11E-06	7.52E-06	6.50E-06	5.71E-06	5.16E-05	2.07E-04	1.65E-04
2.257E+03	38	4.35E-05	5.28E-05	6.87E-05	6.99E-05	6.80E-05	6.96E-05	7.69E-05	7.77E-05	3.04E-04	6.33E-04	5.75E-04
2.196E+03	37	2.02E-04	2.49E-04	3.37E-04	3.63E-04	3.69E-04	3.94E-04	7.08E-04	1.25E-03	2.60E-03	3.47E-03	3.02E-03
2.135E+03	36	4.96E-04	6.38E-04	8.52E-04	9.39E-04	9.78E-04	1.23E-03	3.79E-03	6.77E-03	1.04E-02	1.13E-02	9.68E-03
2.074E+03	35	1.22E-03	1.61E-03	1.99E-03	2.35E-03	2.53E-03	4.04E-03	1.39E-02	2.27E-02	3.02E-02	2.87E-02	2.45E-02
2.013E+03	34	2.30E-03	3.52E-03	5.09E-03	6.78E-03	7.83E-03	1.33E-02	3.90E-02	5.65E-02	6.65E-02	6.63E-02	6.33E-02
1.952E+03	33	4.96E-03	9.25E-03	1.45E-02	1.96E-02	2.24E-02	3.59E-02	8.77E-02	1.13E-01	1.22E-01	1.21E-01	1.16E-01
1.922E+03	32	9.62E-03	1.93E-02	3.09E-02	4.07E-02	4.49E-02	6.85E-02	1.46E-01	1.73E-01	1.76E-01	1.70E-01	1.65E-01
1.891E+03	31	1.54E-02	3.30E-02	5.13E-02	6.39E-02	6.75E-02	9.93E-02	1.94E-01	2.17E-01	2.13E-01	2.03E-01	1.97E-01
1.861E+03	30	2.23E-02	4.44E-02	6.84E-02	8.41E-02	8.76E-02	1.29E-01	2.42E-01	2.60E-01	2.46E-01	2.28E-01	2.34E-01
1.830E+03	29	3.09E-02	5.78E-02	8.61E-02	1.04E-01	1.07E-01	1.58E-01	2.87E-01	2.96E-01	2.71E-01	2.39E-01	2.50E-01
1.800E+03	28	4.05E-02	7.12E-02	1.01E-01	1.19E-01	1.23E-01	1.85E-01	3.24E-01	3.19E-01	2.83E-01	2.35E-01	2.49E-01
1.769E+03	27	5.18E-02	8.36E-02	1.09E-01	1.29E-01	1.35E-01	2.07E-01	3.46E-01	3.24E-01	2.82E-01	2.31E-01	2.16E-01
1.739E+03	26	6.13E-02	9.26E-02	1.17E-01	1.36E-01	1.40E-01	2.13E-01	3.39E-01	3.04E-01	2.55E-01	2.11E-01	1.92E-01
1.708E+03	25	6.77E-02	9.29E-02	1.15E-01	1.36E-01	1.38E-01	2.11E-01	3.11E-01	2.66E-01	2.13E-01	1.73E-01	1.54E-01
1.678E+03	24	6.50E-02	8.04E-02	1.02E-01	1.27E-01	1.23E-01	2.03E-01	2.62E-01	2.08E-01	1.65E-01	1.29E-01	1.15E-01
1.647E+03	23	5.18E-02	6.10E-02	7.15E-02	8.73E-02	8.35E-02	1.47E-01	1.95E-01	1.48E-01	1.16E-01	8.87E-02	7.44E-02
1.617E+03	22	3.43E-02	3.95E-02	4.50E-02	5.24E-02	4.99E-02	9.53E-02	1.26E-01	9.25E-02	7.13E-02	5.60E-02	4.64E-02
1.586E+03	21	1.98E-02	2.23E-02	2.49E-02	2.85E-02	2.68E-02	5.01E-02	6.91E-02	5.00E-02	3.85E-02	3.07E-02	2.65E-02
1.556E+03	20	9.42E-03	1.06E-02	1.18E-02	1.32E-02	1.23E-02	2.35E-02	3.20E-02	2.27E-02	1.73E-02	1.39E-02	1.22E-02
1.525E+03	19	3.80E-03	4.22E-03	4.71E-03	5.05E-03	4.65E-03	9.46E-03	1.26E-02	8.63E-03	6.57E-03	5.37E-03	4.74E-03
1.495E+03	18	1.20E-03	1.32E-03	1.50E-03	1.58E-03	1.44E-03	2.77E-03	3.68E-03	2.50E-03	1.94E-03	1.64E-03	1.48E-03
1.464E+03	17	2.73E-04	2.98E-04	3.39E-04	3.51E-04	3.12E-04	5.80E-04	7.50E-04	5.05E-04	4.10E-04	3.83E-04	3.73E-04
1.434E+03	16	3.98E-05	4.38E-05	4.97E-05	5.04E-05	4.37E-05	7.61E-05	9.25E-05	6.16E-05	5.22E-05	5.18E-05	5.25E-05
1.403E+03	15	3.49E-06	4.00E-06	4.50E-06	4.37E-06	3.62E-06	5.48E-06	5.81E-06	3.78E-06	3.28E-06	3.43E-06	5.02E-06
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-34	4.65E-07
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-35	7.01E-08
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-36	1.45E-08
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-37	2.82E-09
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-38	5.45E-10
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-38	1.17E-10
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-39	2.15E-11

1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-12
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-13
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-15
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-16
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-18
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I = 45 46 47 48 49 50 51 52 53 54 55
X = 1.95E+03 2.01E+03 2.07E+03 2.13E+03 2.20E+03 2.26E+03 2.32E+03 2.38E+03 2.50E+03 2.62E+03 2.74E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	4.19E-08	2.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	1.41E-05	7.42E-06	2.48E-06	4.31E-07	1.03E-07	3.34E-08	1.38E-08	7.44E-09	6.50E-09	0.00E+00	
2.379E+03	39	1.13E-04	6.25E-05	2.60E-05	7.95E-06	2.52E-06	9.26E-07	4.10E-07	2.30E-07	1.82E-07	0.00E+00	
2.257E+03	38	4.24E-04	2.57E-04	1.24E-04	4.77E-05	1.71E-05	6.55E-06	2.88E-06	1.58E-06	1.30E-06	0.00E+00	
2.196E+03	37	2.07E-03	1.16E-03	5.38E-04	1.96E-04	6.50E-05	2.32E-05	9.49E-06	4.81E-06	3.29E-06	0.00E+00	
2.135E+03	36	6.93E-03	4.13E-03	2.00E-03	7.71E-04	2.59E-04	9.21E-05	3.59E-05	1.69E-05	1.66E-05	0.00E+00	
2.074E+03	35	1.83E-02	1.15E-02	5.95E-03	2.53E-03	9.06E-04	3.35E-04	1.30E-04	5.52E-05	3.36E-05	0.00E+00	
2.013E+03	34	5.12E-02	3.24E-02	1.77E-02	8.05E-03	3.02E-03	1.15E-03	4.42E-04	1.66E-04	2.19E-04	0.00E+00	
1.952E+03	33	9.46E-02	6.25E-02	3.55E-02	1.69E-02	6.57E-03	2.55E-03	9.59E-04	3.13E-04	2.20E-04	0.00E+00	
1.922E+03	32	1.36E-01	9.21E-02	5.37E-02	2.63E-02	1.04E-02	4.11E-03	1.50E-03	3.12E-03	7.24E-05	0.00E+00	
1.891E+03	31	1.69E-01	1.23E-01	7.65E-02	3.94E-02	1.63E-02	6.69E-03	2.40E-03	3.09E-03	7.16E-05	0.00E+00	
1.861E+03	30	2.08E-01	1.57E-01	1.04E-01	5.68E-02	2.48E-02	1.10E-02	1.07E-02	5.54E-12	5.00E-14	0.00E+00	
1.830E+03	29	2.33E-01	1.87E-01	1.34E-01	7.75E-02	3.63E-02	1.73E-02	1.71E-02	3.49E-12	4.41E-18	0.00E+00	
1.800E+03	28	2.42E-01	2.08E-01	1.63E-01	1.00E-01	5.07E-02	2.60E-02	3.58E-02	5.05E-05	1.10E-08	0.00E+00	
1.769E+03	27	2.28E-01	2.10E-01	1.78E-01	1.18E-01	6.60E-02	3.64E-02	3.58E-02	5.06E-05	1.14E-08	0.00E+00	
1.739E+03	26	2.08E-01	2.03E-01	1.81E-01	1.31E-01	8.06E-02	4.81E-02	4.82E-02	8.66E-12	1.18E-17	0.00E+00	
1.708E+03	25	1.77E-01	1.85E-01	1.73E-01	1.35E-01	9.26E-02	5.99E-02	9.20E-02	1.01E-04	1.99E-08	0.00E+00	
1.678E+03	24	1.38E-01	1.55E-01	1.55E-01	1.31E-01	1.01E-01	7.03E-02	8.77E-02	1.02E-04	2.07E-08	0.00E+00	
1.647E+03	23	9.92E-02	1.21E-01	1.30E-01	1.20E-01	1.04E-01	7.89E-02	8.02E-02	1.31E-11	1.46E-17	0.00E+00	
1.617E+03	22	6.18E-02	8.78E-02	1.03E-01	1.04E-01	1.02E-01	8.48E-02	1.47E-01	1.23E-04	2.17E-08	0.00E+00	
1.586E+03	21	3.51E-02	5.91E-02	7.56E-02	8.48E-02	9.67E-02	8.76E-02	1.38E-01	1.24E-04	2.27E-08	0.00E+00	
1.556E+03	20	1.69E-02	3.60E-02	5.17E-02	6.53E-02	8.79E-02	8.80E-02	9.16E-02	1.35E-11	1.10E-17	0.00E+00	
1.525E+03	19	6.82E-03	1.99E-02	3.28E-02	4.75E-02	7.72E-02	8.61E-02	1.65E-01	8.24E-05	1.25E-08	0.00E+00	
1.495E+03	18	2.24E-03	9.99E-03	1.96E-02	3.28E-02	6.60E-02	8.27E-02	1.57E-01	8.44E-05	1.32E-08	0.00E+00	
1.464E+03	17	4.97E-04	4.53E-03	1.13E-02	2.18E-02	5.51E-02	7.81E-02	9.31E-02	1.04E-11	3.82E-18	0.00E+00	
1.434E+03	16	9.82E-05	1.91E-03	6.33E-03	1.39E-02	4.52E-02	7.10E-02	1.11E-04	2.00E-08	2.28E-12	0.00E+00	
1.403E+03	15	1.73E-05	7.67E-04	3.44E-03	8.63E-03	3.65E-02	6.57E-02	1.11E-04	2.10E-08	2.47E-12	0.00E+00	
1.373E+03	14	3.11E-06	3.19E-04	1.93E-03	5.28E-03	2.91E-02	3.06E-02	3.64E-12	6.84E-18	6.40E-22	0.00E+00	
1.342E+03	13	6.73E-07	1.11E-04	1.01E-03	3.21E-03	2.35E-02	4.44E-02	2.40E-05	3.81E-09	4.54E-13	0.00E+00	
1.312E+03	12	1.88E-07	4.31E-05	5.16E-04	1.91E-03	1.98E-02	4.19E-02	2.48E-05	4.05E-09	4.94E-13	0.00E+00	
1.281E+03	11	4.67E-08	1.44E-05	2.13E-04	1.05E-03	1.71E-02	1.90E-02	1.81E-12	8.18E-19	9.10E-23	0.00E+00	
1.220E+03	10	1.11E-08	4.44E-06	7.39E-05	7.21E-04	1.34E-02	1.15E-02	4.55E-06	1.13E-09	2.25E-13	0.00E+00	
1.159E+03	9	2.86E-09	1.52E-06	2.80E-05	5.21E-04	1.03E-02	1.14E-02	4.93E-06	1.23E-09	2.47E-13	0.00E+00	
1.098E+03	8	7.62E-10	5.67E-07	1.12E-05	3.99E-04	8.14E-03	8.96E-03	7.18E-13	9.68E-20	1.70E-23	0.00E+00	
1.037E+03	7	1.84E-10	2.29E-07	4.89E-06	2.48E-04	5.61E-03	4.06E-03	1.56E-06	3.83E-10	7.63E-14	0.00E+00	
9.760E+02	6	7.79E-11	1.46E-07	1.91E-06	1.20E-04	3.22E-03	3.82E-03	1.72E-06	4.27E-10	8.76E-14	0.00E+00	
8.540E+02	5	1.84E-11	8.17E-08	6.71E-07	4.57E-05	1.43E-03	2.25E-03	2.12E-06	9.51E-10	3.37E-13	0.00E+00	
7.320E+02	4	1.74E-12	2.33E-08	2.83E-07	2.44E-05	9.43E-04	2.37E-03	2.22E-06	1.05E-09	3.82E-13	0.00E+00	
5.490E+02	3	1.28E-13	3.96E-09	6.09E-08	9.01E-06	1.70E-03	2.72E-03	2.35E-06	1.12E-09	4.10E-13	0.00E+00	
3.050E+02	2	6.25E-15	6.66E-10	9.39E-08	1.51E-05	2.30E-03	2.50E-03	1.98E-06	8.96E-10	3.17E-13	0.00E+00	
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

I = 56 57 58 59 60 61 62 63 64 65
X = 2.87E+03 2.99E+03 3.11E+03 3.23E+03 3.35E+03 3.48E+03 3.60E+03 3.72E+03 3.84E+03 3.96E+03

--*-*-*-*-*-*-*-*-*- C - SPECIES CONCENTRATION..... FOR PLANE K = 15 AT STEP 6601, TIME= 1.6223E+04 -*-*-*-*-*-*-*-*-*-*-*

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	1	2	3	4	5	6	7	8	9	10	11
X =	0.00E+00	1.83E+02	3.66E+02	4.88E+02	5.49E+02	6.10E+02	6.71E+02	7.02E+02	7.32E+02	7.63E+02	7.93E+02

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	12	13	14	15	16	17	18	19	20	21	22
X =	8.24E+02	8.54E+02	8.85E+02	9.15E+02	9.46E+02	9.76E+02	1.01E+03	1.04E+03	1.07E+03	1.10E+03	1.13E+03

Y	J											
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	23	24	25	26	27	28	29	30	31	32	33
X =	1.16E+03	1.19E+03	1.22E+03	1.25E+03	1.28E+03	1.31E+03	1.34E+03	1.37E+03	1.40E+03	1.43E+03	1.46E+03

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	34	35	36	37	38	39	40	41	42	43	44
X =	1.49E+03	1.52E+03	1.56E+03	1.59E+03	1.62E+03	1.65E+03	1.68E+03	1.71E+03	1.77E+03	1.83E+03	1.89E+03

Y	J												
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.490E+02	3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.000E+00	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

I =	45	46	47	48	49	50	51	52	53	54	55
X =	1.95E+03	2.01E+03	2.07E+03	2.13E+03	2.20E+03	2.26E+03	2.32E+03	2.38E+03	2.50E+03	2.62E+03	2.74E+03

Y	J										
2.928E+03	42	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.684E+03	41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.501E+03	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.379E+03	39	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.257E+03	38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.196E+03	37	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.135E+03	36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.074E+03	35	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.013E+03	34	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.952E+03	33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.922E+03	32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.891E+03	31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.861E+03	30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.830E+03	29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.800E+03	28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.769E+03	27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.739E+03	26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.708E+03	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.678E+03	24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.647E+03	23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.617E+03	22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.586E+03	21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.556E+03	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.525E+03	19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.495E+03	18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.464E+03	17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.434E+03	16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.403E+03	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.373E+03	14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.342E+03	13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.312E+03	12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.281E+03	11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.220E+03	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.159E+03	9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.098E+03	8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.037E+03	7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.760E+02	6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.540E+02	5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.320E+02	4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3.050E+02	2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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---> STEP NUMBER AT WHICH GENERATED: 6601

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1100-EM-1 Groundwater Model

SYMBOL	NAME	MIN. VALUE	MAX. VALUE	SCALE
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  2  C( 24, 19, 10)   0.000E+00  1.206E+02
  3  C( 36, 21, 10)   0.000E+00  5.863E+01
  4  C( 10, 17, 11)   0.000E+00  9.455E+02
     ALL Y-AXES       0.000E+00  9.455E+02  2.000E+02

NOTES: 1. ACTUAL VALUE = MIN. VALUE + PRINTED VALUE * SCALE
       2. SCALE IS IN UNITS PER INCH

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Tri-City Herald

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APPENDIX J

LAND USE

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1.0 INTRODUCTION

The land within the boundary of the 1100-EM-1 Operable Unit is currently used for industrial-related purposes and forms the center of a larger industrial complex (the Tri-Cities Science and Technology Park). The land use and facility planning process that the Department of Energy (DOE) undertakes at Hanford has identified a continuing and long-range industrial use for the land within the 1100-EM-1 Operable Unit. This planning process is detailed and systematic, as described in the subsequent sections, and may be relied upon as accurately reflecting the use of the land for the next 20 years. The planning by DOE is consistent with the long-range planning by the local governments, as described in the following sections. In the event that DOE surpluses the property, the land use would remain industrial because of its location within a much larger industrial area.

2.0 DESCRIPTION OF 1100-EM-1 AND ADJACENT LAND

The land within the 1100-EM-1 Operable Unit is used for vehicle maintenance and warehouse activities. The majority of the land is undeveloped. Immediately to the east of the 1100-EM-1 are the Battelle Pacific Northwest Laboratory office complex, Kaiser offices, lay-down yard and staging areas (part of the DOE 3000 Area), and several office buildings (principally used by Westinghouse Hanford Company). Farther to the east is a well-established development with numerous professional, research, utility, and manufacturing firms including offices for the Port of Benton, Washington Public Power Supply System, and Westinghouse Hanford Company. To the west of the 1100-EM-1 Operable Unit is an area of mixed types of industrial and commercial uses which includes light industrial, commercial, the Richland Airport, Siemens Power Corporation (reactor fuel rod fabrication facility), and the Richland sanitary landfill. The adjacent property to the east and west has significant areas of vacant or undeveloped land. The Hanford Reservation extends from the 1100 Area to the north. The south tip of the 1100 Area touches on the boundary of a residential area.

3.0 SITE DEVELOPMENT PLANNING PROCESS

3.1 GENERAL

The ultimate disposition of land in the 1100-EM-1 Operable Unit will depend upon the results of a Hanford Remedial Action Environmental Impact Statement. The completion of this process is not anticipated until the year 1995. In this report, the available data from the City of Richland and DOE's Hanford planning functions will be used to assess future land use because information from the Hanford Remedial Action Environmental Impact Statement is not yet available. Land use and future development of sites within Hanford are controlled through a systematic process that considers the needs for Pacific Northwest Laboratory, Kaiser Engineers Hanford, and Hanford Environmental Health Foundation. It also considers the needs of all work activities such as cleanup, solid and liquid waste disposal, waste processing, research and development, transportation, and utilities. Facility and utility location is coordinated with the Hanford Site Selection Review Team (also see appendix O). State and local agency development plans are an integral part of the land

use development. Key agencies consulted in the plan development include the Benton-Franklin Governmental Conference, the Washington State Department of Transportation, the Port of Benton, the City of Richland, and Benton and Franklin Counties. Because of its adjoining property and ongoing planning activities for these areas, the City of Richland has played an especially important role in the planning for the 1100 Area.

3.2 HANFORD SITE DEVELOPMENT PLANNING

Physical development at the Hanford Site is guided by area development plans. These plans address the present conditions, projected activities for the next 5 years, and future vision for the next 20 years at Hanford. These development plans are updated annually to reflect changing land use, developmental conditions, and new concepts. Planning for the 300 Area is guided by the *Draft Hanford 300 Area Development Plan*, DOE/RL-91-09 (DOE-RL, 1991), which contains specific details of future facility development of the 300 Area. Site planning in this document includes the area downgradient from Horn Rapids Landfill. Land use plans for the Horn Rapids Landfill and 1100 Area west of Stevens Drive are described in the *Draft Hanford Site Development Plan*, DOE/RL-92-20 (DOE-RL, 1992). This document shows the planned use of these areas. A development plan is being written to address detailed plans for the 1100 Area east of Stevens Drive. This plan is scheduled to be submitted to DOE for review in December 1992.

Presently, land use plans are developed by the Westinghouse Hanford Site Planning Group with review and approvals from Westinghouse Hanford Company, Pacific Northwest Laboratory, Kaiser Engineers Hanford, Hanford Environmental Health Foundation and the RL Site Infrastructure Division in accordance with DOE Order 4320.1B, Site Development Planning. Site-selection activities (location of development) are coordinated through the Hanford Site Selection Review Team, which is composed of representatives from each Hanford site contractor and from a number of departments within the operating contractor's organization. The development and administration of these activities is performed by the Westinghouse Hanford Site Planning Group under the jurisdiction of the RL Site Infrastructure Division.

3.3 STATE AND LOCAL AGENCY PLANNING

Several City of Richland planning activities involve planning for the areas adjacent to the 300 and 1100 Areas. These activities include participation in the Tri-Cities Science and Technology Park, zoning and conceptual planning, and implementation of the Washington State Growth Management Act. Land use planning for these adjacent areas is important in the evaluation of land use at Hanford because it shows the 1100 Area as located within a larger industrial area. Also, in the event that DOE surpluses property in the 1100 Area, the land use would continue to be industrial in accordance with the use of adjacent property.

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4.0 PRESENT AND FUTURE LAND USE

4.1 HANFORD 300 AREA DEVELOPMENT PLAN

4.1.1 Existing Missions and Land Use

Future land use of the 300 Area is based, to a significant degree, upon present land use and mission. The area considered in this planning includes the south part of the 300 Area which is the area directly downgradient of the Horn Rapids Landfill. Presently, the 300 Area is integral to two primary missions (DOE/RL, 1991):

- To clean up the Hanford Site, eliminate potential risks to the public, and serve as the DOE's model in environmental restoration.
- To provide facilities for research, development, demonstration, testing, and evaluation to support the following:
  - Hanford Site environmental restoration and waste management programs.
  - National environmental restoration and waste management programs.
  - Molecular programs on waste and ecological processes.
  - Environmental programs on subsurface and global processes.
  - National energy strategy programs on energy efficiency.
  - Fluid dynamics programs.
  - Space power and transmission programs.

All of the current uses are consistent with industrial land use.

4.1.2 Five-Year Projects

Projects that will require construction of a new facility or significantly affect land use development in the 300 Area during the next 5 years consist of the following (DOE/RL, 1991):

- Research and Development of Office of Environmental Restoration and Waste Management Projects.
- Research and Development of Programmatic Projects.
- Research and Development of Multiprogram Energy Laboratories-Facilities Support Projects.

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- Landlord Program Projects.
- Solid and Liquid Waste Remediation Projects.

A detailed list of 300 Area projects is provided in the *Draft Hanford 300 Area Development Plan*, DOE/RL-91-09 (DOE-RL, 1991). All 5-year projects are consistent with industrial land use.

4.1.3 Long-Range Projects

The long-range projects identified in the *Draft Hanford 300 Area Development Plan* have varying degrees of probability and programmatic clarity. The listing of a project does not mean or imply that it has or will have the approval of the DOE or a DOE contractor. The following list of speculative projects is only for envisioning the long-range development in the 300 Area (DOE-RL, 1991):

- Engineering Test Laboratory.
- Environmental Research Laboratory.
- Special Analysis Facility.
- Waste Systems Performance Analysis Center.
- George Washington Way Road Improvements.
- Advanced Reactor Development Laboratory.
- Space Power Generator Development.
- Q Avenue Road Extension.
- East-West Road Creation.
- Material Sciences and Thin Film Membranes.
- Chemical Sciences Laboratory.
- Isotope Production and Packaging Facility.
- Port of Benton Boulevard Extension.

Facility location and associated transportation development is shown on figure J-1. All long-range land use of the 300 Area is consistent with industrial use.

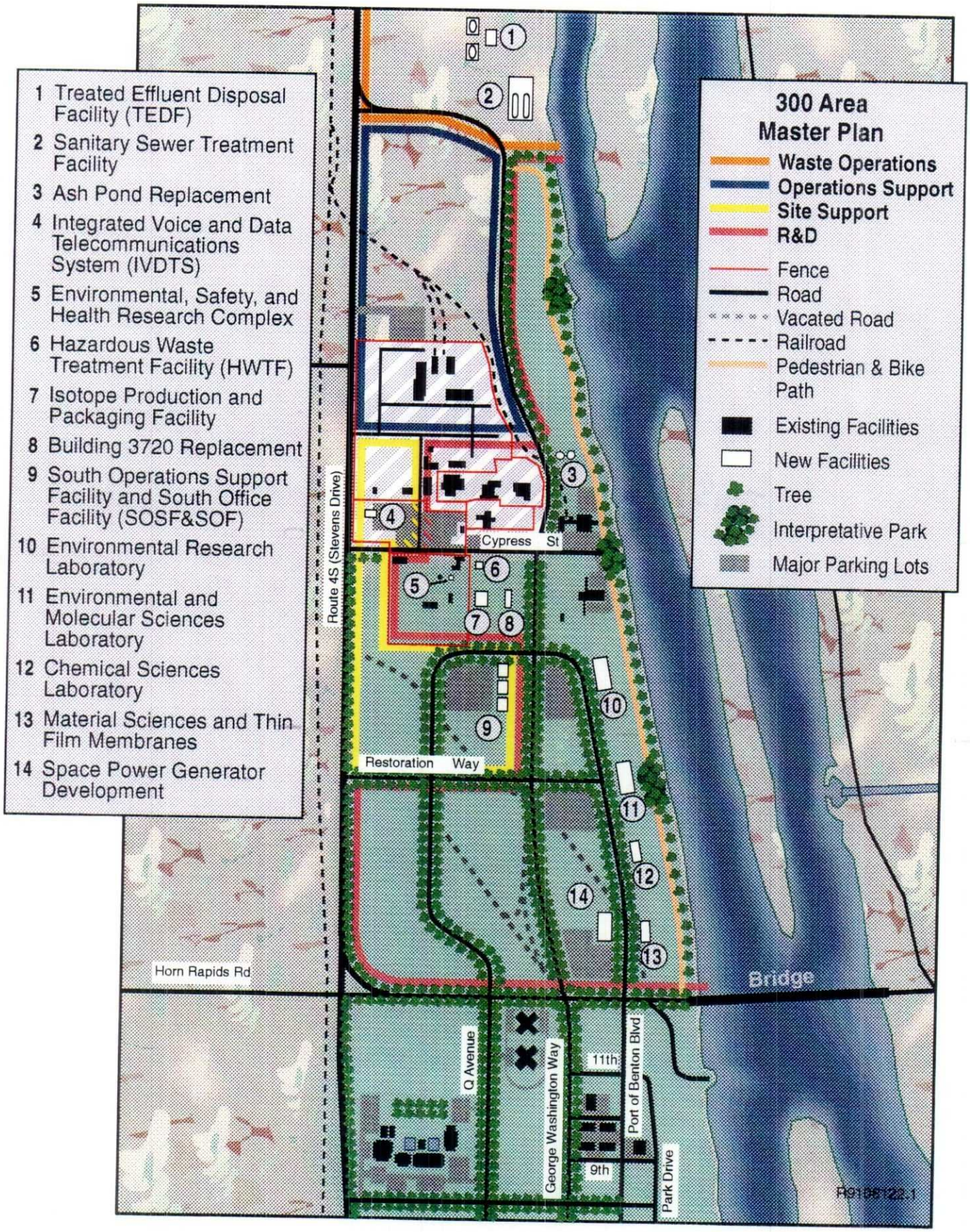

Figure J-1. 300 Area Master Plan

4.2 HANFORD 600 AREA DEVELOPMENT PLAN

The 600 Area, for site planning purposes, included the Horn Rapids Landfill area. Future use of the Horn Rapids Landfill is anticipated to be for research and development (DOE-RL, 1992) and is consistent with industrial use (figure J-2).

4.3 DRAFT 1100 AREA SITE DEVELOPMENT PLAN

The 1100 Area is defined, for site planning purposes, as the area south of Horn Rapids Road and west of Stevens Drive. It presently serves as an industrial area for shipping, receiving, and vehicle maintenance activities. The long-range vision for this area is an operations support (industrial) use (figure J-2). Long-range operations are anticipated to be industrial in nature.

The site development plan for the 1100 Area is in progress and is scheduled for DOE review in December 1992. Work to date on this plan indicates that the present, 5-year, and future use of this land will be industrial. Assembly of a list of the construction projects to be initiated during the next 5 years is at a preliminary stage, but includes the following for the 1100 Area:

- Power supply substation for the Environmental and Molecular Sciences Laboratory.
- Repairing of roadways.
- Demolition 1166 building.
- Modernization of bus lot.
- Bus sweep rack (cleaning facility).
- Upgrade railroad tracks.

The list of long-range construction projects is incomplete at this time, but includes the following:

- Connection with City of Richland street extensions (figure J-3).
- Traffic light installation for City of Richland street extensions.

The present bus and warehouse activities are anticipated to continue into the future and will continue to determine DOE's industrial use of the 1100 Area.

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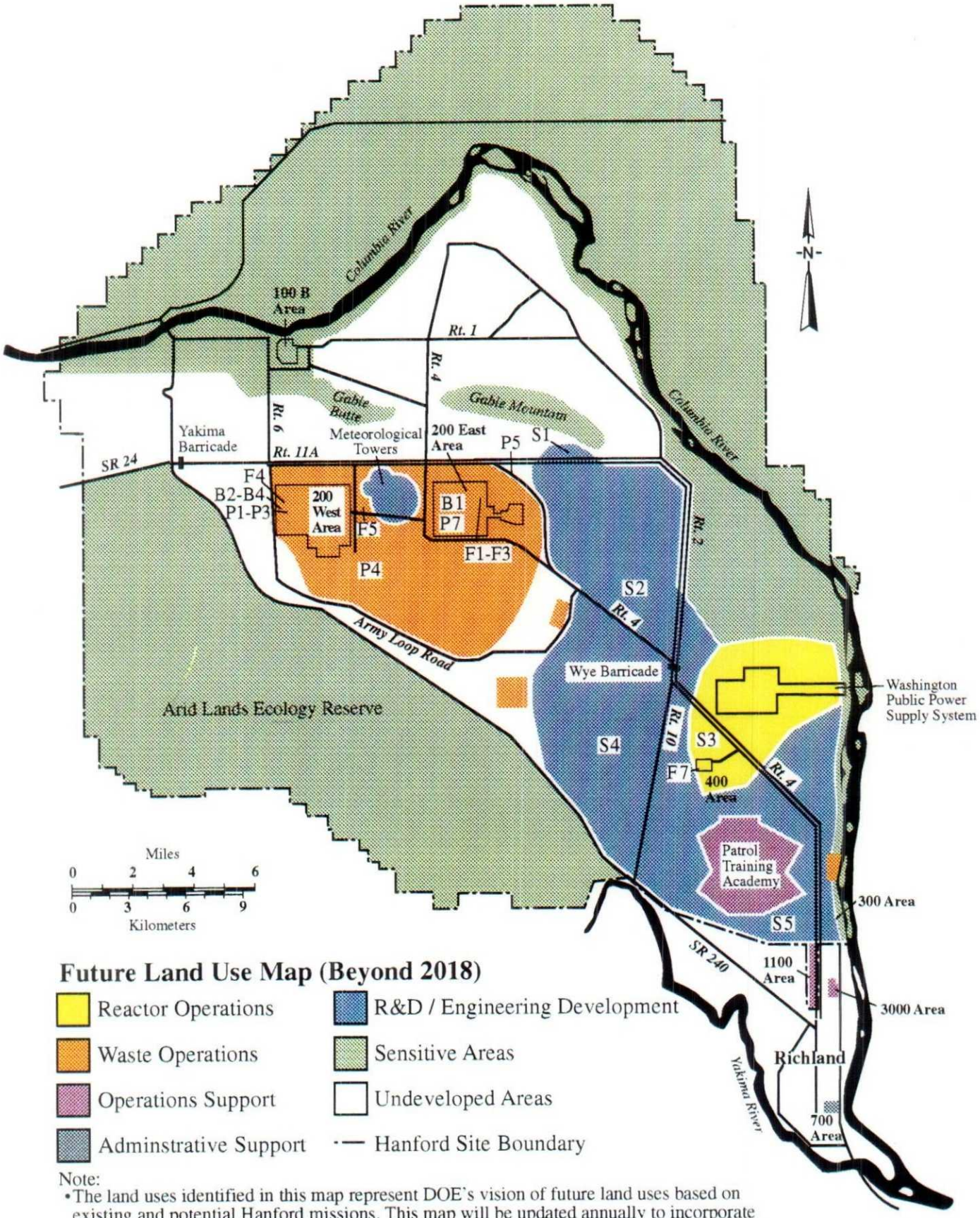

Note:
- The land uses identified in this map represent DOE's vision of future land uses based on existing and potential Hanford missions. This map will be updated annually to incorporate decisions made by the Hanford Remedial Action Environmental Impact Statement, other NEPA or regulatory decision documents, mission changes, and other sources as appropriate.

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Figure J-2. Draft Hanford Site Development Plan

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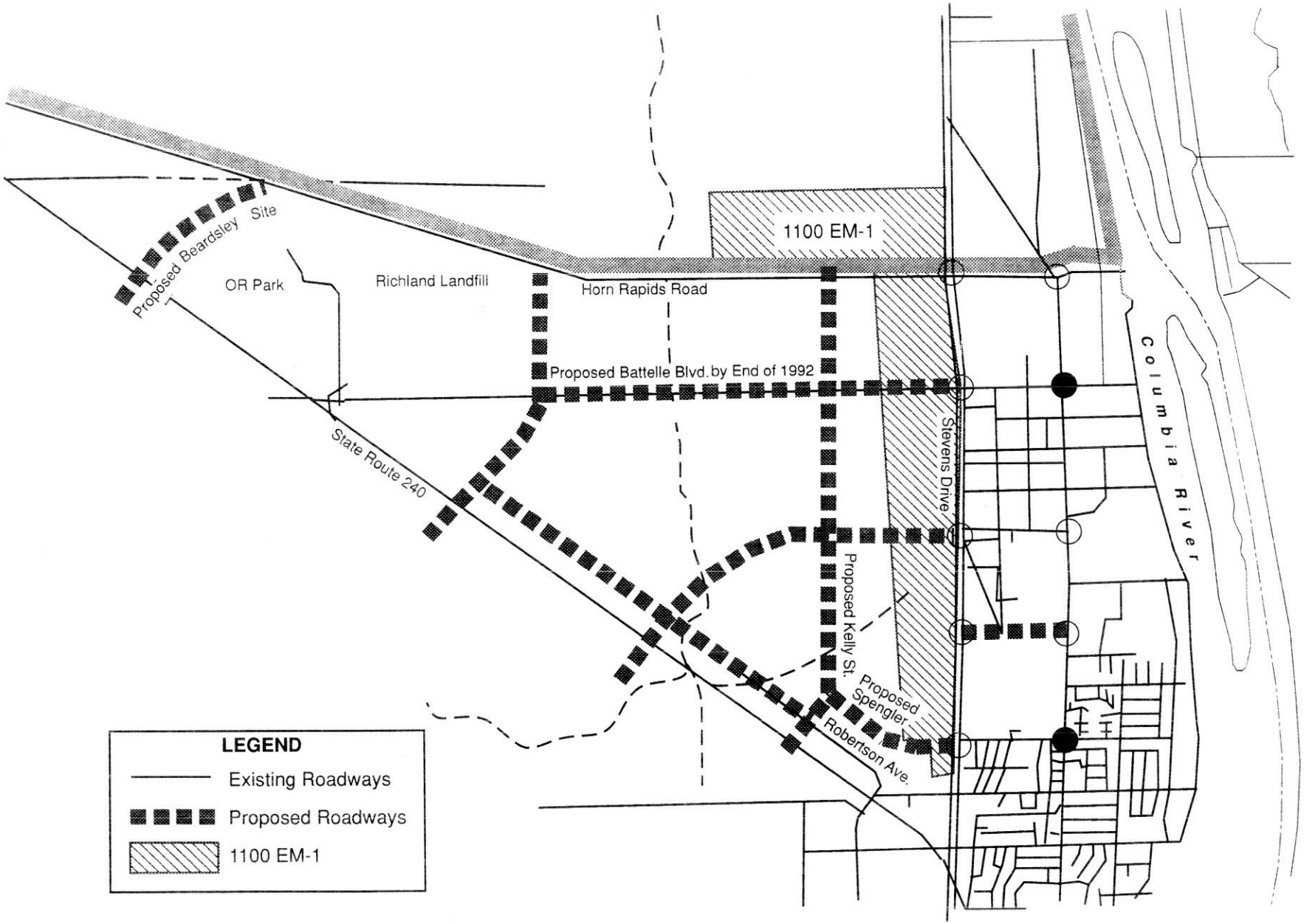

Figure J-3. City of Richland Street Extension Map

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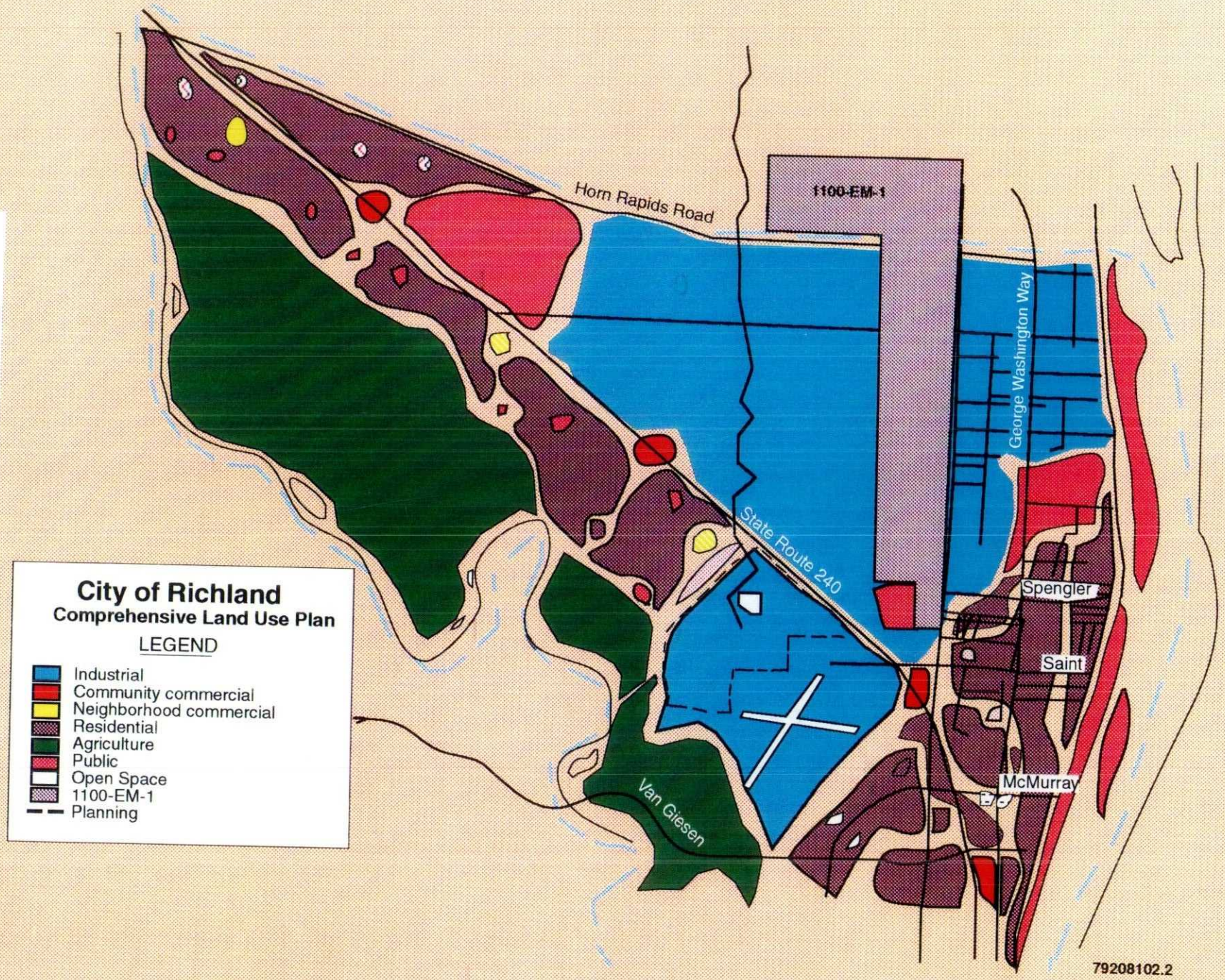

Figure J-4. City of Richland Comprehensive Plan

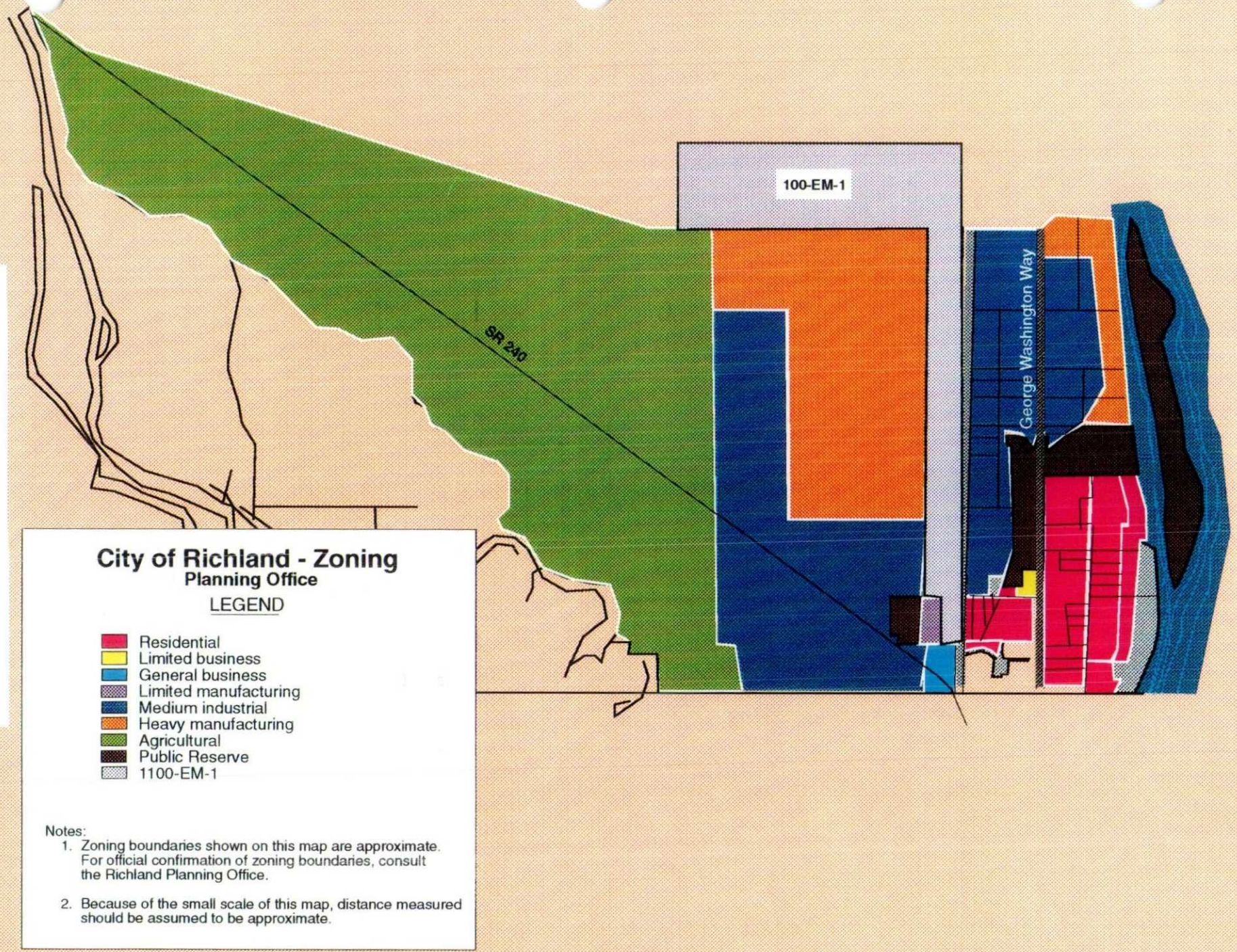

Figure J-5. City of Richland Land Use Zoning

4.4 LAND USE AND PLANNING FOR ADJACENT PROPERTY

4.4.1 Washington State Growth Management Act

The City of Richland is currently changing its planning to conform to Washington State Growth Management Act requirements (WSGMA). The present land use comprehensive plan is shown on figure J-4 and, according to Herb Everet (Richland Planning and Inspection Supervisor, Community Development Department), is not anticipated to be changed significantly by future Visioning Meetings (the public participation process portion of the Growth Management Act). Land use and public opinion surveys are being conducted by the city as part of the WSGMA planning process. The information collected to date does not suggest any changes to the North Richland portion of the present comprehensive land use plan. By law, the comprehensive plan should be adopted by July 1, 1993. The WSGMA requires that the city zoning be consistent with the comprehensive plan.

4.4.2 City of Richland Land Use Zoning

Non-Federal property in the North Richland area has been zoned by the City of Richland for industrial-type activities as shown on figure J-5. Zoning of property adjacent to the 1100 Area includes heavy manufacturing, medium industrial, and limited manufacturing. This industrial land use can be assumed to continue into the future because of long-range goals associated with the Tri-Cities Science and Technology Park as shown on figure J-6. The city is deeply committed to development of the Tri-Cities Science and Technology Park, and every aspect of their planning, including zoning, is consistent with this development. The City of Richland and DOE Field Office, Richland, are negotiating the annexation of the 1100 Area (Tri-City Herald, 1992a and 1992b). Annexation would provide for DOE retention of the land with the City of Richland providing many of the services to the area. As a part of the agreement, the City of Richland would extend its industrial zoning to cover this area.

4.4.3 Tri-Cities Science and Technology Park

The City of Richland is a member of the Tri-Cities Science and Technology Park Association and is developing a market and promotional strategy for the Tri-Cities Science and Technology Park. Plans for this development include construction of administrative offices, research facilities, and commercial and light manufacturing operations. The City of Richland owns most of the property adjacent to the east side of the 1100 Area (figure 7). The city intends to sell this property to commercial firms to encourage the development of an industrial park. The city is presently leasing some of this land for agricultural use. The contractual arrangement of the lease allows the city to terminate this activity at any time based upon the city's intent to market this area as an industrial park. According to Herb Everet, the city does not intend this agricultural activity to continue over a prolonged period. Planning has begun on extending a number of streets in the area west of Stevens Drive and north of SR-240 (see figure J-3). A portion of the Battelle Boulevard extension is planned for 1992. The intent of this planning is to serve future commercial development in this area better and demonstrate the city's intent to promote the industrial park.

5.0 FUTURE LAND USE

An industrial type of land use is identified for the 1100 and 300 Areas for at least the next 20 years. The long range needs for the Hanford mission require these areas to serve as operation support and research facility functions. Additionally, the 1100-EM-1 Operable Unit is at the heart of a large industrial complex for which the City of Richland, and other participants in the Tri-Cities Science and Technology Park Association, are developing long range plans for commercial/industrial development. Proposed planning by the City of Richland indicates an industrial zone for the 1100 Area government-owned land. The city is proposing this zoning in the event that the Federal government releases jurisdiction of the property. The 1100 Area and adjacent areas zoned by the City of Richland are industrial based upon DOE's and the City of Richland's existing development and future land use plans. Therefore, residential development and long-term agricultural uses are inconsistent with all available land use plans and are not anticipated in the future.

REFERENCES

DOE-RL, 1991, *Draft Hanford 300 Area Development Plan*, DOE/RL-91-09, U.S. Department of Energy Field Office, Richland, Washington.

DOE-RL, 1992, *Draft Hanford Site Development Plan*, DOE/RL-92-20, U.S. Department of Energy Field Office, Richland, Washington.

Tri-City Herald, 1992a, *Richland Eyes Hanford Areas*, Tri-City Herald, September 5, 1992, Kennewick, Washington.

Tri-City Herald, 1992b, *Richland Moves to Annex Hanford Areas*, Tri-City Herald, September 9, 1992, Kennewick, Washington.

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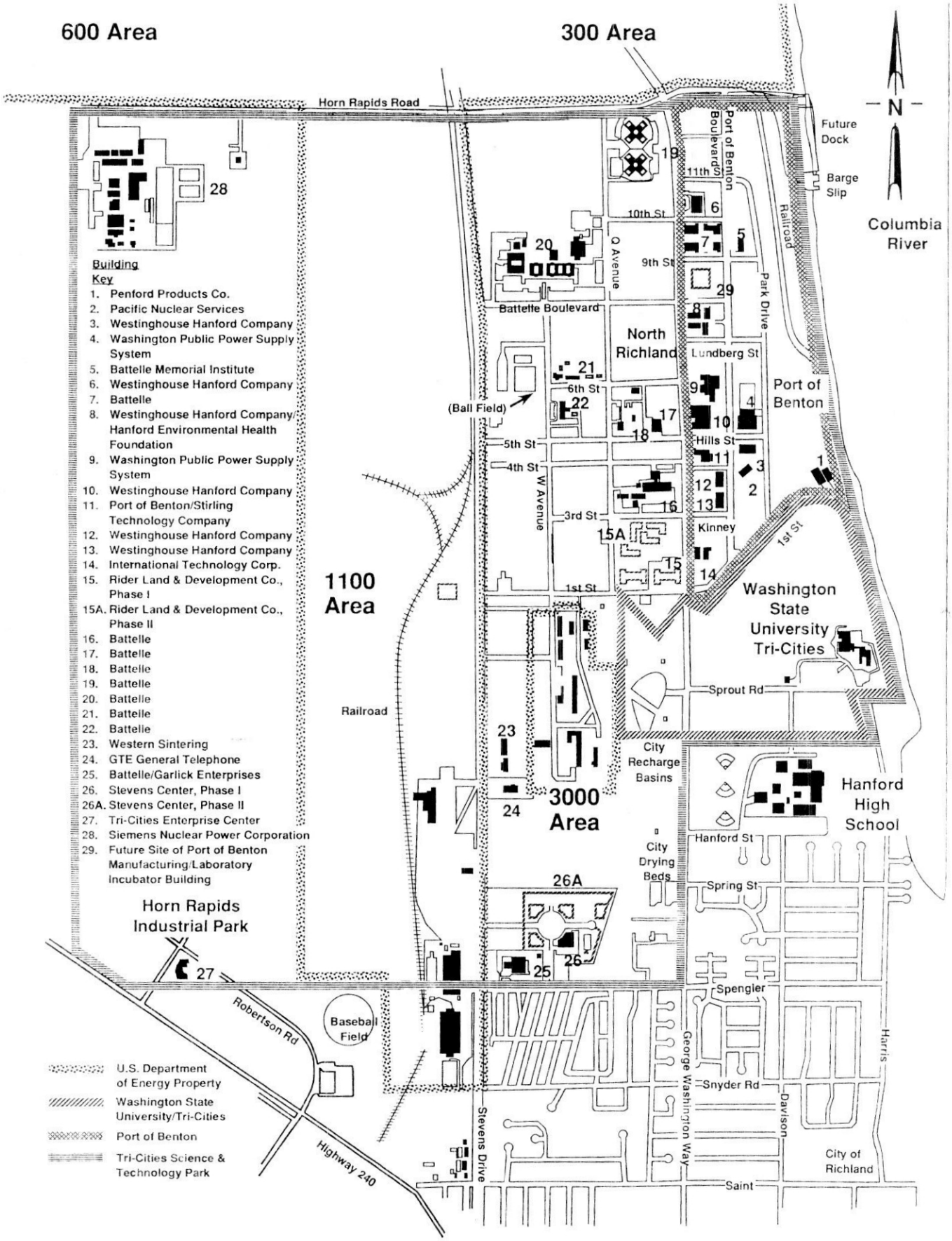

Figure J-6. Tri-Cities Science and Technology Park

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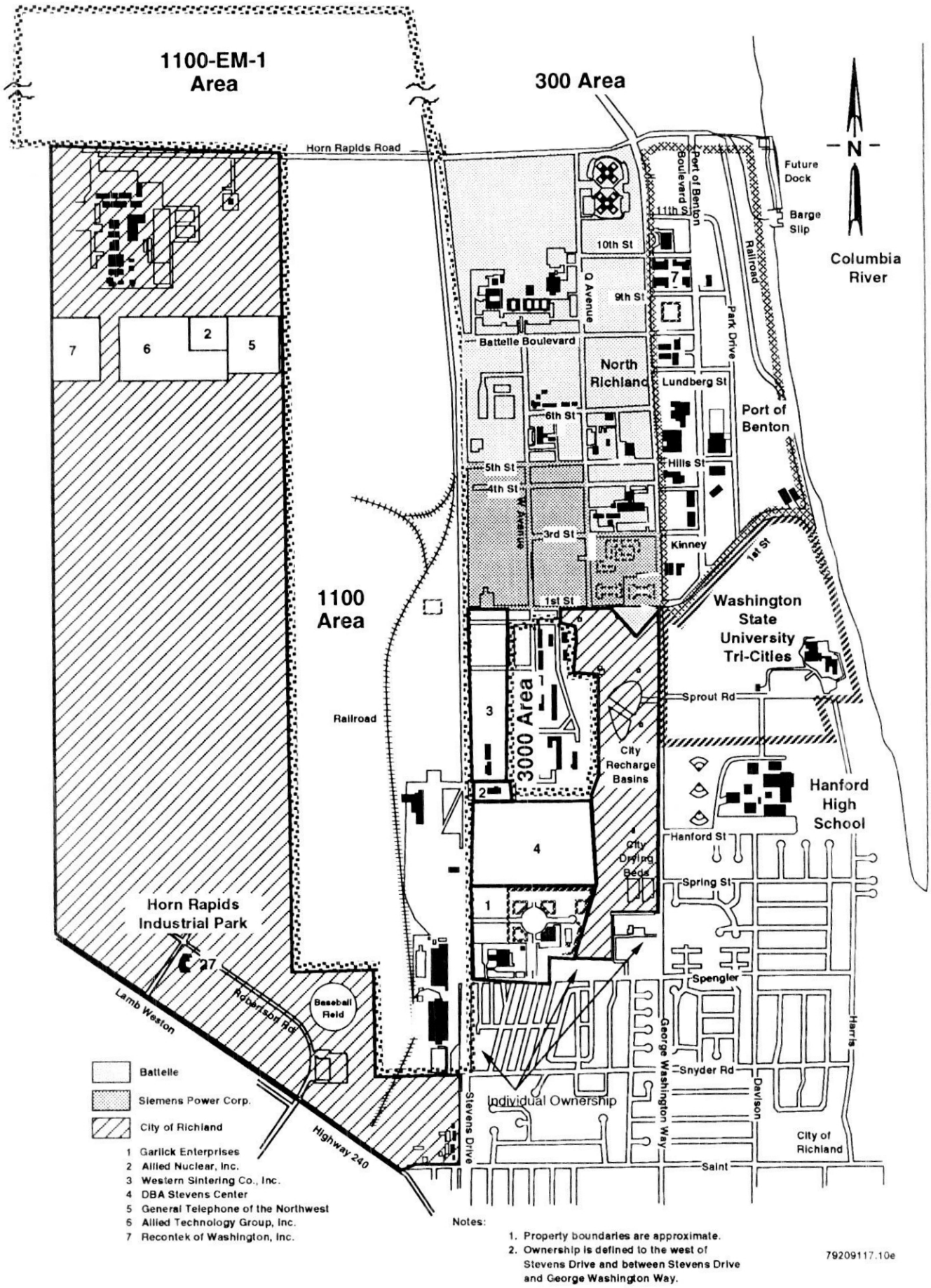

Figure J-7. Property Ownership Adjacent to 1100 Area

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APPENDIX K

RISK ASSESSMENT

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1.0 INTRODUCTION

The 1100-EM-1 Operable Unit is one of four hazardous substance response project units associated with the 1100 Area of the U. S. Department of Energy's (DOE's) Hanford Site. In July 1989, the U. S. Environmental Protection Agency (EPA) placed the 1100 Area on the National Priorities List (NPL). The Phase I Remedial Investigation (RI) Report for the 1100-EM-1 Operable Unit (DOE/RL-90-18) was issued in August, 1990, and a Phase I and II Feasibility Study (FS) Report (DOE/RL-90-32) issued in August, 1991. Phase II RI activities have been conducted since these earlier reports. The data obtained from these activities have been evaluated to characterize further the operable unit, and to develop and evaluate remedial alternatives.

This section sets forth the general purpose, scope, and organization of the 1100-EM-1 Baseline Industrial Scenario Risk Assessment (BISRA) and Baseline Residential Scenario Risk Assessment (BRSRA). A brief description of the operable unit is also provided. Additional information regarding the 1100-EM-1 Operable Unit was presented in the Phase I Report (DOE/RL-90-18).

1.1 PURPOSE AND SCOPE OF THE BISRA AND BRSRA

Pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 USC 9601 and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 CFR § 300, a site-specific baseline risk assessment was conducted "to characterize the current and potential threats to human health and the environment... The results of the baseline risk assessment will help establish acceptable exposure levels for use in developing remedial alternatives in the FS..."[40 CFR §300(d)(4)].

The 1100-EM-1 Operable Unit is located in an area designated as industrial and is surrounded by areas zoned by the city of Richland for industrial and commercial use (appendix J of the main document). Consequently, there are no residents at any of the 1100-EM-1 subunits. However, at the direction of EPA [(Einan, 1991), and appendix I], Department of Energy, Richland Field Office (DOE-RL) agreed to provide a BRSRA for selected subunits of the 1100-EM-1 Operable Unit [(Wisness, 1991), and appendix I]. A BRSRA was submitted to fulfill the agreement made between DOE-RL, EPA, and state of Washington Department of Ecology (Ecology). This baseline risk assessment document combines both the BRSRA and BISRA.

1.1.1 PURPOSE AND SCOPE OF THE BISRA

The purpose of this BISRA is to evaluate potential threats to industrial workers posed by contaminants detected at each of seven subunits identified in the 1100-EM-1 Operable Unit. These subunits are:

- 1100-1 (Battery Acid Pit)
- 1100-2 (Paint and Solvent Pit)
- 1100-3 (Antifreeze and Degreaser Pit)
- 1100-4 (Antifreeze Tank Site)
- UN-1100-6 subunit (Discolored Soil Site)
- Horn Rapids Landfill (HRL)
- Ephemeral Pool

The scope of the BISRA is limited to the evaluation of an industrial scenario, as presented in the Hanford Site Baseline Risk Assessment Methodology (HSBRAM), (DOE-RL-91-45, Revision 1) utilizing soil data from Phase I and Phase II RI sampling. Sampling for two subunits, HRL and the Ephemeral Pool, was conducted as part of Phase II site investigation activities. A summary of the Phase II soil sampling data is provided in appendix D. Phase I data is provided in appendix I of the Phase I Report (DOE/RL-90-18). Phase I and Phase II data are used to identify the contaminants at the subunits. Because the scope of the BISRA is focused on the soil contamination present in the subunits, only exposure pathways directly related to the soil are evaluated. These pathways include soil ingestion, dermal exposure, and inhalation of fugitive dust.

The contaminants were evaluated in a two-step process to minimize statistical analysis and allow comparison of maximum value concentrations and 95-percent upper confidence limit (UCL) concentrations. Maximum concentrations were used not only for preliminary risk-based screening, but also for the initial risk-based assessment calculations. If a health risk was indicated, 95-percent UCL concentrations were used in the calculations for comparison.

As indicated above, the list of contaminants and maximum contaminant concentration evaluated in this BISRA is a compilation of sampling data from the Phase I and Phase II RI's. The data represent maximum concentrations. They do not generally reflect the spatial distribution of the contaminants at the operable subunits or the frequency of detection. Therefore, the maximum concentration may not be representative of actual subunit conditions, and may be very conservative, especially for large areas, such as HRL.

This BISRA evaluates the potential human health threats to an industrial worker at each subunit. Currently, no workers are assigned to tasks at any of the subunits on a regular basis. However, this BISRA conservatively assumes that industrial workers could exist in the future. This BISRA assumes that personnel are assigned to the 1100 Area for the purposes other than remediation.

1.1.2 PURPOSE AND SCOPE OF THE BRSRA

The purpose of this BRSRA is to evaluate potential threats to onsite residents at each of five 1100-EM-1 subunits, as defined in Einan, 1991 (see appendix I), and Einan, 1992 (see appendix I). These subunits are:

- 1100-2 (Paint and Solvent Pit);
- 1100-3 (Antifreeze and Degreaser Pit);
- UN-1100-6 subunit (Discolored Soil Site);
- HRL; and
- Ephemeral Pool.

The scope of the BRSRA includes evaluation of specific contaminants of potential concern and specific exposure pathways.

1.2 REPORT ORGANIZATION

The BISRA and BRSRA are organized in a format consistent with that recommended in the Risk Assessment Guidance for Superfund (RAGS), Volume 1: Human Health Evaluation Manual, part A (EPA, 1989a) and HSBRAM.

The remainder of Chapter 1 provides background information on the 1100-EM-1 Operable Unit and the specific subunits outlined above.

The identification of contaminants of potential concern is discussed in Chapter 2. Contaminants detected at the 1100-EM-1 Operable Unit are compared to risk-based benchmark screening concentrations. This comparison yields a list of contaminants of potential concern that are further evaluated in the exposure assessment and toxicity assessment of the BISRA.

The exposure assessment is presented in Chapter 3. The exposure assessment determines the magnitude of the exposures through potential exposure pathways. As indicated above, the only receptor populations considered in the BISRA are onsite industrial workers; and BRSRA onsite residents at each individual subunit.

The toxicity assessment is presented in Chapter 4. The toxicity assessment is supplemented by toxicity profiles for the contaminants of potential concern that are presented in appendix II. The characterization of risk associated with the operable subunits is presented in Chapter 5. A summary of the BISRA is provided in Chapter 6. References cited in the risk assessment are provided in Chapter 7.

Appendixes are used to present letters and memoranda cited (appendix I); toxicological profiles (appendix II); example calculations (appendix III); statistical information (appendix IV); and the results of the Uptake/Biokinetic (UBK) Model for Lead (appendix V). Published information that is readily available to Hanford Site and regulator personnel is incorporated by reference.

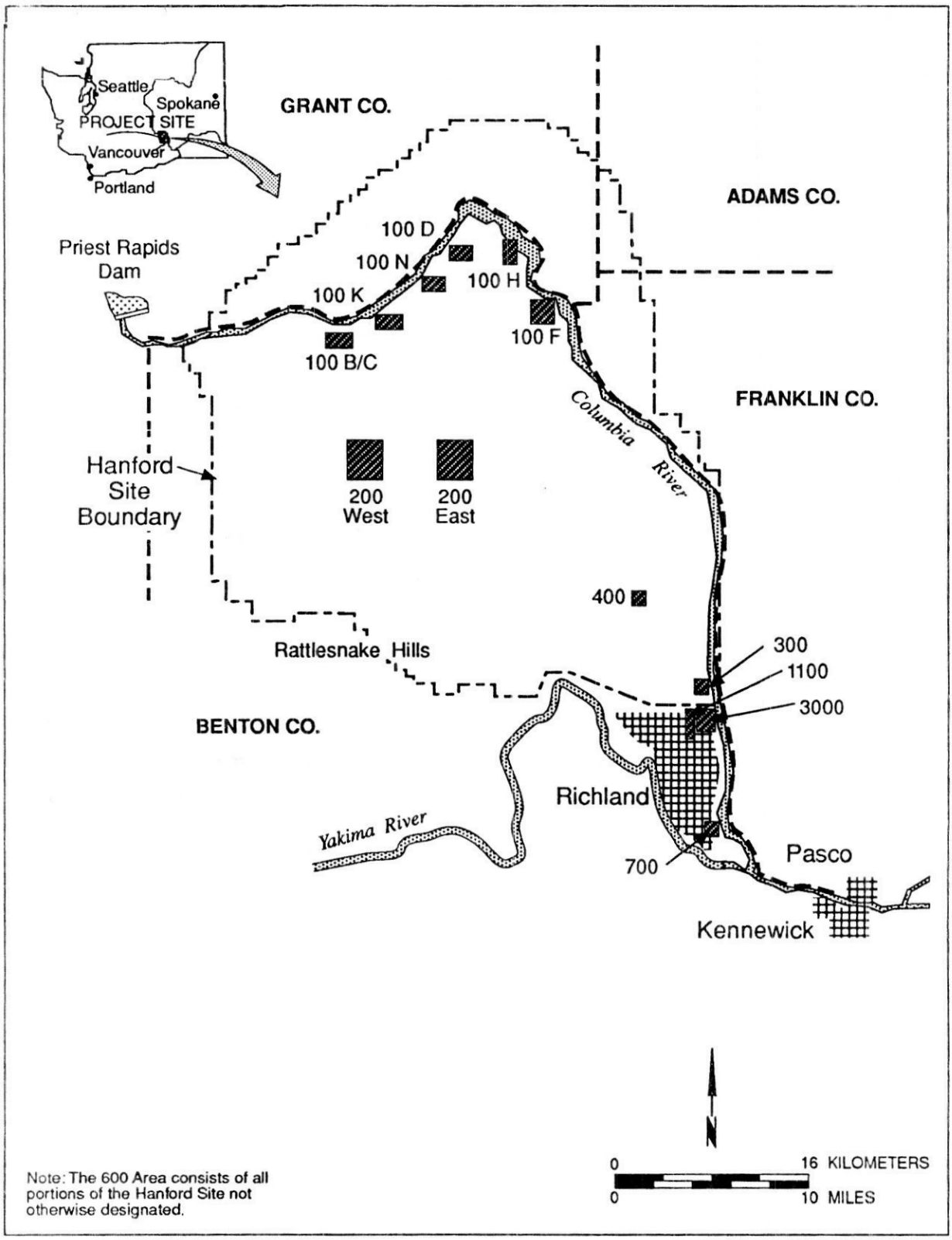
1.3 1100-EM-1 OPERABLE UNIT HISTORY AND DESCRIPTION

The Hanford Site is a 150,000 hectares (ha) (560 mi^2) reservation operated by the Federal Government since 1943. The Hanford Site is located along the Columbia River in southeastern Washington and covers portions of Benton, Grant, Franklin, and Adams Counties. The 1100 Area (see figure 1-1), which is adjacent to the city of Richland in Benton County, comprises the southeastern-most portion of the Hanford Site.

The 1100 Area is a central warehousing, vehicle maintenance, and transportation distribution center. It is the main portal to the Hanford Site. The 1100-EM-1 Operable Unit is one of four operable units assigned to the 1100 Area.

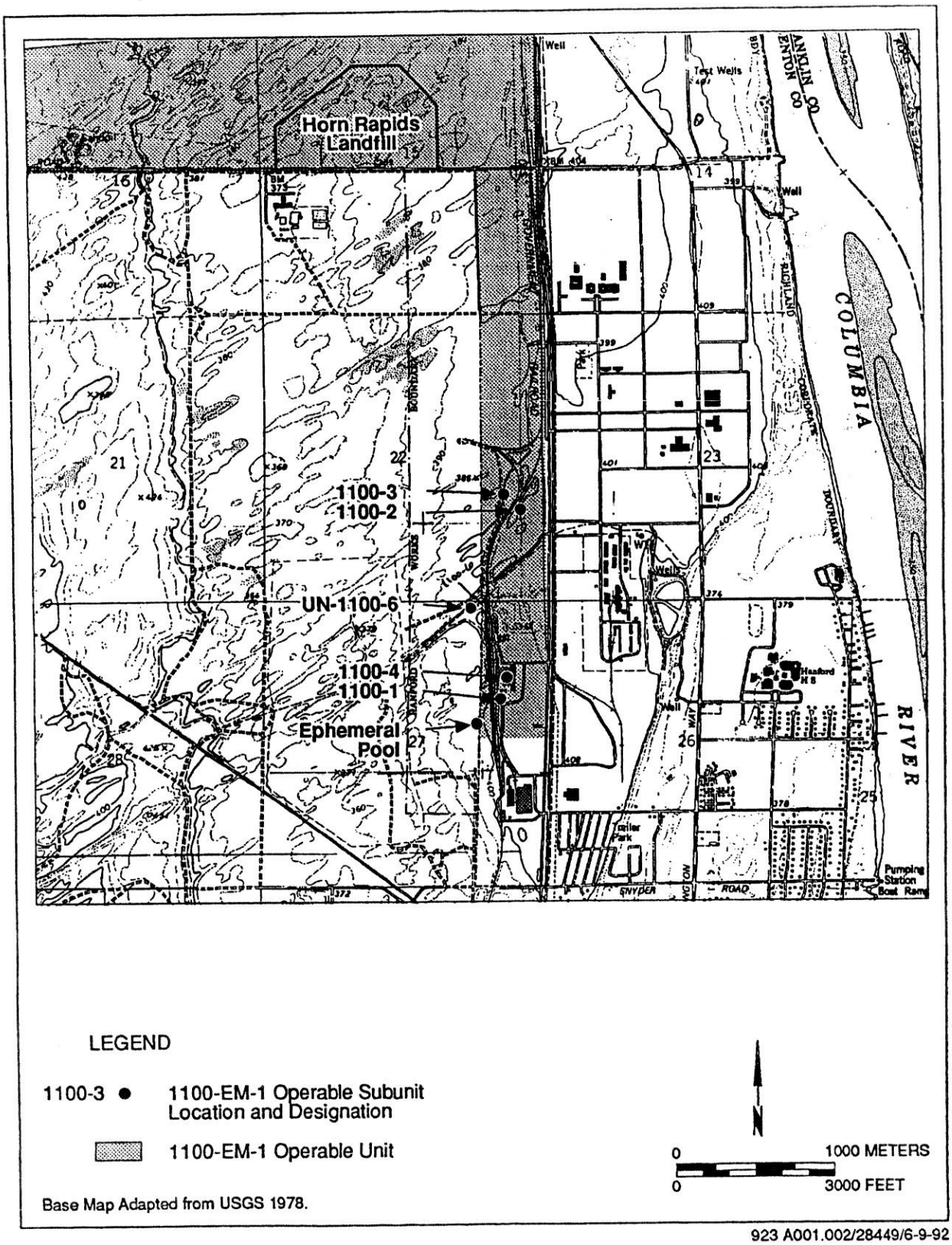
A brief description of the five subunits evaluated in these BISRA and BRSRA is provided in section 3 of the RI/FS report. Figure 1-2 illustrates the operable subunits within the 1100-EM-1 Operable Unit.

9312852092934



923 A001.002/28448/5-5-92

Figure 1-1. Hanford Site.



923 A001.002/28449/6-9-92

Figure 1-2. Operable Subunits within the 1100-EM-1 Operable Unit.

2.0 IDENTIFICATION OF CONTAMINANTS OF POTENTIAL CONCERN (COPC) FOR BISRA AND BRSRA

This chapter presents the process for evaluating the available data to identify COPC for the BISRA and BRSRA. For the BISRA, the process is conducted as described in the HSBRAM (DOE/RL-91-45). The BRSRA is based on EPA selected COPC, as discussed in Einan, 1991 and Einan, 1992 (see appendix I).

2.1 IDENTIFICATION OF COPC FOR BISRA

2.1.1 1100-EM-1 CONTAMINANTS FOR BISRA

A large number of waste materials in varying quantities were potentially disposed of in the soil at the operable subunits. As part of the Phase I RI, the sampling data were evaluated for each of the subunits. As part of the Phase II RI, additional soil sampling data were collected from the Ephemeral Pool and HRL. The maximum concentrations of all detected contaminants from both Phase I and Phase II sampling are used to identify COPC for this BISRA.

The first step in the identification of COPC for a risk assessment is the comparison of the maximum parameter concentrations to project-specific control concentrations (*i.e.*, control screening), as recommended in the HSBRAM (DOE/RL-91-45). The upper tolerance limit (UTL) values, as defined in appendix IV, are used as the project-specific control distribution. For control screening, if the parameter concentration in soil at a specific subunit is not greater than the UTL, it is eliminated from further evaluation in the risk assessment. A contaminant is retained for further evaluation in the preliminary risk screening if the maximum concentration is greater than UTL. Additional information on the calculation of the UTLs is presented in appendix IV.

For this BISRA, control screening for Phase I and Phase II data was conducted with the data presented in appendix IV. The Phase I data were tabulated in appendix I (DOE-RL- 90-18) and the Phase II data were in appendix I. The contaminants and maximum concentrations identified in soil samples are provided in table 2-1 of this risk assessment.

For the purposes of this report, several conservative assumptions are used with respect to the contaminants:

- All Arochlors detected (*e.g.*, Arochlor 1248, 1254, or 1260) are combined and evaluated as total polychlorinated biphenyls (PCB's).

Table 2-1. Summary of 1100-EM-1 Operable Unit Soil Contaminants and Maximum Contaminant Concentrations. (sheet 1 of 1)

Contaminant	1100-1 (mg/kg)	1100-2 (mg/kg)	1100-3 (mg/kg)	1100-4 (mg/kg)	UN-1100-6 (mg/kg)	Horn Rapids Landfill (mg/kg)	Ephemeral Pool (mg/kg)
Antimony	--	--	--	--	--	15.8	--
Arsenic	3.2	--	--	5.8	--	6.6	--
Barium	--	--	--	--	--	1,320	--
Beryllium	--	--	--	0.93	--	1.3	--
Cadmium	--	--	--	--	--	2.4	--
Chromium	--	16.8	14	--	--	1,250	--
Cobalt	--	--	17.8	--	--	42.5	--
Copper	37.9	24.4	31.7	19.8	--	1,280	--
Cyanide	--	--	--	--	--	0.56	--
Lead	266	94.6	26.4	5.7	22.1	854	54.2
Manganese	--	366	436	--	--	501	--
Mercury	0.39	--	--	--	--	1.3	--
Nickel	20.9	--	--	--	--	557	--
Selenium	--	--	--	--	--	0.97	--
Silver	--	--	--	2	--	7.7	--
Thallium	--	0.48	0.4	0.48	--	3.1	--
Vanadium	118	--	--	--	--	101	--
Zinc	100	56.6	60	63.8	111	3,160	67.5
BEHP	--	--	--	--	25,000	--	--
Beta-HCH	--	--	--	--	--	0.094	--
Chlordane	--	--	--	--	1.86	--	2.8
Chlorobenzene	--	0.006	--	--	--	--	--
DDT	--	0.16	--	--	0.17	1.98	--
Endosulfan II	--	--	--	--	--	0.11	0.16
Endrin	--	--	--	--	--	0.42	0.039
Heptachlor	--	--	--	--	0.065	0.02	0.029
2-Hexanone	--	--	--	--	0.053	--	--
Naphthalene	--	--	--	--	--	8.2	--
PCB's	--	--	--	--	--	100	42
Tetrachloroethene	--	0.035	--	--	--	0.006	--
Trichloroethene	--	0.006	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	0.035	--	--

-- Indicates not a contaminant at this subunit
Note: This table includes data from the Phase I RI and Phase II RI.

- 1,1,1-trichloro-2,2-bis-(p-chlorophenyl)ethane (DDT) is defined as the sum of 4,4'-DDT, 4,4'-DDD, and 4,4'-DDE.

- Di-n-octyl-phthalate is combined and evaluated with the carcinogen bis(2-ethylhexyl)phthalate (BEHP) because there are insufficient data to develop toxicity values for di-n-octyl-phthalate.

- The alpha- and gamma-isomers of chlordane are combined for evaluation as total chlordane.

- 2-methylnaphthalene and naphthalene are combined for evaluation as naphthalene because toxicity values are not available. This assumption is conservative because naphthalene is more toxic than 2-methylnaphthalene.

- Endrin and endrin ketone are combined and evaluated as endrin.

- All chromium is assumed to be chromium(VI), which is the most toxic valence state of chromium. Insufficient data are available to ascertain specification of chromium at the subunits at this time. This assumption provides a conservative evaluation of the potential toxicity associated with chromium present in soil at 1100-EM-1 subunits.

Several contaminants have been eliminated from further evaluation in this BISRA using procedures recommended in RAGS (EPA, 1989a), the EPA Region 10 (EPA-10) Supplemental RAGS (EPA-10, 1991), and the HSBRAM (DOE/RL-90-18). These contaminants are aluminum, calcium, iron, magnesium, potassium, and sodium. As discussed in Chapter 4 of DOE/RL-90-18, these contaminants have a low potential for toxicity under environmental conditions and most are essential elements for humans. Additionally, the concentrations detected in Phase I and Phase II RI samples are within the normal range for soils within the United States (DOE/RL-90-18).

Copper and cobalt were eliminated from evaluation in the Phase I RI Report because they are essential elements for humans. Initially, the toxicity data available were insufficient to establish a chronic reference dose (RfD), and the maximum concentrations encountered did not exceed the normal range in soils within the United States (DOE/RL-90-18). Currently, however, EPA-10 provides interim RfD's for both of these elements (see appendix I). Copper and cobalt are included in the preliminary risk-based screening to define COPC for the 1100-EM-1 subunits.

where:

C	=	risk-based benchmark concentration in soil (mg/kg)
TR	=	target excess individual lifetime cancer risk (1E-07)
BW	=	body weight (kg)
AT	=	averaging time (365 d/yr x 70 yr)
SF	=	contaminant-specific slope factor $(mg/kg\text{-}d)^{-1}$
IR	=	intake rate (mg/d or for soil or m^3/d for air)
EF	=	exposure frequency (d/yr)
ED	=	exposure duration (yr)

Appropriate conversion factors are used, as necessary.

For noncarcinogenic effects, the equation is:

$$C = \frac{THQ \times RfD \times BW \times AT}{IR \times EF \times ED}$$

where:

C	=	risk-based benchmark concentration in soil (mg/kg)
THQ	=	target hazard quotient (0.1)
RfD	=	contaminant-specific chronic reference does (mg/kg-d)
BW	=	body weight (kg)
AT	=	averaging time (365 d/yr x 70 yr)
IR	=	intake rate (mg/d or m^3/d for soil or air, respectively)
EF	=	exposure frequency (d/yr)
ED	=	exposure duration (yr)

Appropriate conversion factors are used, as necessary.

Two soil exposure pathways are used in calculating preliminary risk-based benchmark concentrations, as recommended in the HSBRAM (DOE/RL-91-45) and by EPA-10 (EPA-10, 1991). These exposure pathways are soil ingestion and inhalation of fugitive dust. The exposure assumptions for each pathway are discussed below and summarized in table 2-2. Example calculations are provided in appendix III.

2.2.1.1 Soil Ingestion. All soil ingestion risk-based benchmark concentrations are derived using onsite residential exposure assumptions from the HSBRAM (DOE/RL-91-45). The residential exposure assumptions of the HSBRAM are based on EPA-10, 1991 and the Washington State Model Toxics Control Act Cleanup Regulations (MTCACR), Washington Administrative Code (WAC) 173-340. For carcinogens, the exposure assumptions are based on a child and an adult exposure. The child exposure factors are a body weight of 16 kg, a

daily intake rate of 200 mg/d, and exposure frequency of 365 d/yr, and an exposure duration of 6 yrs. The adult exposure factors are a body weight of 70 kg, a daily intake rate of 100 mg/d, an exposure frequency of 365 d/yr, and an exposure duration of 24 years. For oral soil ingestion of contaminants with noncarcinogenic effects, the exposure assumptions are based only on exposures for a child. The exposure factors, therefore, are a body weight of 16 kg, a soil ingestion contact rate of 200 mg/d, and exposure frequency of 365 d/yr, and an exposure duration of 6 yrs. A conversion factor of 1E06 mg/kg is used.

2.2.1.2 Air Inhalation. Soil criteria are similarly derived for the inhalation of fugitive dust generated by contaminated soil. For carcinogens, the intake assumptions are a body weight of 70 kg, an inhalation intake rate of 20 m^3/d, an exposure duration of 30 years, and an exposure frequency of 365 d/yr. The risk-based benchmark concentration in soil for noncarcinogenic effects by the fugitive dust inhalation pathway is calculated using exposure parameters for a child with an intake rate of 10 m^3/d, an exposure frequency of 365 d/yr, and an exposure duration of 6 yr.

For purposes of screening, several assumptions are made to determine a particulate emission factor that relates the contaminant concentration in soil with the concentration of respirable particles in the air due to fugitive dust from the contaminated site. For screening, a particulate emission factor of 8E07 m^3/kg is used in the screening equations. This factor has been derived by conservatively assuming the concentration of airborne particulates is at the maximum annual air quality standard of 0.050 mg/m^3 (40 CFR 50). It is also assumed that the concentration of contaminant in the dust suspended in the air is directly related to the concentration of contaminant in the parent soil and that all air particulates are derived entirely from the parent soil. In accordance with Cowherd *et al.* (1985), 25 percent of the respirable fraction (*i.e.*, 0.0125 mg/m^3) is assumed to be retained in the lung and absorbed.

Lead does not have any published numerical toxicity values such as slope factors (SF's) or chronic reference doses (RfD's) that can be used to calculate risk-based benchmark concentrations. The regulatory criteria for lead is a soil concentration of 500-1,000 mg/kg (EPA 1989b). Concentrations below 500 mg/kg have not been shown to cause increases in blood lead levels in the sensitive subpopulation, children (EPA, 1989b). Therefore, for the BISRA, lead is not evaluated further at a subunit if the concentration detected is below 500 mg/kg.

2.2.2 Preliminary Risk-Based Screening Results

The results of the risk-based screening are presented in tables 2-3 through 2-9. Contaminants present at lower concentrations than risk-based benchmark screening concentrations are eliminated from further evaluation in the risk assessment. These contaminants are not likely to result in adverse effects, based on a conservative evaluation of potential exposures. Contaminants that exceed risk-based benchmark concentrations are considered COPC's. These contaminants are indicated by shading in tables 2-3 through 2-9. They are also retained, for further evaluation, in the BISRA.

Table 2-3. Preliminary Risk-Based Screening for Soil Contaminants at the 1100-1 Subunit.

Parameter	Maximum Detected Soil Concentration (mg/kg)	Oral RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Inhalation RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Oral SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Oral ICR = 1E-07 (mg/kg)	Inhalation SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Inhalation ICR = 1E-07 (mg/kg)	Regulatory Soil Cleanup Guidelines (mg/kg)
Arsenic	3.2	3.0E-04[a]	2.4	--	--	1.7E+00[e]	0.036	5.0E+01[a,b]	4.3	--
Copper	37.9	4.0E-02[f]	320	--	--	--	--	--	--	--
Lead	266	ND	--	ND	--	ND	--	ND	--	500-1,000[d]
Mercury	0.39	3.0E-04[b]	2.4	8.5E-05[b]	1,100	--	--	--	--	--
Nickel	20.9	2.0E-02[a]	160	--	--	--	--	8.4E-01[a]	78	--
Vanadium	118	7.0E-03[b]	56	--	--	--	--	--	--	--
Zinc	100	2.0E-01[b]	1,600	--	--	--	--	--	--	--

[a]Integrated Risk Information System (IRIS), (EPA, 1992a)
[b]Health Effects Assessment Summary Tables (HEAST), (EPA, 1992b)
[c]Based on 30% absorption of inhaled arsenic (EPA, 1992b)
[d]EPA, 1989b
[e]Surrogate based on proposed arsenic unit of risk of 5E-05 $\mu g/L$ (EPA, 1991).
[f]EPA Region-10 (see appendix I)
-- Indicates not available
ND Not Determined
Note: Shaded areas indicate screening criterion exceeded

Table 2-5. Preliminary Risk-Based Screening for Soil Contaminants at the 1100-3 Subunit.

Parameter	Maximum Detected Soil Concentration (mg/kg)	Oral RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Inhalation RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Oral SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Oral ICR = 1E-07 (mg/kg)	Inhalation SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Inhalation ICR = 1E-07 (mg/kg)	Regulatory Soil Cleanup Guidelines (mg/kg)
Chromium	14	5.0E-03[a]	40	--	--	--	--	4.1E+01[a]	1.6	--
Cobalt	17.8	6.0E-02[c]	480	--	--	--	--	--	--	--
Copper	31.7	4.0E-02[d]	320	--	--	--	--	--	--	--
Lead	26.4	ND	--	ND	--	ND	--	ND	--	500-1,000[e]
Manganese	436	1.0E-01[a]	800	1.1E-04[a]	1,400	--	--	--	--	--
Zinc	60	2.0E-01[b]	1,600	--	--	--	--	--	--	--

[a]Integrated Risk Information System (IRIS), (EPA, 1992a)
[b]Health Effects Assessment Summary Tables (HEAST), (EPA, 1992b)
[c]Based on 30% absorption of inhaled arsenic (EPA, 1992b)
[d]EPA, 1989b
[e]Surrogate based on proposed arsenic unit of risk of 5E-05 $\mu g/L$ (EPA, 1991)
[f]EPA Region-10 (see appendix I)
-- Indicates not available
ND Not Determined
Note: Shaded areas indicate screening criterion exceeded

Table 2-6. Preliminary Risk-Based Screening for Soil Contaminants at the 1100-4 Subunit.

Parameter	Maximum Detected Soil Concentration (mg/kg)	Oral RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Inhalation RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Oral SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Oral ICR = 1E-07 (mg/kg)	Inhalation SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Inhalation ICR = 1E-07 (mg/kg)	Regulatory Soil Cleanup Guidelines (mg/kg)
Arsenic	5.8	3.0E-04[a]	2.4	--	--	1.7E+00[e]	0.038	5.0E+01[e]	4.3[c]	--
Beryllium	0.93	5.0E-03[a]	40	--	--	4.3E+00[e]	0.015	8.4E+00[e]	7.8	--
Copper	19.8	4.0E-02[f]	320	--	--	--	--	--	--	--
Lead	5.7	ND	--	ND	--	ND	--	ND	--	500-1000[d]
Silver	2	5.0E-03[a]	40	--	--	--	--	--	--	--
Thallium	0.48	7.0E-05[b]	0.56	--	--	--	--	--	--	--
Zinc	63.8	2.0E-01[b]	1,600	--	--	--	--	--	--	--

[a]Integrated Risk Information System (IRIS), (EPA, 1992a)
[b]Health Effects Assessment Summary Tables (HEAST), (EPA, 1992b)
[c]Based on 30% absorption of inhaled arsenic (EPA, 1992b)
[d]EPA, 1989b
[e]Surrogate based on proposed arsenic unit of risk of 5E-05 μm/L (EPA, 1991)
[f]EPA Region-10 (see appendix I)
-- Indicates not available
ND Not Determined
Note: Shaded area indicate screening criterion exceeded

Table 2-7. Preliminary Risk-Based Screening for Soil Contaminants at the UN-1100-6 Subunit.

Parameter	Maximum Detected Soil Concentration (mg/kg)	Oral RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Inhalation RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Oral SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Oral ICR = 1E-07 (mg/kg)	Inhalation SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Inhalation ICR = 1E-07 (mg/kg)	Regulatory Soil Cleanup Guidelines (mg/kg)
Lead	22.1	ND	--	ND	--	ND	--	ND	--	500-1,000[c]
Zinc	111	2.0E-01[b]	1,600	--	--	--	--	--	--	--
BEHP	25,000	2.0E-02[a]	180	--	--	1.4E-02[a]	4.5	1.4E-02[d]	4,600	--
Chlordane	1.88	6.0E-05[a]	0.48	--	--	1.3E+00[a]	0.048	1.3E+00[a]	51	--
DDT	0.17	5.0E-04[a]	4.0	--	--	3.4E-01[a]	0.19	3.4E-01[a]	190	--
Heptachlor	0.065	5.0E-04[a]	4.0	--	--	4.5E+00[a]	0.014	4.5E+00[a]	14	--
2-hexanone	0.053	5.0E-02[f]	400	9.0E-02[f]	1,000,000	-	--	--	--	--
1,1,1-trichloroethane	0.035	9.0E-02	720	3E-01	4,000,000	-	--	--	--	--

[a]Integrated Risk Information System (IRIS), (EPA, 1992a)
[b]Health Effects Assessment Summary Tables (HEAST), (EPA, 1992b)
[c]EPA, 1989b
[d]Surrogate inhalation SF assumed to equal BEHP oral SF
[e]Surrogate based on proposed arsenic unit of risk of 5E-05 $\mu m/L$ (EPA, 1991)
[f]Surrogate based on 2-butanone (HEAST), (EPA, 1992b)
-- Indicates not available
ND Not Determined
Note: Shaded areas indicate screening criterion exceeded

Table 2-8. Preliminary Risk-Based Screening for Soil Contaminants at the Horn Rapids Landfill. (sheet 1 of 2)

Parameter	Maximum Detected Soil Concentration (mg/kg)	Oral RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Inhalation RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Oral SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Oral ICR = 1E-07 (mg/kg)	Inhalation SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Inhalation ICR = 1E-07 (mg/kg)	Regulatory Soil Cleanup Guidelines (mg/kg)
Antimony	15.6	4.0E-04[a]	3.2	--	--	--	--	--	--	--
Arsenic	6.6	3.0E-04[a]	2.4	--	--	1.7E+00[c]	0.038	5.0E+01[a]	4.3[a]	--
Barium	1320	7.0E-02[a]	560	1.0E-04[b]	1,300	--	--	--	--	--
Beryllium	1.3	5.0E-03	41	--	--	4.3E+00[a]	0.015	8.4E+00[a]	7.8	--
Cadmium	2.4	1.0E-03[a]	8.0	--	--	--	--	6.1E+00[a]	10	--
Chromium	1250	5.0E-03[a]	40	--	--	--	--	4.1E+01[a]	1.6	--
Cobalt	42.5	6.0E-02[f]	480	--	--	--	--	--	--	--
Copper	1280	4.0E-02[f]	320	--	--	--	--	--	--	--
Cyanide	0.56	2.0E-02[a]	160	--	--	--	--	--	--	--
Lead	854	ND	--	ND	--	ND	--	ND	--	500-1,000[d]
Manganese	501	1.0E-01[a]	800	1.1E-04[a]	1400	--	--	--	--	--
Mercury	1.3	3.0E-04[b]	2.4	8.6E-05[b]	1,100	--	--	--	--	--
Nickel	557	2.0E-02[a]	160	--	--	--	--	8.4E-01[b]	78	--
Selenium	0.97	5.0E-03[b]	44	--	--	--	--	--	--	--
Silver	7.7	5.0E-03[a]	40	--	--	--	--	--	--	--
Thallium	3.1	7.0E-05[a]	0.56	--	--	--	--	--	--	--
Vanadium	101	7.0E-03[b]	56	--	--	--	--	--	--	--
Zinc	3160	2.0E-01[b]	1,600	--	--	--	--	--	--	--
Beta-HCH	0.094	--	--	--	--	1.8E+00[a]	0.036	1.8E+00[a]	36	--
DDT	1.98	5.0E-04[a]	4.0	--	--	3.4E-01[a]	0.19	3.4E-01[a]	190	--
Endosulfan II	0.11	5.0E-05a	0.4	--	--	--	--	--	--	--

Table 2-8. Preliminary Risk-Based Screening for Soil Contaminants at the Horn Rapids Landfill. (sheet 2 of 2)

Parameter	Maximum Detected Soil Concentration (mg/kg)	Oral RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Inhalation RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Oral SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Oral ICR = 1E-07 (mg/kg)	Inhalation SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Inhalation ICR = 1E-07 (mg/kg)	Regulatory Soil Cleanup Guidelines (mg/kg)
Endrin	0.42	3.0E-04[a]	2.4	--	--	--	--	--	--	--
Heptachlor	0.02	5.0E-04[a]	4.0	--	--	4.5E+00[e]	0.014	4.5E+00[e]	14	--
Naphthalene	8.2	4.0E-02[b]	320	--	--	--	--	--	--	--
PCBs	102	--	--	--	--	7.7E+00[e]	0.008	7.7E+00[h]	8.5	1.25[i]
Tetrachloroethene	0.006	1.0E-02[a]	80	--	--	5.2E-02[f]	1.2	2.0E-03[f]	33,000	--

[a]Integrated Risk Information System (IRIS), (EPA, 1992a)
[b]Health Effects Assessment Summary Tables (HEAST), (EPA, 1991) or (EPA, 1992b)
[c]Based on 30% absorption of inhaled arsenic (EPA, 1992b)
[d]EPA, 1989b
[e]Surrogate inhalation SF assumed to equal BEHP oral SF
[f]EPA-Region 10 (see appendix I)
[g]Surrogate oral and inhalation RfDs based on 2-butanone (HEAST), (EPA, 1992b)
[h]Surrogate inhalation SF assumed to be equal to PCB oral SF
[i]40 CFR 761
[j]Surrogate based on proposed arsenic unit of risk of 5E-05 $\mu g/L$ (EPA, 1991)
-- Indicates not available
ND - Not Determined
Note: Shaded areas indicate screening criterion exceeded

Table 2-9. Preliminary Risk-Based Screening for Soil Contaminants at the Ephemeral Pool.

Parameter	Maximum Detected Soil Concentration (mg/kg)	Oral RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Inhalation RfD (mg/kg-d)	Soil Concentration at HQ=0.1 (mg/kg)	Oral SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Oral ICR = 1E-07 (mg/kg)	Inhalation SF $(mg/kg\text{-}d)^{-1}$	Soil Concentration at Inhalation ICR = 1E-07 (mg/kg)	Regulatory Soil Cleanup Guidelines (mg/kg)
Lead	54.2	ND	--	ND	--	ND	--	ND	--	500-1,000[e]
Zinc	67.5	2.0E-01[b]	1,600	--	--	--	--	--	--	--
Chlordane	2.8	6.0E-05[a]	0.48	--	--	1.3E+00[a]	0.049	1.3E+00[a]	50	--
Endosulfan II	0.16	5E-05[a]	0.4	--	--	--	--	--	--	--
Endrin	0.039	3E-04[a]	2.4	--	--	--	--	--	--	--
Heptachlor	0.029	5.0E-04[a]	4.0	--	--	4.5E+00[a]	0.014	4.5E+00[a]	14	--
PCBs	42	--	--	--	--	7.7E+00[a]	0.008	7.7E+00[c]	8.5	1-25[d]

[a]Integrated Risk Information System (IRIS), (EPA, 1992a)
[b]Health Effects Assessment Summary Tables (HEAST), (EPA, 1991)
[c]Surrogate inhalation SF assumed to be equal to PCB oral SF
[d]40 CFR 761
[e]EPA, 1989b
-- Indicates not available
ND = Not determined
Note: Shaded areas indicate screening criterion exceeded

At the 1100-1 subunit, copper, mercury, nickel, and zinc are COPC, as indicated in table 2-3. Tables 2-4 and 2-5 show that chromium is the only COPC at the 1100-2 and 1100-3 subunits. Arsenic and beryllium are COPC at the 1100-4 subunit. At UN-1100-6, BEHP, chlordane, and heptachlor are COPC, as shown in table 2-7. The following are COPC at HRL: cadmium, cobalt, cyanide, manganese, mercury, selenium, silver, endosulfan II, endrin, nephthalene, and tetrachloroethene. These results are reported in table 2-8. Since lead exceeds the regulatory criteria (at 500 mg/kg, with a concentration of 854 mg/kg), it is retained as a contaminant of interest at HRL, and is discussed in chapter 5, paragraph 5.4.3. The contaminants chlordane, heptachlor, and PCB's are shown in table 2-9 as COPC for the Ephemeral Pool.

2.3 SUMMARY OF COPC IDENTIFICATION FOR BISRA

The COPC for the soil medium that have been identified following the risk-based screenings are listed in table 2-10 for each subunit. These COPC are evaluated further in the BISRA to estimate the magnitude of potential exposures (chapter 3) and risks associated with those exposures (chapter 5). Lead is retained as a contaminant of interest and discussed in chapter 5, paragraph 5.4.3.

2.4 IDENTIFICATION OF COPC FOR BRSRA

As part of the Phase I RI, the sampling data were evaluated for each of the subunits. Based on the results of the Phase I RI Report, EPA selected the following COPC, as discussed in Einan, 1991 and Einan, 1992 (see appendix I), and that are evaluated in this BRSRA:

	Subunit	Contaminant
•	1100-2	Tetrachloroethene
•	1100-3	Arsenic Chromium Lead
•	UN-1100-6 subunit	Bis (2-ethylhexyl) phthalate (BEHP) Chlordane

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Table 2-10. Summary of Contaminants of Potential Concern for the Baseline Industrial Scenario Risk Assessment 1100-EM-1 Operable Unit.

Contaminant	1100-1	1100-2	1100-3	1100-4	UN-1100-6	Horn Rapids Landfill	Ephemeral Pool
Antimony						X	
Arsenic	X			X		X	
Barium						X	
Beryllium				X		X	
Chromium		X	X			X	
Copper						X	
Lead*			*			*	
Nickel						X	
Thallium						X	
Vanadium	X					X	
Zinc						X	
BEHP					X		
Beta-HCH						X	
Chlordane					X		X
DDT						X	
Heptachlor					X	X	X
PCBs						X	X

*Contaminant of interest

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9 3 1 2 8 6 2 1 0 0 8

• HRL	Arsenic Chromium PCB's Nitrate Tetrachloroethene Trichloroethene 1,1,1-Trichloroethane Lead
• Ephemeral Pool	Chlordane PCB's

SF's were not available for beryllium when the Phase I RI report was prepared. Beryllium has been added as a COPC for the BRSRA because it is a probable carcinogen and a SF is now available.

Gross-alpha and gross-beta radioactivity has been detected in the groundwater in the vicinity of HRL. Although not considered COPC, a qualitative discussion is provided in chapter 5, paragraph 5.3.

As indicated in appendix I, table I-2, Einan, 1991 (see appendix I), 1,1,1-trichloroethane was identified as a contaminant to be evaluated in the soil at HRL. However, this compound was only detected in soil gas and groundwater at low concentrations. Therefore, no maximum concentration is presented in table 2-1. Because this contaminant was detected at low concentrations and because it is not highly toxic at low concentrations or known to be a carcinogen, no quantitative evaluation of 1,1,1-trichloroethane is provided.

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9 3 1 2 3 5 2 1 0 1 0