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RRA-T8012

NATIONAL URANIUM RESOURCE EVALUATION
EFFECTS OF OVERBURDEN, BIOMASS, AND ATMOSPHERIC
INVERSIONS ON ENERGY AND ANGULAR DISTRIBUTIONS OF
GAMMA RAYS FROM U, K, TH, AND AIRBORNE RADON SOURCES

FINAL REPORT

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Ft. Worth, Texas 76107

DECEMBER 1980

PREPARED FOR U. S. DEPARTMENT OF ENERGY
GRAND JUNCTION OFFICE, COLORADO

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ABSTRACT

This report describes a set of radiation transport calculations that were run with the ANISN S_n discrete ordinates code and a point kernel code to determine the energy, polar angle and height in air distributions of the total and direct gamma-ray flux densities from 1) uranium sources of 3.2, 200 and 800ppm in a sandstone orebody covered with biomass densities of 0, 10.2, 20.4, 51.0 and 102.0 kg/m²; 2) thorium sources of 12, 25 and 80ppm in a sandstone ore body covered with biomass densities of 0, 10.2, 20.4, 51.0 and 102.0 kg/m²; 3) potassium source of 2.5 percent by weight in a sandstone ore body covered with biomass densities of 0, 10.2, 20.4, 51.0 and 102.0 kg/m²; 4) constant airborne source with height for no inversion and for inversion layer heights of 65.22, 260.32 and 458.43 m; 5) exponentially decreasing airborne source for no inversion and inversion layer heights of 65.22, 260.32 and 458.43 m, 6) 3.2ppm uranium source in overburden layers of 10.266, 17.110, 26.399 and 32.509 cm in thickness, 7) 12ppm thorium source in overburden layers of 10.266, 17.110, 26.399 and 32.509 cm in thickness, 8) 2.5 percent by weight of potassium in overburden layers of 10.266, 17.110, 26.399 and 32.509 cm in thickness, and 9) 3.2ppm, 200 ppm, and 800ppm uranium source in sandstone orebody covered with overburden thicknesses of 10.266, 17.110, 26.399 and 32.509 cm.

Gamma-ray emission from the decay of natural uranium, thorium, radon, and potassium are given in a 45 energy group structure applicable to the energy windows used in radiometric

measurements taken in the National Uranium Resources Evaluation Program (NURE) to map the potential uranium ore reserves. A 45 energy group set of gamma-ray cross sections was developed for use in the radiation transport calculations.

The direct and total flux densities as a function of energy group, angle and height above the ground surface are stored on six magnetic tapes provided to Bendix Field Engineering Corp. The formats used to store the calculated data on the tapes and a listing of the problem data stored on each tape are given in the report.

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I. INTRODUCTION

Evaluation of data obtained in aerial radiometric surveys is an important part of the National Uranium Resources Evaluation Program (NURE). Accurate analysis methods are necessary for the long term goal of mapping potential uranium ore reserves. The ability to interpret the data depends on an understanding of the effects of many variables on the measured data. As part of the effort to improve the accuracy and/or precision of processed aerial radiometric data, Radiation Research Associates (RRA) has compiled an extensive data base which includes the effect of many environmental factors on the gamma-ray spectra as a function of altitude. The study considered: 1) uranium, potassium and thorium gamma-ray sources in a sandstone ore body; 2) airborne radon and daughter sources; 3) effects of various thickness of vegetation on the energy and angle distributions in air on the gamma radiation emitted by uranium, potassium and thorium gamma-ray sources in a sandstone ore body; 4) effects of dirt overburden on the energy and angle distribution of gamma rays in air from uranium ore sources beneath the overburden.

This report describes the work. Section II describes determination of appropriate 45 energy group uranium and thorium gamma-ray source spectra; Section III discusses the development of a 45 energy group gamma-ray cross section library for the calculations. Section IV describes methodology for the one dimensional discrete ordinates calculations. Section V gives a description of the data base transmitted to Bendix Field Engineering Corporation on magnetic tape. Section VI gives tabulated data for the total flux (integrated over 4π solid angle) and the angular flux densities versus energy group for a detector at 400 ft. height above the ground surface from each of the 67 ANISN problems run in this parameter study.

II. GAMMA-RAY SOURCE SPECTRA

Calculations of the altitude, angle and energy dependent gamma-ray fluxes in air require the use of accurate source spectra for the gamma-ray emitters in the natural uranium and thorium radioactive decay chains. Determination of source spectra is in two parts: 1) choice of energy group bounds and; 2) review of available literature for uranium and thorium data and development of source energy spectra. Section 2.1 deals with (1); Section 2.2 deals with (2).

2.1. Energy Group Bounds.

The contract statement of work provided a list of a number of gamma-ray energy windows of interest in the NURE radiometric measurements program. These energy windows are reproduced herein as Table I. In order to be able to treat these energy windows, RRA has chosen a set of 45 energy group bounds for the gamma-ray radiation transport calculations that included the energy windows in Table I and the intervals between those energy windows. The upper energy bounds, selected for use in the radiation transport calculations, are given in Table II.

2.2. Development of Gamma-Ray Source Spectra

We consulted the literature (Refs. 1 to 10), in an effort to find the best available data for generation of gamma-ray source spectra. Our review found significant differences in the available information on the gamma-ray emission by uranium and thorium decay. Tables III to XI list the available data from several sources (Refs. 2, 4, 7, 8, and 9). The data in Tables III to XI are sorted into the energy intervals used in the ORIGEN code (Ref. 2). We also sorted the data into the 45 energy group intervals of Table II. The results are presented in Table XII.

TABLE I. ENERGY RANGES OF INTEREST

U. Series (MEV)

.3 - .406
 .46 - .67
 .68 - .77
 .79 - .96
 1.03 - 1.17
 1.208 - 1.48
 1.51 - 1.90
 2.01 - 2.33
 2.38 - 3.08
 1.357 - 1.556 K Window
 1.661 - 1.860 U window
 .72 - 1.36 (Low Energy window)
 .910 - .912
 .6 - 1.1

Th Series (MEV)

.256 - .339
 .34 - .509
 .52 - .58
 .58 - .73
 .755 - .969
 .988 - 1.29
 1.36 - 1.67
 2.41 - 2.996 Th window

TABLE II. ENERGY GROUP STRUCTURE SELECTED FOR USE IN ANISN CALCULATIONS

GROUP	GROUP LIMITS (MEV)	
1	2.99500E+00	3.03000E+00
2	2.41000E+00	2.99500E+00
3	2.38000E+00	2.41000E+00
4	2.33000E+00	2.38000E+00
5	2.01000E+00	2.33000E+00
6	1.90000E+00	2.01000E+00
7	1.86000E+00	1.90000E+00
8	1.67000E+00	1.86000E+00
9	1.68100E+00	1.67000E+00
10	1.56000E+00	1.68100E+00
11	1.51000E+00	1.56000E+00
12	1.48000E+00	1.51000E+00
13	1.36000E+00	1.48000E+00
14	1.35700E+00	1.36000E+00
15	1.29000E+00	1.35700E+00
16	1.20800E+00	1.29000E+00
17	1.17000E+00	1.20800E+00
18	1.10000E+00	1.17000E+00
19	1.03000E+00	1.10000E+00
20	9.98000E-01	1.03000E+00
21	9.65000E-01	9.98000E-01
22	9.60000E-01	9.65000E-01
23	9.12000E-01	9.60000E-01
24	9.10000E-01	9.12000E-01
25	7.90000E-01	9.10000E-01
26	7.70000E-01	7.90000E-01
27	7.55000E-01	7.70000E-01
28	7.30000E-01	7.55000E-01
29	7.20000E-01	7.30000E-01
30	6.80000E-01	7.20000E-01
31	6.70000E-01	6.80000E-01
32	6.00000E-01	6.70000E-01
33	6.00000E-01	6.00000E-01
34	5.20000E-01	6.00000E-01
35	5.00000E-01	5.20000E-01
36	4.60000E-01	5.00000E-01
37	4.06000E-01	4.60000E-01
38	3.40000E-01	4.06000E-01
39	3.37000E-01	3.40000E-01
40	3.00000E-01	3.37000E-01
41	2.56000E-01	3.00000E-01
42	2.00000E-01	2.56000E-01
43	1.00000E-01	2.00000E-01
44	5.00000E-02	1.00000E-01
45	1.00000E-02	5.00000E-02

TABLE III. GAMMA RAYS FROM DECAY OF U-238: DATA FROM REF. 8, TABLE VI.

(gammas per disintegration)

<u>Energy Interval (Mev)</u>	<u>Bi-214</u>	<u>Pb-214</u>	<u>Th-234</u>	<u>Ra-226</u>	<u>U-235</u>	<u>Pa-234M</u>	<u>Pb-210</u>	<u>Total</u>
.02-.035								
.035-.05								
.05-.075								
.075-.125								
.125-.175								
.175-.25								
.25-.4		.529						.529
.4-.9	.43							.43
.9-1.35	.201							.201
1.35-1.8	.193							.193
1.8-2.2								
2.2-2.6	.062							.062
2.6-3.0								
Total	.886	.529						1.415
Data from Ref. 8 Table II	1.30	.60	.08	.04			.04	2.06

TABLE IV. GAMMA RAYS FROM DECAY OF U-238: DATA FROM NUCLEAR DATA
TABLES (Ref. 4)
(gammas per disintegration)

Energy Interval (Mev)	Bi-214	Pb-214	Th-234	Ra-226	U-235	Pa-234M	Pb-210	X _L -Bi	Total
.02-.035									
.035-.05									
.05-.075									
.075-.125								.223	
.125-.175									
.175-.25		.254							
.25-.4		.350							
.4-.9	.48								
.9-1.35	.204								
1.35-1.8	.166								
1.8-2.2									
2.2-2.6	.054								
2.6-3.0									
Total	.904	.604						.223	1.731

Note: X_L-Bi gives off 0.0184 Mev gammas with an intensity of 0.14

TABLE V. GAMMA RAYS FROM DECAY OF U-238: DATA FROM REF. 2.

(gammas per disintegration)

Energy Interval (Mev)	Bi-214	Pb-214	Th-234	Ra-226	U-235	Pa-234M	Pb-210	Total
.02-.035	.03							
.035-.05	.04							
.05-.075	.06	5.59-3	3.67-2			2.20-2	4.77-2	
.075-.125	.1		3.72-2		2.75-2			
.125-1.75	.15				1.59-1			
.175-.25	.2	9.05-2		5.01-2	1.13-1			
.25-.4	.3	.589		8.67-5				
.4-.9	.63			7.10-5		9.52-3		
.9-1.35	1.10					5.57-3		
1.35-1.8	1.55							
1.8-2.2	1.99							
2.2-2.6	2.38							
2.6-3.0	2.75							
Total	1.4271	.6851	.0739	.0503	.2995	.0371	.0477	2.6207

TABLE VI. GAMMA RAYS FROM DECAY OF U-238: DATA FROM REFS. 7

(gammas per disintegration)

<u>Energy Interval (Mev)</u>	<u>Bi-214</u>	<u>Pb-214</u>	<u>Th-234</u>	<u>Ra-226</u>	<u>U-235</u>	<u>Pa-234M</u>	<u>Pb-210</u>	<u>Total</u>
.02-.035								
.035-.05								
.05-.075			.0569					
.075-.125			.0670					
.125-.175								
.175-.25		.076		.039	.0252			
.25-.4		.550						
.4-.9	0.501	.0086						
.9-1.35	0.274							
1.35-1.8	0.3319					.0083		
1.8-2.2	0.0360							
2.2-2.6	0.0695							
2.6-3.0								
Total	1.2124	0.6446	0.1239	.039	.0252	.0083		2.0534

TABLE VII. GAMMA RAYS FROM DECAY OF URANIUM: DATA FROM REF. 9

(gammas per disintegration)

E(Mev)Range	Bi-214	Pb-214	Th-234	Ra-226	U-235	Pa-234	Pb-210	Pb-211	Ra-223	Po-214	UNK
.02-.035											
.035-.05											
.05-.075											
.075-.125											
.125-.175											
.175-.25											
.25-.4	.00643	.40298				.00063			.00055		.00727
.4-.9	.57703	.02727				.01375		.0019		.00044	.00729
.9-1.35	.30033	.00124				.0083					.00206
1.35-1.80	.33829					.00014					.00082
1.80-2.20	.04317										.00328
2.20-2.60	.0747										.00159
2.60-3.0	.001146										.0001
Total	1.341096	.43149				.02282		.0019	.00055	.00044	.02241 1.820706

TABLE VIII. GAMMA RAYS FROM DECAY OF Th-232: DATA FROM NUCLEAR DATA TABLES (Ref. 4)

Energy Interval (Mev)	Ac-228	Th-228	Ra-224	Pb-212	Bi-212	Tl-208	Rn-220	Total
.02-.035								
.035-.05								
.05-.075								
.075-.125								
.125-.175								
.175-.25								
.25-.4	.11			.40				
.4-.9					.411	.38	.44	
.9-1.35	.57	.063						
1.35-1.80	.056							
1.80-2.20								
2.20-2.60								
2.60-3.0						.3593		
Total	.7360	.063		.40	.411	.7393	.44	2.7893

TABLE IX. GAMMA RAYS FROM DECAY OF Th-232: DATA FROM REF. 2.

(gammas per disintegration)

Energy Bounds (Mev)	Mid- Energy (Mev)	AC-228	Th-228	RA-224	Pb-212	Bi-212	Tl-208	Total
.02-.035	.03							
.035-.05	.04							
.05-.075	.06							
.075-.125	.1		2.35-1		5.17-2			
.125-.175	.15		3.31-3		9.71-1			
.175-.25	.2		3.35-3	4.46-2	4.06-1			
.25-.4	.3	1.70-1		9.67-5	1.32-3			
.4-.9	.63			1.68-4		3.90-1	1.15+0	
.9-1.35	1.10	3.81-1				2.57-2		
1.35-1.8	1.55					1.32-2		
1.8-2.2	1.99					6.37-3		
2.2-2.6	2.38							
2.6-3.0	2.75						9.51-1	
Total		0.5510	0.2417	0.0449	1.4300	0.4353	2.1010	4.8039

TABLE X. GAMMA RAYS FROM DECAY OF Th-232: DATA FROM REF. 8

Data from Table VII of Ref. 3
(gammas per disintegration)

Energy Interval (Mev)	AC-228	Th-232	Ra-224	Pb-212	Bi-212	Tl-208	Rn-220	Total
.02-.035								
.035-.05								
.05-.075								
.075-.125								
.125-.175								
.175-.25				.45				
.25-.4	.123							
.4-.9					.07	.390		
.9-1.35	.52							
1.35-1.80	.046							
1.80-2.20								
2.20-2.60								
2.60-3.0						.359		
Total	.689			.45	.07	.7490		1.958
Data from Table III of Ref. 8	.68	.02	.04	.52	.12	2.3		3.68

TABLE XI. GAMMA RAYS FROM DECAY OF THORIUM: DATA FROM REF. 9

(gammas per disintegration)									
E(Mev) Ranges	AC-228	Th-228	Ra-224	Pb-212	Bi-212	Ti-208	Rn-220	UNK	Total
.02-.035									
.035-.05									
.05-.075									
.075-.125									
.125-.175									
.175-.25									
.25-.4	.19002			.0348		.0228		.00506	
.4-.9	.26758				.1290	.3050	.0012		
.9-1.35	.4911				.0054	.0015		.0028	
1.35-1.80	.0908				.0147				
1.80-2.20									
2.20-2.60									
2.60-3.00						.36			
Total	1.0395			.0348	.1491	.6893	.0012	.00786	1.92176

TABLE XII. DECAY GAMMA RAY ENERGY SPECTRA FOR
NATURAL URANIUM AND THORIUM IN A
45 ENERGY GROUP STRUCTURE

Energy Interval (Mev)	NATURAL URANIUM (photons/100 decays of U-238)			THORIUM (photons/100 decays of Th-232)		
	9	References 6	7	9	References 6	7
3.080-2.996	.031					
2.410	1.7406	1.540	1.65	36.0	35.93	35.93
2.380						
2.330	.1200					
2.010	7.4990	6.50	6.6			
1.900					.135	
1.860	.4940	.410			.136	
1.670	21.9550	21.50	22.2		.734	
1.661	1.1400	1.15	1.16	.180	.209	
1.556	1.420	1.32	.73	7.910	9.048	3.72
1.510	.8040	.76			.480	
1.480	2.200	2.19	2.20	.480	1.650	
1.360	8.9420	8.70	9.20	.900	1.154	
1.357				.140	.029	
1.290	.1180	.120			.055	
1.208	7.570	7.420	7.60	.700	.909	
1.170	.5480	.460			.035	
1.100	17.685	16.99	16.70	.470	.683	
1.030	.7480	.610		1.140	1.332	
.998	.8300	.590	.83		.050	
.969				.190	.338	
.960	.3800	.380		20.400	22.910	23.79
.912	3.190	3.190	3.10	.280	.831	
.910				26.90	29.000	29.98
.790	2.3390	2.240	1.10	13.140	14.289	9.17
.770	1.3990	1.176	.86	10.420	3.377	
.755	5.2790	5.120	4.80	1.570	1.749	
.730	.9460	.130			.056	
.720	.0160			7.420	7.542	6.69
.680	1.0250	.870		.120	.437	
.670				.130	.106	
.600	48.740	47.66	44.20		.529	
.580	.3900	.360		30.030	31.065	30.97
.520	.4210	.170		1.548	1.927	
.509	.370				8.801	8.18
.460	1.4170	1.090			5.270	4.71
.406	.360	.43		5.90	2.864	
.340	41.454	38.70	36.30	.480	.566	
.337		.140		11.10	12.006	12.3
.300	.459	.520		7.116	7.642	6.93
.256	.063	21.97	19.70	6.222	7.015	3.96
.200		8.47	7.60	.350	54.388	52.78
.100		7.11	6.42		5.728	2.97
.050		36.66	12.39		68.904	15.85
.010		31.39			1.099	
.000						
Total	181.9926	278.029	205.34	191.236	341.093	248.02
Total energy (Mev)	170.7051	175.626	163.74	210.231	246.413	208.66
>0.3Mev	181.93	172.429	159.23	184.664	203.959	172.46

The gamma-ray spectra data given in Table XII from Refs. 6, 9, and 7, are denoted as LASL, SAI and BFEC data, respectively. The BFEC Data for thorium decay, as given in Table LVII of Ref. 7, is for a normalized spectrum, and we have multiplied that data by a factor of 247.793 so that the emission of the 2.6145 Mev gamma would be 35.93, in agreement with the LASL data (and the nuclear data sheets). The resulting data add up to 248.02 photons/100 decays of Th-232, which is slightly greater than 247.793 because of round off errors. For natural uranium, the SAI energy spectrum gives 181.93 gamma per 100 decays of U-238 for energies above 0.3 Mev. The LASL data gives 175.626 gammas per 100 decays of U-238 and the BFEC data gives 159.23 gammas per 100 decays. For energies above 0.01 Mev the LASL data show that the total gamma-ray energy emitted per 100 decays of U-238 is 175.626 Mev whereas the SAI and BFEC data show energy emission of 170.705 Mev and 163.741 Mev, respectively. The LASL and SAI data indicate that there are several energy intervals where gamma-ray emission occurs that are not included in the BFEC data. The greatest differences in the three spectra occur at the lower energy groups. The LASL data includes emission at the lower energies that are not included in the other two data sets.

Table XII also compares the gamma-ray emissions spectra computed by SAI, LASL and BFEC for thorium-232 after being sorted in the 45 energy group structure. As noted for natural uranium, the biggest differences in the three sets of gamma emission data for thorium occur at low energies. The total emitted energy was computed to be 210.231 Mev, 246.413 Mev and 208.663 Mev, respectively, for the SAI, LASL and BFEC spectra data for Th-232 decay.

ORNL has recently updated the gamma-ray emission library data for actinides and daughters in the ORIGEN code (Ref. 1). RRA has used the updated data of Ref. 1 to compute

the gamma-ray emission from U-235, U-238, Th-232 and natural uranium. The gamma-ray emission data for U-235, U-238, Th-232 and natural uranium in the energy group structure used in the ORIGIN code are given in Table XIII. The gamma-ray emission from natural uranium as given in Table XIII was determined from the ORIGIN data for U-235 and U-238 by use of the equation:

$$0.99290 S_{238}(E_i) + 0.0071 (T_{U-238}/T_{U-235}) S_{235}(E_i) = S_N(E_i) \quad (1)$$

where $S_{238}(E_i)$ and $S_{235}(E_i)$ are the gamma ray emissions in energy group i per decay of U-238 and per decay of U-235, respectively. $S_N(E_i)$ is the gamma-ray emission from natural uranium in energy group E_i per decay of U-238 and T_{U-235} and T_{U-238} are the half lives for U-235 and U-238, respectively.

The data in Tables XII and XIII were resorted into energy intervals having bounds that are common to both parties. The results are shown in Table XIV. The data from LASL, SAI and ORIGIN agree reasonably well for gamma-ray energies above 0.3 Mev, but differ significantly at energies below 0.3 Mev.

We believe the ORIGIN data for uranium -235, uranium -238 and thorium -232 are more accurate than the SAI or LASL data since the ORIGIN data is based on the Evaluated Nuclear Structure Data File (ENSDF) (Refs. 11 and 12). The ENSDF data have also been the source for the "Nuclear Data Sheets" (Ref. 10).

The data of Ref. 1 were obtained and used to develop the 45 energy group data used in this work. Tables XV and XVI give the results for natural uranium and thorium.

TABLE XIII. DECAY GAMMA-RAY ENERGY SPECTRA FOR U-235, U-238, Th-232
AND NATURAL URANIUM FROM ORIGIN (Ref. 1)

Energy Interval (Mev)	U-235		Th-232		U-238		Natural U	
	<u>photons</u> <u>decay</u>	<u>Mev</u> <u>decay</u>	<u>photons</u> <u>decay</u>	<u>Mev</u> <u>decay</u>	<u>photons</u> <u>decay</u>	<u>Mev</u> <u>decay</u>	<u>photons</u> <u>decay</u>	<u>Mev</u> <u>decay</u>
0-0.02	2.10+0	2.10-2	1.51+0	1.51-2	3.19+0	3.19-2	3.26+0	3.26-2
.03	3.89-1	9.73-3	1.26-1	3.15-3	4.73-1	1.18-2	4.87-1	1.22-2
.045	8.87-2	3.33-3	9.28-2	3.48-3	3.08-1	1.16-2	3.10-1	1.17-2
.07	1.35-1	7.76-3	1.21-1	6.96-3	5.32-1	3.06-2	5.34-1	3.07-2
.10	8.70-1	7.40-2	4.60-1	3.91-2	5.49-1	4.67-2	5.84-1	4.97-2
.15	2.63-1	3.29-2	5.07-2	6.34-3	1.76-1	2.20-2	1.87-1	2.33-2
.30	1.13+0	2.54-1	7.14-1	1.61-1	5.98-1	1.35-1	6.45-1	1.45-1
.45	3.97-1	1.49-1	2.26-1	8.48-2	4.56-1	1.71-1	4.71-1	1.77-1
.70	8.75-3	5.03-3	4.74-1	2.73-1	5.81-1	3.34-1	5.77-1	3.32-1
1.0	3.86-2	3.28-2	8.96-1	7.62-1	1.48-1	1.26-1	1.49-1	1.27-1
1.5	1.16-3	1.45-3	5.91-2	7.39-2	3.51-1	4.39-1	3.49-1	4.36-1
2.0	7.19-9	1.26-8	1.19-1	2.08-1	2.77-1	4.85-1	2.75-1	4.82-1
2.5	4.28-9	9.63-9	1.55-9	3.49-9	8.51-2	1.91-1	8.45-2	1.90-1
3.0	2.26-9	6.22-9	3.41-1	9.38-1	1.48-3	4.07-3	1.47-3	4.04-3
Total	5.42+0	5.91-1	5.19+0	2.57+0	7.73+0	2.04+0	7.92+0	2.05+0

TABLE XIV. COMPARISON OF ORIGEN, LASL AND SAI DECAY GAMMA-RAY ENERGY SPECTRA

Energy Interval (Mev)	U-238 (photons/100 decay of U-238)			U-235 (photons/100 decay of U-235)		Th-232 (photons/100 decay of Th-232)		
	SAI	LASL	ORIGEN	ORIGEN	LASL	SAI	LASL	ORIGEN
3.080-2.996	.0310							
2.996-2.010	9.360	8.040	8.66			36.00	35.93	34.1
2.010-1.510	25.813	25.14	27.7			8.09	10.74	11.9
1.510-1.030	37.811	36.49	35.1	.005		3.83	5.85	5.91
1.030-.720	14.379	12.66	14.8	.174	.16	80.32	80.14	89.6
.720-.460	52.262	50.150	58.1	.040		31.82	48.22	47.4
.460-.300	42.273	37.97	45.6	1.789	1.72	24.60	23.08	22.6
.300-.100	.063	31.72	77.40	6.279	5.83	6.57	67.13	76.47
.100-.050		35.66	108.10	4.530	1.0		68.90	58.11
.050-.010		30.47	397.10	11.618	.92		1.10	172.88
Total	181.99	268.30	772.56	24.435	9.63	191.23	341.09	518.97

TABLE XV. NATURAL URANIUM SPECTRUM

GROUP	UPPER LIMIT (MeV)	Photons/Decay
1	0.50000E-01	0.5452
2	0.10000E+00	0.4593
3	0.20000E+00	0.1261
4	0.25600E+00	0.8871E-01
5	0.30000E+00	0.2331
6	0.33700E+00	0.1665E-01
7	0.34000E+00	0.1670E-02
8	0.40600E+00	0.3693
9	0.46000E+00	0.8424E-02
10	0.50900E+00	0.1497E-01
11	0.52000E+00	0.2248E-02
12	0.58030E+00	0.5316E-02
13	0.60000E+00	0.5641E-02
14	0.67000E+00	0.4589
15	0.68000E+00	0.1177E-04
16	0.72000E+00	0.1250E-01
17	0.73000E+00	0.6052E-03
18	0.75500E+00	0.3013E-02
19	0.77000E+00	0.5117E-01
20	0.79000E+00	0.1452E-01
21	0.91000E+00	0.2574E-01
22	0.91200E+00	0.
23	0.96000E+00	0.3259E-01
24	0.96900E+00	0.3803E-02
25	0.99000E+00	0.4819E-03
26	0.10300E+01	0.6381E-02
27	0.11000E+01	0.7919E-02
28	0.11700E+01	0.1689
29	0.12000E+01	0.6070E-02
30	0.12900E+01	0.7382E-01
31	0.13570E+01	0.2572E-02
32	0.13800E+01	0.2530E-05
33	0.14800E+01	0.8550E-01
34	0.15100E+01	0.2208E-01
35	0.15500E+01	0.7840E-02
36	0.16610E+01	0.1397E-01
37	0.16700E+01	0.1144E-01
38	0.18600E+01	0.2169
39	0.19000E+01	0.5677E-02
40	0.20100E+01	0.6841E-03
41	0.23300E+01	0.6960E-01
42	0.23800E+01	0.3792E-03
43	0.24100E+01	0.3336E-04
44	0.29900E+01	0.1539E-01
45	0.30600E+01	0.3127E-03

TABLE XVI. THORIUM SOURCE SPECTRUM

GROUP	UPPER LIMIT (MeV)	PHOTONS/DECAY
1	0.50000E-01	0.35911E-01
2	0.10000E+00	0.48298E-01
3	0.20000E+00	0.35596E-02
4	0.25600E+00	0.58166E-01
5	0.30000E+00	0.73332E-02
6	0.33700E+00	0.80008E-02
7	0.34000E+00	0.12516E-01
8	0.40000E+00	0.63163E-03
9	0.46000E+00	0.29368E-02
10	0.50900E+00	0.53075E-02
11	0.52000E+00	0.86348E-02
12	0.58000E+00	0.18566E-02
13	0.60000E+00	0.31915E-01
14	0.67000E+00	0.55630E-03
15	0.68000E+00	0.19400E-03
16	0.72000E+00	0.55809E-03
17	0.73000E+00	0.13322E-01
18	0.75500E+00	0.58216E-04
19	0.77000E+00	0.17498E-02
20	0.79000E+00	0.44328E-02
21	0.91000E+00	0.14838E-01
22	0.91200E+00	0.30248E-01
23	0.96000E+00	0.10226E-02
24	0.96900E+00	0.23989E-01
25	0.99800E+00	0.35173E-03
26	0.10300E+01	0.83360E-04
27	0.11000E+01	0.18473E-02
28	0.11700E+01	0.71240E-03
29	0.12080E+01	0.38604E-04
30	0.12900E+01	0.93685E-03
31	0.13570E+01	0.58871E-04
32	0.13600E+01	0.30248E-04
33	0.14800E+01	0.12549E-02
34	0.15100E+01	0.17214E-02
35	0.15560E+01	0.75306E-03
36	0.16610E+01	0.10681E-01
37	0.18700E+01	0.21799E-03
38	0.18600E+01	0.90295E-03
39	0.19000E+01	0.14283E-03
40	0.20100E+01	0.13875E-03
41	0.23300E+01	0.
42	0.23800E+01	0.
43	0.24100E+01	0.71134E-11
44	0.29960E+01	0.36063E-01
45	0.30800E+01	0.

2.3. Volumetric Source Strengths for Ground and Air Radon Sources

2.3.1 Uranium Ground Source

The gamma rays emitted by uranium in the ground vary because of the diffusion of the uranium daughter radon. The diffusion of radon is discussed extensively in the literature (Refs. 13, 14, 15) and will not be treated here. From Ref. 14, we can compute the radon concentration from

$$C(Z) = C_0 (0.9 + 0.1(1 - \exp \sqrt{\lambda_{Rn}/D} Z)) \quad (1)$$

where C_0 = radon concentration at $Z=\infty$; atoms/cm³

λ_{Rn} = decay constant for radon, sec⁻¹;

D = diffusion coefficient for soil-air, cm²/sec.

The gamma-ray energy spectrum for uranium was modified to account for diffusion of radon in the ground to yield a space and energy dependent source strength for use in the radiation transport calculations.

The radon concentration deep in the ground, C_0 , depends on the concentration of uranium in the ground. The radon concentration used in this work is based on the work in Ref. 13 for $\lambda C_0 = 2.966$ decays/cm³ sec for a uranium concentration of 111 parts per million (PPM). Radon source energy spectra for uranium concentrations of 3.2, 200 and 800PPM were obtained as simple multiples of the 111 PPM results.

Table XVII shows the spatial and energy distribution of the gamma rays emitted by uranium source in the sandstone ore body, accounting for the diffusion of radon, for a uranium source strength of 3.2 PPM. Each of the 72 source layers in the sandstone ore body, indicated by the INT values in Table XVII,

were 1.71099 cm in thickness. The source layer interval numbers start at the bottom of the sandstone ore body. The top of the ore body is at ground level (upper bound of INT.=72). The energy group number, G, is indicated at the top of each column in Table XVII. Table II gives the bounds of each of the 45 energy intervals. The units of the data in Table XVII are photons/cm³sec.

TABLE XVII. GAMMA-RAY SOURCE IN SANDSTONE FOR URANIUM CONCENTRATION OF 3.2PPM

G = ENERGY GROUP NUMBER; INT.= SPATIAL INTERVAL NUMBER

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 0								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.56811E-05	1.26367E-03	2.78860E-06	3.11435E-05	5.71504E-03	5.64705E-05	4.68719E-04	1.78108E-02
2	2.56575E-05	1.26300E-03	2.78712E-06	3.11268E-05	5.71202E-03	5.64440E-05	4.68477E-04	1.78013E-02
3	2.56536E-05	1.26232E-03	2.78562E-06	3.11101E-05	5.70894E-03	5.64172E-05	4.68232E-04	1.77918E-02
4	2.56397E-05	1.26163E-03	2.78411E-06	3.10931E-05	5.70583E-03	5.63899E-05	4.65988E-04	1.77821E-02
5	2.56258E-05	1.26094E-03	2.78258E-06	3.10761E-05	5.70270E-03	5.63626E-05	4.65737E-04	1.77724E-02
6	2.56113E-05	1.26024E-03	2.78103E-06	3.10589E-05	5.69953E-03	5.63346E-05	4.65484E-04	1.77625E-02
7	2.55969E-05	1.25953E-03	2.77946E-06	3.10413E-05	5.69631E-03	5.63067E-05	4.65228E-04	1.77525E-02
8	2.55823E-05	1.25881E-03	2.77788E-06	3.10237E-05	5.69306E-03	5.62782E-05	4.64969E-04	1.77424E-02
9	2.55676E-05	1.25808E-03	2.77627E-06	3.10056E-05	5.68978E-03	5.62495E-05	4.64707E-04	1.77322E-02
10	2.55526E-05	1.25735E-03	2.77465E-06	3.09875E-05	5.68647E-03	5.62207E-05	4.64445E-04	1.77219E-02
11	2.55375E-05	1.25661E-03	2.77302E-06	3.09694E-05	5.68310E-03	5.61911E-05	4.64177E-04	1.77114E-02
12	2.55223E-05	1.25586E-03	2.77136E-06	3.09509E-05	5.67970E-03	5.61614E-05	4.63907E-04	1.77009E-02
13	2.55068E-05	1.25510E-03	2.76969E-06	3.09322E-05	5.67628E-03	5.61315E-05	4.63634E-04	1.76902E-02
14	2.54913E-05	1.25433E-03	2.76799E-06	3.09132E-05	5.67283E-03	5.61013E-05	4.63357E-04	1.76794E-02
15	2.54755E-05	1.25356E-03	2.76628E-06	3.08942E-05	5.66931E-03	5.60705E-05	4.63078E-04	1.76685E-02
16	2.54596E-05	1.25277E-03	2.76455E-06	3.08747E-05	5.66575E-03	5.60394E-05	4.62796E-04	1.76575E-02
17	2.54434E-05	1.25199E-03	2.76280E-06	3.08551E-05	5.66218E-03	5.60080E-05	4.62511E-04	1.76463E-02
18	2.54271E-05	1.25118E-03	2.76103E-06	3.08355E-05	5.65855E-03	5.59764E-05	4.62221E-04	1.76350E-02
19	2.54107E-05	1.25037E-03	2.75924E-06	3.08154E-05	5.65487E-03	5.59444E-05	4.61930E-04	1.76236E-02
20	2.53940E-05	1.24955E-03	2.75743E-06	3.07953E-05	5.65116E-03	5.59119E-05	4.61634E-04	1.76121E-02
21	2.53772E-05	1.24872E-03	2.75560E-06	3.07748E-05	5.64742E-03	5.58791E-05	4.61334E-04	1.76004E-02
22	2.53601E-05	1.24788E-03	2.75376E-06	3.07541E-05	5.64362E-03	5.58460E-05	4.61035E-04	1.75886E-02
23	2.53429E-05	1.24703E-03	2.75188E-06	3.07334E-05	5.63979E-03	5.58123E-05	4.60730E-04	1.75767E-02
24	2.53255E-05	1.24617E-03	2.74999E-06	3.07121E-05	5.63591E-03	5.57784E-05	4.60419E-04	1.75647E-02
25	2.53078E-05	1.24531E-03	2.74808E-06	3.06908E-05	5.63199E-03	5.57442E-05	4.60109E-04	1.75525E-02
26	2.52901E-05	1.24443E-03	2.74615E-06	3.06692E-05	5.62802E-03	5.57096E-05	4.59792E-04	1.75401E-02
27	2.52720E-05	1.24354E-03	2.74419E-06	3.06473E-05	5.62402E-03	5.56745E-05	4.59472E-04	1.75277E-02
28	2.52538E-05	1.24265E-03	2.74221E-06	3.06252E-05	5.61996E-03	5.56391E-05	4.59150E-04	1.75151E-02
29	2.52354E-05	1.24174E-03	2.74022E-06	3.06030E-05	5.61588E-03	5.56031E-05	4.58825E-04	1.75023E-02
30	2.52168E-05	1.24083E-03	2.73819E-06	3.05803E-05	5.61173E-03	5.55672E-05	4.58494E-04	1.74895E-02
31	2.51980E-05	1.23990E-03	2.73615E-06	3.05576E-05	5.60753E-03	5.55303E-05	4.58160E-04	1.74764E-02
32	2.51789E-05	1.23896E-03	2.73408E-06	3.05345E-05	5.60330E-03	5.54932E-05	4.57824E-04	1.74633E-02
33	2.51597E-05	1.23802E-03	2.73199E-06	3.05112E-05	5.59901E-03	5.54558E-05	4.57484E-04	1.74499E-02
34	2.51402E-05	1.23706E-03	2.72988E-06	3.04876E-05	5.59470E-03	5.54181E-05	4.57139E-04	1.74365E-02
35	2.51206E-05	1.23609E-03	2.72774E-06	3.04637E-05	5.59032E-03	5.53798E-05	4.56790E-04	1.74229E-02
36	2.51008E-05	1.23511E-03	2.72558E-06	3.04396E-05	5.58588E-03	5.53410E-05	4.56437E-04	1.74091E-02
37	2.50809E-05	1.23412E-03	2.72340E-06	3.04151E-05	5.58140E-03	5.53018E-05	4.56083E-04	1.73952E-02
38	2.50602E-05	1.23312E-03	2.72119E-06	3.03904E-05	5.57688E-03	5.52621E-05	4.55720E-04	1.73811E-02
39	2.50396E-05	1.23211E-03	2.71896E-06	3.03656E-05	5.57231E-03	5.52221E-05	4.55357E-04	1.73669E-02
40	2.50188E-05	1.23108E-03	2.71670E-06	3.03403E-05	5.56768E-03	5.51818E-05	4.54989E-04	1.73524E-02

TABLE XVII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G-GROUP NO.								
INT.	G=H 1	G=H 2	G=H 3	G=H 4	G=H 5	G=H 6	G=H 7	G=H 8
41	2.49978E-05	1.23005E-03	2.71441E-06	3.03147E-05	5.56298E-03	5.51407E-05	4.54615E-04	1.73379E-02
42	2.49765E-05	1.22900E-03	2.71211E-06	3.02891E-05	5.55827E-03	5.50955E-05	4.54238E-04	1.73232E-02
43	2.49550E-05	1.22794E-03	2.70977E-06	3.02629E-05	5.55349E-03	5.50575E-05	4.53858E-04	1.73083E-02
44	2.49333E-05	1.22687E-03	2.70741E-06	3.02364E-05	5.54863E-03	5.50152E-05	4.53472E-04	1.72932E-02
45	2.49113E-05	1.22579E-03	2.70502E-06	3.02099E-05	5.54373E-03	5.49726E-05	4.53084E-04	1.72780E-02
46	2.48891E-05	1.22470E-03	2.70261E-06	3.01829E-05	5.53881E-03	5.49252E-05	4.52690E-04	1.72627E-02
47	2.48668E-05	1.22359E-03	2.70017E-06	3.01555E-05	5.53380E-03	5.48854E-05	4.52293E-04	1.72471E-02
48	2.48439E-05	1.22247E-03	2.69770E-06	3.01282E-05	5.52874E-03	5.48414E-05	4.51890E-04	1.72314E-02
49	2.48209E-05	1.22134E-03	2.69521E-06	3.01003E-05	5.52362E-03	5.47955E-05	4.51481E-04	1.72155E-02
50	2.47976E-05	1.22020E-03	2.69268E-06	3.00721E-05	5.51844E-03	5.47513E-05	4.51070E-04	1.71994E-02
51	2.47741E-05	1.21904E-03	2.69013E-06	3.00436E-05	5.51323E-03	5.47096E-05	4.50652E-04	1.71831E-02
52	2.47504E-05	1.21788E-03	2.68755E-06	3.00148E-05	5.50793E-03	5.46553E-05	4.50232E-04	1.71667E-02
53	2.47264E-05	1.21669E-03	2.68495E-06	2.99857E-05	5.50258E-03	5.46126E-05	4.49806E-04	1.71500E-02
54	2.47021E-05	1.21550E-03	2.68231E-06	2.99561E-05	5.49720E-03	5.45654E-05	4.49377E-04	1.71332E-02
55	2.46779E-05	1.21429E-03	2.67964E-06	2.99265E-05	5.49170E-03	5.45177E-05	4.48943E-04	1.71162E-02
56	2.46527E-05	1.21307E-03	2.67695E-06	2.98963E-05	5.48621E-03	5.44653E-05	4.48503E-04	1.70991E-02
57	2.46276E-05	1.21183E-03	2.67422E-06	2.98658E-05	5.48059E-03	5.44204E-05	4.48056E-04	1.70817E-02
58	2.46022E-05	1.21058E-03	2.67146E-06	2.98350E-05	5.47495E-03	5.43709E-05	4.47608E-04	1.70641E-02
59	2.45765E-05	1.20932E-03	2.66868E-06	2.98039E-05	5.46926E-03	5.43211E-05	4.47153E-04	1.70464E-02
60	2.45505E-05	1.20804E-03	2.66586E-06	2.97725E-05	5.46347E-03	5.42705E-05	4.46693E-04	1.70284E-02
61	2.45243E-05	1.20675E-03	2.66301E-06	2.97406E-05	5.45763E-03	5.42195E-05	4.46229E-04	1.70102E-02
62	2.44978E-05	1.20544E-03	2.66013E-06	2.97083E-05	5.45170E-03	5.41677E-05	4.45757E-04	1.69918E-02
63	2.44709E-05	1.20412E-03	2.65721E-06	2.96758E-05	5.44575E-03	5.41156E-05	4.45283E-04	1.69733E-02
64	2.44438E-05	1.20279E-03	2.65427E-06	2.96430E-05	5.43970E-03	5.40627E-05	4.44802E-04	1.69545E-02
65	2.44164E-05	1.20144E-03	2.65129E-06	2.96096E-05	5.43360E-03	5.40052E-05	4.44316E-04	1.69355E-02
66	2.43886E-05	1.20007E-03	2.64827E-06	2.95760E-05	5.42742E-03	5.39554E-05	4.43823E-04	1.69163E-02
67	2.43605E-05	1.19869E-03	2.64523E-06	2.95420E-05	5.42117E-03	5.39007E-05	4.43326E-04	1.68959E-02
68	2.43322E-05	1.19730E-03	2.64215E-06	2.95075E-05	5.41487E-03	5.38454E-05	4.42825E-04	1.68772E-02
69	2.43035E-05	1.19588E-03	2.63904E-06	2.94726E-05	5.40848E-03	5.37896E-05	4.42316E-04	1.68574E-02
70	2.42745E-05	1.19446E-03	2.63589E-06	2.94376E-05	5.40204E-03	5.37332E-05	4.41803E-04	1.68373E-02
71	2.42452E-05	1.19302E-03	2.63270E-06	2.94022E-05	5.39550E-03	5.36762E-05	4.41283E-04	1.68170E-02
72	2.42155E-05	1.19156E-03	2.62948E-06	2.93662E-05	5.38891E-03	5.36184E-05	4.40759E-04	1.67965E-02
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XVII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO.

N= 8

INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	9.39236E-04	1.14786E-03	5.44564E-04	1.81322E-03	7.02210E-03	2.17641E-07	2.11558E-04	6.06241E-03
2	9.38738E-04	1.14725E-03	3.44230E-04	1.81225E-03	7.01839E-03	2.17641E-07	2.11450E-04	6.05919E-03
3	9.38234E-04	1.14664E-03	3.43893E-04	1.81128E-03	7.01462E-03	2.17641E-07	2.11341E-04	6.05594E-03
4	9.37725E-04	1.14602E-03	3.43551E-04	1.81030E-03	7.01082E-03	2.17641E-07	2.11230E-04	6.05263E-03
5	9.37210E-04	1.14539E-03	3.43206E-04	1.80930E-03	7.00696E-03	2.17641E-07	2.11119E-04	6.04932E-03
6	9.36689E-04	1.14476E-03	3.42858E-04	1.80830E-03	7.00308E-03	2.17641E-07	2.11006E-04	6.04599E-03
7	9.36182E-04	1.14411E-03	3.42504E-04	1.80728E-03	6.99914E-03	2.17641E-07	2.10892E-04	6.04255E-03
8	9.35627E-04	1.14347E-03	3.42147E-04	1.80625E-03	6.99516E-03	2.17641E-07	2.10776E-04	6.03910E-03
9	9.35089E-04	1.14281E-03	3.41784E-04	1.80521E-03	6.99113E-03	2.17641E-07	2.10660E-04	6.03562E-03
10	9.34545E-04	1.14215E-03	3.41421E-04	1.80416E-03	6.98708E-03	2.17641E-07	2.10542E-04	6.03211E-03
11	9.33995E-04	1.14148E-03	3.41050E-04	1.80310E-03	6.98296E-03	2.17641E-07	2.10423E-04	6.02854E-03
12	9.33437E-04	1.14080E-03	3.40679E-04	1.80202E-03	6.97879E-03	2.17641E-07	2.10302E-04	6.02494E-03
13	9.32876E-04	1.14011E-03	3.40299E-04	1.80094E-03	6.97459E-03	2.17641E-07	2.10180E-04	6.02132E-03
14	9.32306E-04	1.13942E-03	3.39919E-04	1.79984E-03	6.97033E-03	2.17641E-07	2.10057E-04	6.01763E-03
15	9.31731E-04	1.13872E-03	3.39534E-04	1.79873E-03	6.96604E-03	2.17641E-07	2.09932E-04	6.01392E-03
16	9.31149E-04	1.13801E-03	3.39142E-04	1.79761E-03	6.96170E-03	2.17641E-07	2.09806E-04	6.01015E-03
17	9.30559E-04	1.13729E-03	3.38748E-04	1.79647E-03	6.95729E-03	2.17641E-07	2.09679E-04	6.00635E-03
18	9.29964E-04	1.13657E-03	3.38348E-04	1.79532E-03	6.95286E-03	2.17641E-07	2.09550E-04	6.00250E-03
19	9.29362E-04	1.13584E-03	3.37945E-04	1.79416E-03	6.94837E-03	2.17641E-07	2.09420E-04	5.99861E-03
20	9.28755E-04	1.13510E-03	3.37537E-04	1.79298E-03	6.94383E-03	2.17641E-07	2.09288E-04	5.99470E-03
21	9.28139E-04	1.13435E-03	3.37125E-04	1.79179E-03	6.93922E-03	2.17641E-07	2.09155E-04	5.99070E-03
22	9.27518E-04	1.13359E-03	3.36708E-04	1.79059E-03	6.93459E-03	2.17641E-07	2.09020E-04	5.98670E-03
23	9.26887E-04	1.13282E-03	3.36288E-04	1.78938E-03	6.92987E-03	2.17641E-07	2.08884E-04	5.98264E-03
24	9.26252E-04	1.13205E-03	3.35862E-04	1.78815E-03	6.92512E-03	2.17641E-07	2.08748E-04	5.97852E-03
25	9.25610E-04	1.13127E-03	3.35430E-04	1.78691E-03	6.92031E-03	2.17641E-07	2.08607E-04	5.97438E-03
26	9.24960E-04	1.13048E-03	3.34993E-04	1.78566E-03	6.91548E-03	2.17641E-07	2.08466E-04	5.97018E-03
27	9.24300E-04	1.12968E-03	3.34552E-04	1.78439E-03	6.91056E-03	2.17641E-07	2.08324E-04	5.96592E-03
28	9.23636E-04	1.12887E-03	3.34106E-04	1.78310E-03	6.90558E-03	2.17641E-07	2.08180E-04	5.96163E-03
29	9.22965E-04	1.12805E-03	3.33657E-04	1.78181E-03	6.90057E-03	2.17641E-07	2.08035E-04	5.95729E-03
30	9.22286E-04	1.12722E-03	3.33200E-04	1.78049E-03	6.89548E-03	2.17641E-07	2.07887E-04	5.95289E-03
31	9.21598E-04	1.12638E-03	3.32739E-04	1.77917E-03	6.89036E-03	2.17641E-07	2.07739E-04	5.94845E-03
32	9.20902E-04	1.12554E-03	3.32273E-04	1.77783E-03	6.88517E-03	2.17641E-07	2.07588E-04	5.94397E-03
33	9.20200E-04	1.12468E-03	3.31801E-04	1.77647E-03	6.87991E-03	2.17641E-07	2.07436E-04	5.93942E-03
34	9.19489E-04	1.12382E-03	3.31327E-04	1.77510E-03	6.87462E-03	2.17641E-07	2.07282E-04	5.93484E-03
35	9.18772E-04	1.12294E-03	3.30846E-04	1.77371E-03	6.86923E-03	2.17641E-07	2.07126E-04	5.93018E-03
36	9.18044E-04	1.12206E-03	3.30357E-04	1.77231E-03	6.86383E-03	2.17641E-07	2.06969E-04	5.92549E-03
37	9.17310E-04	1.12116E-03	3.29865E-04	1.77089E-03	6.85833E-03	2.17641E-07	2.06810E-04	5.92074E-03
38	9.16568E-04	1.12026E-03	3.29367E-04	1.76946E-03	6.85277E-03	2.17641E-07	2.06649E-04	5.91597E-03
39	9.15817E-04	1.11935E-03	3.28863E-04	1.76801E-03	6.84716E-03	2.17641E-07	2.06487E-04	5.91110E-03
40	9.15057E-04	1.11842E-03	3.28354E-04	1.76654E-03	6.84149E-03	2.17641E-07	2.06322E-04	5.90618E-03

TABLE XVII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO.

N= 8

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	9.14289E-04	1.11749E-03	6.27839E-04	1.76506E-03	6.83577E-03	2.17641E-07	2.06156E-04	5.90123E-03
42	9.13612E-04	1.11654E-03	6.27321E-04	1.76356E-03	6.82998E-03	2.17641E-07	2.05988E-04	5.89622E-03
43	9.12728E-04	1.11559E-03	6.26794E-04	1.76205E-03	6.82411E-03	2.17641E-07	2.05818E-04	5.89116E-03
44	9.11835E-04	1.11462E-03	6.26262E-04	1.76051E-03	6.81818E-03	2.17641E-07	2.05646E-04	5.88601E-03
45	9.11132E-04	1.11365E-03	6.25724E-04	1.75895E-03	6.81217E-03	2.17641E-07	2.05472E-04	5.88083E-03
46	9.10321E-04	1.11266E-03	6.25180E-04	1.75740E-03	6.80613E-03	2.17641E-07	2.05297E-04	5.87559E-03
47	9.09500E-04	1.11166E-03	6.24630E-04	1.75581E-03	6.80000E-03	2.17641E-07	2.05119E-04	5.87029E-03
48	9.08669E-04	1.11065E-03	6.24072E-04	1.75421E-03	6.79378E-03	2.17641E-07	2.04939E-04	5.86491E-03
49	9.07831E-04	1.10962E-03	6.23511E-04	1.75259E-03	6.78753E-03	2.17641E-07	2.04758E-04	5.85951E-03
50	9.06982E-04	1.10859E-03	6.22941E-04	1.75095E-03	6.78118E-03	2.17641E-07	2.04574E-04	5.85404E-03
51	9.06125E-04	1.10755E-03	6.22365E-04	1.74930E-03	6.77479E-03	2.17641E-07	2.04388E-04	5.84848E-03
52	9.05259E-04	1.10649E-03	6.21784E-04	1.74762E-03	6.76831E-03	2.17641E-07	2.04201E-04	5.84287E-03
53	9.04381E-04	1.10542E-03	6.21197E-04	1.74593E-03	6.76175E-03	2.17641E-07	2.04011E-04	5.83720E-03
54	9.03494E-04	1.10434E-03	6.20601E-04	1.74422E-03	6.75513E-03	2.17641E-07	2.03819E-04	5.83148E-03
55	9.02597E-04	1.10325E-03	6.20000E-04	1.74249E-03	6.74843E-03	2.17641E-07	2.03625E-04	5.82569E-03
56	9.01690E-04	1.10215E-03	6.19393E-04	1.74074E-03	6.74167E-03	2.17641E-07	2.03428E-04	5.81982E-03
57	9.00772E-04	1.10103E-03	6.18780E-04	1.73897E-03	6.73481E-03	2.17641E-07	2.03230E-04	5.81392E-03
58	8.99846E-04	1.09990E-03	6.18158E-04	1.73718E-03	6.72788E-03	2.17641E-07	2.03029E-04	5.80791E-03
59	8.98910E-04	1.09876E-03	6.17528E-04	1.73537E-03	6.72089E-03	2.17641E-07	2.02826E-04	5.80186E-03
60	8.97961E-04	1.09761E-03	6.16892E-04	1.73354E-03	6.71381E-03	2.17641E-07	2.02621E-04	5.79573E-03
61	8.97002E-04	1.09645E-03	6.16250E-04	1.73169E-03	6.70664E-03	2.17641E-07	2.02413E-04	5.78954E-03
62	8.96033E-04	1.09527E-03	6.15600E-04	1.72982E-03	6.69942E-03	2.17641E-07	2.02204E-04	5.78330E-03
63	8.95054E-04	1.09407E-03	6.14944E-04	1.72793E-03	6.69208E-03	2.17641E-07	2.01991E-04	5.77697E-03
64	8.94064E-04	1.09287E-03	6.14279E-04	1.72602E-03	6.68469E-03	2.17641E-07	2.01777E-04	5.77055E-03
65	8.93063E-04	1.09165E-03	6.13608E-04	1.72408E-03	6.67720E-03	2.17641E-07	2.01560E-04	5.76408E-03
66	8.92050E-04	1.09041E-03	6.12929E-04	1.72213E-03	6.66964E-03	2.17641E-07	2.01340E-04	5.75755E-03
67	8.91025E-04	1.08916E-03	6.12241E-04	1.72015E-03	6.66198E-03	2.17641E-07	2.01119E-04	5.75093E-03
68	8.89990E-04	1.08790E-03	6.11548E-04	1.71815E-03	6.65427E-03	2.17641E-07	2.00895E-04	5.74422E-03
69	8.88942E-04	1.08663E-03	6.10846E-04	1.71613E-03	6.64644E-03	2.17641E-07	2.00668E-04	5.73746E-03
70	8.87883E-04	1.08534E-03	6.10135E-04	1.71409E-03	6.63853E-03	2.17641E-07	2.00439E-04	5.73064E-03
71	8.86813E-04	1.08404E-03	6.09418E-04	1.71202E-03	6.63053E-03	2.17641E-07	2.00207E-04	5.72370E-03
72	8.85730E-04	1.08272E-03	6.08693E-04	1.70993E-03	6.62244E-03	2.17641E-07	1.99972E-04	5.71671E-03
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XVII. (Continued)

(photons/cm ³ sec)									
DISTRIBUTED SOURCE - G=GROUP NO. N= 16									
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	4.99297E-04	1.38684E-02	6.51131E-04	5.47536E-04	4.01303E-05	3.12315E-04	2.67939E-03	0.	
2	4.99041E-04	1.38611E-02	6.50794E-04	5.47519E-04	4.01153E-05	3.12148E-04	2.67800E-03	0.	
3	4.98782E-04	1.38536E-02	6.50452E-04	5.47505E-04	4.01003E-05	3.11981E-04	2.67660E-03	0.	
4	4.98520E-04	1.38461E-02	6.50109E-04	5.47487E-04	4.00851E-05	3.11811E-04	2.67518E-03	0.	
5	4.98255E-04	1.38385E-02	6.49761E-04	5.47470E-04	4.00698E-05	3.11639E-04	2.67375E-03	0.	
6	4.97991E-04	1.38308E-02	6.49410E-04	5.47453E-04	4.00543E-05	3.11466E-04	2.67230E-03	0.	
7	4.97720E-04	1.38230E-02	6.49056E-04	5.47435E-04	4.00386E-05	3.11291E-04	2.67083E-03	0.	
8	4.97447E-04	1.38151E-02	6.48696E-04	5.47418E-04	4.00226E-05	3.11112E-04	2.66935E-03	0.	
9	4.97170E-04	1.38071E-02	6.48331E-04	5.47401E-04	4.00065E-05	3.10934E-04	2.66785E-03	0.	
10	4.96891E-04	1.37991E-02	6.47965E-04	5.47384E-04	3.99904E-05	3.10753E-04	2.66634E-03	0.	
11	4.96607E-04	1.37910E-02	6.47594E-04	5.47366E-04	3.99740E-05	3.10568E-04	2.66480E-03	0.	
12	4.96322E-04	1.37827E-02	6.47217E-04	5.47346E-04	3.99573E-05	3.10384E-04	2.66326E-03	0.	
13	4.96034E-04	1.37744E-02	6.46837E-04	5.47329E-04	3.99406E-05	3.10197E-04	2.66169E-03	0.	
14	4.95740E-04	1.37660E-02	6.46455E-04	5.47312E-04	3.99236E-05	3.10007E-04	2.66010E-03	0.	
15	4.95447E-04	1.37575E-02	6.46063E-04	5.47292E-04	3.99064E-05	3.09814E-04	2.65850E-03	0.	
16	4.95147E-04	1.37489E-02	6.45672E-04	5.47271E-04	3.98891E-05	3.09621E-04	2.65688E-03	0.	
17	4.94845E-04	1.37402E-02	6.45275E-04	5.47254E-04	3.98716E-05	3.09426E-04	2.65525E-03	0.	
18	4.94540E-04	1.37314E-02	6.44875E-04	5.47234E-04	3.98537E-05	3.09227E-04	2.65359E-03	0.	
19	4.94232E-04	1.37225E-02	6.44466E-04	5.47214E-04	3.98359E-05	3.09026E-04	2.65191E-03	0.	
20	4.93918E-04	1.37135E-02	6.44058E-04	5.47194E-04	3.98177E-05	3.08824E-04	2.65022E-03	0.	
21	4.93605E-04	1.37044E-02	6.43640E-04	5.47174E-04	3.97993E-05	3.08620E-04	2.64851E-03	0.	
22	4.93285E-04	1.36952E-02	6.43223E-04	5.47153E-04	3.97809E-05	3.08413E-04	2.64678E-03	0.	
23	4.92963E-04	1.36859E-02	6.42797E-04	5.47133E-04	3.97619E-05	3.08203E-04	2.64503E-03	0.	
24	4.92635E-04	1.36765E-02	6.42368E-04	5.47113E-04	3.97429E-05	3.07990E-04	2.64326E-03	0.	
25	4.92304E-04	1.36670E-02	6.41934E-04	5.47093E-04	3.97239E-05	3.07777E-04	2.64147E-03	0.	
26	4.91973E-04	1.36574E-02	6.41496E-04	5.47070E-04	3.97043E-05	3.07561E-04	2.63966E-03	0.	
27	4.91634E-04	1.36477E-02	6.41053E-04	5.47050E-04	3.96848E-05	3.07342E-04	2.63783E-03	0.	
28	4.91294E-04	1.36378E-02	6.40604E-04	5.47027E-04	3.96649E-05	3.07121E-04	2.63598E-03	0.	
29	4.90949E-04	1.36279E-02	6.40149E-04	5.47007E-04	3.96451E-05	3.06896E-04	2.63411E-03	0.	
30	4.90601E-04	1.36179E-02	6.39692E-04	5.46984E-04	3.96246E-05	3.06669E-04	2.63222E-03	0.	
31	4.90247E-04	1.36077E-02	6.39229E-04	5.46961E-04	3.96042E-05	3.06442E-04	2.63031E-03	0.	
32	4.89890E-04	1.35974E-02	6.38760E-04	5.46938E-04	3.95835E-05	3.06209E-04	2.62837E-03	0.	
33	4.89530E-04	1.35870E-02	6.38285E-04	5.46915E-04	3.95625E-05	3.05975E-04	2.62642E-03	0.	
34	4.89169E-04	1.35765E-02	6.37804E-04	5.46892E-04	3.95416E-05	3.05739E-04	2.62444E-03	0.	
35	4.88796E-04	1.35659E-02	6.37321E-04	5.46869E-04	3.95199E-05	3.05498E-04	2.62244E-03	0.	
36	4.88425E-04	1.35552E-02	6.36829E-04	5.46846E-04	3.94983E-05	3.05256E-04	2.62042E-03	0.	
37	4.88048E-04	1.35443E-02	6.36334E-04	5.46823E-04	3.94764E-05	3.05011E-04	2.61838E-03	0.	
38	4.87665E-04	1.35333E-02	6.35833E-04	5.46797E-04	3.94543E-05	3.04764E-04	2.61631E-03	0.	
39	4.87283E-04	1.35222E-02	6.35326E-04	5.46774E-04	3.94318E-05	3.04516E-04	2.61422E-03	0.	
40	4.86891E-04	1.35110E-02	6.34814E-04	5.46748E-04	3.94091E-05	3.04263E-04	2.61211E-03	0.	

TABLE XVII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 16								
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	4.86497E-04	1.34996E-02	6.34296E-04	5.46722E-04	3.93864E-05	3.24007E-04	2.60997E-03	0.
42	4.86100E-04	1.34882E-02	6.33772E-04	5.46699E-04	3.93631E-05	3.23748E-04	2.60781E-03	0.
43	4.85697E-04	1.34766E-02	6.33243E-04	5.46673E-04	3.93398E-05	3.23486E-04	2.60563E-03	0.
44	4.85288E-04	1.34649E-02	6.32708E-04	5.46647E-04	3.93159E-05	3.23221E-04	2.60342E-03	0.
45	4.84877E-04	1.34530E-02	6.32164E-04	5.46621E-04	3.92920E-05	3.22954E-04	2.60119E-03	0.
46	4.84463E-04	1.34410E-02	6.31617E-04	5.46592E-04	3.92678E-05	3.22683E-04	2.59893E-03	0.
47	4.84040E-04	1.34289E-02	6.31065E-04	5.46566E-04	3.92433E-05	3.22410E-04	2.59664E-03	0.
48	4.83616E-04	1.34166E-02	6.30504E-04	5.46541E-04	3.92186E-05	3.22134E-04	2.59433E-03	0.
49	4.83185E-04	1.34042E-02	6.29937E-04	5.46512E-04	3.91936E-05	3.21854E-04	2.59200E-03	0.
50	4.82750E-04	1.33916E-02	6.29364E-04	5.46486E-04	3.91682E-05	3.21572E-04	2.58964E-03	0.
51	4.82310E-04	1.33790E-02	6.28785E-04	5.46457E-04	3.91426E-05	3.21288E-04	2.58725E-03	0.
52	4.81864E-04	1.33662E-02	6.28201E-04	5.46428E-04	3.91167E-05	3.21000E-04	2.58484E-03	0.
53	4.81415E-04	1.33532E-02	6.27609E-04	5.46400E-04	3.90908E-05	3.20706E-04	2.58240E-03	0.
54	4.80960E-04	1.33401E-02	6.27010E-04	5.46371E-04	3.90644E-05	3.20410E-04	2.57993E-03	0.
55	4.80500E-04	1.33268E-02	6.26406E-04	5.46342E-04	3.90376E-05	3.20114E-04	2.57744E-03	0.
56	4.80034E-04	1.33134E-02	6.25795E-04	5.46313E-04	3.90105E-05	2.99811E-04	2.57491E-03	0.
57	4.79565E-04	1.32998E-02	6.25177E-04	5.46281E-04	3.89832E-05	2.99606E-04	2.57236E-03	0.
58	4.79087E-04	1.32862E-02	6.24550E-04	5.46253E-04	3.89556E-05	2.99196E-04	2.56978E-03	0.
59	4.78606E-04	1.32723E-02	6.23919E-04	5.46221E-04	3.89277E-05	2.98885E-04	2.56718E-03	0.
60	4.78120E-04	1.32583E-02	6.23278E-04	5.46189E-04	3.88992E-05	2.98568E-04	2.56454E-03	0.
61	4.77631E-04	1.32441E-02	6.22630E-04	5.46161E-04	3.88707E-05	2.98249E-04	2.56187E-03	0.
62	4.77133E-04	1.32298E-02	6.21977E-04	5.46129E-04	3.88416E-05	2.97927E-04	2.55917E-03	0.
63	4.76629E-04	1.32153E-02	6.21318E-04	5.46097E-04	3.88125E-05	2.97601E-04	2.55645E-03	0.
64	4.76123E-04	1.32007E-02	6.20647E-04	5.46063E-04	3.87829E-05	2.97270E-04	2.55369E-03	0.
65	4.75608E-04	1.31859E-02	6.19971E-04	5.46031E-04	3.87530E-05	2.96937E-04	2.55091E-03	0.
66	4.75087E-04	1.31709E-02	6.19289E-04	5.46000E-04	3.87226E-05	2.96600E-04	2.54809E-03	0.
67	4.74563E-04	1.31558E-02	6.18598E-04	5.45965E-04	3.86923E-05	2.96257E-04	2.54524E-03	0.
68	4.74031E-04	1.31405E-02	6.17899E-04	5.45930E-04	3.86615E-05	2.95912E-04	2.54235E-03	0.
69	4.73493E-04	1.31250E-02	6.17191E-04	5.45896E-04	3.86301E-05	2.95564E-04	2.53944E-03	0.
70	4.72952E-04	1.31093E-02	6.16478E-04	5.45861E-04	3.85987E-05	2.95213E-04	2.53649E-03	0.
71	4.72402E-04	1.30935E-02	6.15755E-04	5.45827E-04	3.85668E-05	2.94856E-04	2.53351E-03	0.
72	4.71847E-04	1.30775E-02	6.15024E-04	5.45792E-04	3.85346E-05	2.94496E-04	2.53050E-03	0.
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XVII. (Continued)

(photons/cm ³ sec)									
Ø DISTRIBUTED SOURCE - G=GROUP NO. N= 24									
Ø INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	2.12626E-03	1.19374E-03	4.21092E-03	2.50629E-04	4.97027E-05	1.03063E-03	1.01253E-06	3.76865E-02	
2	2.12528E-03	1.19312E-03	4.20879E-03	2.50534E-04	4.96765E-05	1.03013E-03	1.01253E-06	3.76666E-02	
3	2.12428E-03	1.19250E-03	4.20664E-03	2.50438E-04	4.96497E-05	1.02963E-03	1.01253E-06	3.76462E-02	
4	2.12328E-03	1.19188E-03	4.20444E-03	2.50340E-04	4.96227E-05	1.02913E-03	1.01253E-06	3.76257E-02	
5	2.12226E-03	1.19124E-03	4.20223E-03	2.50241E-04	4.95953E-05	1.02861E-03	1.01253E-06	3.76050E-02	
6	2.12123E-03	1.19060E-03	4.20002E-03	2.50142E-04	4.95680E-05	1.02810E-03	1.01253E-06	3.75843E-02	
7	2.12019E-03	1.18995E-03	4.19777E-03	2.50041E-04	4.95401E-05	1.02757E-03	1.01253E-06	3.75630E-02	
8	2.11913E-03	1.18929E-03	4.19547E-03	2.49939E-04	4.95119E-05	1.02704E-03	1.01253E-06	3.75417E-02	
9	2.11807E-03	1.18863E-03	4.19317E-03	2.49836E-04	4.94831E-05	1.02651E-03	1.01253E-06	3.75201E-02	
10	2.11700E-03	1.18796E-03	4.19084E-03	2.49732E-04	4.94543E-05	1.02597E-03	1.01253E-06	3.74983E-02	
11	2.11591E-03	1.18728E-03	4.18850E-03	2.49627E-04	4.94253E-05	1.02542E-03	1.01253E-06	3.74761E-02	
12	2.11481E-03	1.18660E-03	4.18612E-03	2.49520E-04	4.93959E-05	1.02486E-03	1.01253E-06	3.74537E-02	
13	2.11370E-03	1.18590E-03	4.18370E-03	2.49412E-04	4.93660E-05	1.02431E-03	1.01253E-06	3.74309E-02	
14	2.11257E-03	1.18520E-03	4.18125E-03	2.49304E-04	4.93358E-05	1.02374E-03	1.01253E-06	3.74082E-02	
15	2.11144E-03	1.18449E-03	4.17881E-03	2.49193E-04	4.93053E-05	1.02317E-03	1.01253E-06	3.73852E-02	
16	2.11029E-03	1.18377E-03	4.17630E-03	2.49082E-04	4.92745E-05	1.02259E-03	1.01253E-06	3.73616E-02	
17	2.10913E-03	1.18305E-03	4.17380E-03	2.48970E-04	4.92434E-05	1.02200E-03	1.01253E-06	3.73380E-02	
18	2.10795E-03	1.18231E-03	4.17124E-03	2.48856E-04	4.92117E-05	1.02141E-03	1.01253E-06	3.73141E-02	
19	2.10676E-03	1.18157E-03	4.16868E-03	2.48740E-04	4.91801E-05	1.02082E-03	1.01253E-06	3.72899E-02	
20	2.10556E-03	1.18082E-03	4.16609E-03	2.48624E-04	4.91479E-05	1.02021E-03	1.01253E-06	3.72655E-02	
21	2.10435E-03	1.18007E-03	4.16344E-03	2.48506E-04	4.91151E-05	1.01960E-03	1.01253E-06	3.72407E-02	
22	2.10311E-03	1.17930E-03	4.16079E-03	2.48388E-04	4.90822E-05	1.01898E-03	1.01253E-06	3.72157E-02	
23	2.10187E-03	1.17852E-03	4.15809E-03	2.48267E-04	4.90489E-05	1.01836E-03	1.01253E-06	3.71906E-02	
24	2.10062E-03	1.17774E-03	4.15538E-03	2.48146E-04	4.90152E-05	1.01773E-03	1.01253E-06	3.71650E-02	
25	2.09935E-03	1.17695E-03	4.15262E-03	2.48023E-04	4.89812E-05	1.01709E-03	1.01253E-06	3.71391E-02	
26	2.09806E-03	1.17615E-03	4.14983E-03	2.47898E-04	4.89467E-05	1.01644E-03	1.01253E-06	3.71130E-02	
27	2.09677E-03	1.17534E-03	4.14704E-03	2.47772E-04	4.89119E-05	1.01579E-03	1.01253E-06	3.70868E-02	
28	2.09545E-03	1.17452E-03	4.14419E-03	2.47645E-04	4.88768E-05	1.01513E-03	1.01253E-06	3.70600E-02	
29	2.09412E-03	1.17369E-03	4.14131E-03	2.47516E-04	4.88411E-05	1.01446E-03	1.01253E-06	3.70330E-02	
30	2.09278E-03	1.17285E-03	4.13840E-03	2.47387E-04	4.88051E-05	1.01378E-03	1.01253E-06	3.70056E-02	
31	2.09142E-03	1.17201E-03	4.13547E-03	2.47255E-04	4.87689E-05	1.01310E-03	1.01253E-06	3.69780E-02	
32	2.09005E-03	1.17115E-03	4.13248E-03	2.47122E-04	4.87320E-05	1.01241E-03	1.01253E-06	3.69501E-02	
33	2.08867E-03	1.17028E-03	4.12948E-03	2.46988E-04	4.86946E-05	1.01171E-03	1.01253E-06	3.69219E-02	
34	2.08726E-03	1.16941E-03	4.12643E-03	2.46852E-04	4.86572E-05	1.01100E-03	1.01253E-06	3.68934E-02	
35	2.08585E-03	1.16852E-03	4.12335E-03	2.46715E-04	4.86192E-05	1.01029E-03	1.01253E-06	3.68643E-02	
36	2.08441E-03	1.16763E-03	4.12025E-03	2.46575E-04	4.85807E-05	1.00957E-03	1.01253E-06	3.68352E-02	
37	2.08296E-03	1.16672E-03	4.11711E-03	2.46435E-04	4.85418E-05	1.00884E-03	1.01253E-06	3.68059E-02	
38	2.08149E-03	1.16581E-03	4.11394E-03	2.46293E-04	4.85024E-05	1.00810E-03	1.01253E-06	3.67760E-02	
39	2.08001E-03	1.16488E-03	4.11072E-03	2.46149E-04	4.84627E-05	1.00735E-03	1.01253E-06	3.67457E-02	
40	2.07851E-03	1.16394E-03	4.10747E-03	2.46004E-04	4.84224E-05	1.00660E-03	1.01253E-06	3.67152E-02	

TABLE XVII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 24									
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	2.07699E-03	1.16300E-03	4.10419E-03	2.45857E-04	4.83818E-05	1.00583E-03	1.01253E-06	3.66845E-02	
42	2.07546E-03	1.16204E-03	4.10088E-03	2.45709E-04	4.83407E-05	1.00506E-03	1.01253E-06	3.66531E-02	
43	2.07391E-03	1.16108E-03	4.09751E-03	2.45558E-04	4.82989E-05	1.00428E-03	1.01253E-06	3.66217E-02	
44	2.07234E-03	1.16010E-03	4.09412E-03	2.45406E-04	4.82569E-05	1.00349E-03	1.01253E-06	3.65898E-02	
45	2.07075E-03	1.15911E-03	4.09069E-03	2.45253E-04	4.82146E-05	1.00270E-03	1.01253E-06	3.65575E-02	
46	2.06915E-03	1.15811E-03	4.08721E-03	2.45098E-04	4.81714E-05	1.00189E-03	1.01253E-06	3.65250E-02	
47	2.06753E-03	1.15710E-03	4.08370E-03	2.44941E-04	4.81280E-05	1.00107E-03	1.01253E-06	3.64919E-02	
48	2.06589E-03	1.15607E-03	4.08016E-03	2.44782E-04	4.80843E-05	1.00026E-03	1.01253E-06	3.64585E-02	
49	2.06424E-03	1.15504E-03	4.07656E-03	2.44621E-04	4.80386E-05	9.99417E-04	1.01253E-06	3.64249E-02	
50	2.06256E-03	1.15400E-03	4.07283E-03	2.44459E-04	4.79947E-05	9.98574E-04	1.01253E-06	3.63909E-02	
51	2.06087E-03	1.15294E-03	4.06925E-03	2.44295E-04	4.79493E-05	9.97722E-04	1.01253E-06	3.63564E-02	
52	2.05915E-03	1.15187E-03	4.06554E-03	2.44129E-04	4.79035E-05	9.96859E-04	1.01253E-06	3.63216E-02	
53	2.05742E-03	1.15079E-03	4.06180E-03	2.43961E-04	4.78569E-05	9.95937E-04	1.01253E-06	3.62862E-02	
54	2.05567E-03	1.14970E-03	4.05800E-03	2.43792E-04	4.78100E-05	9.95107E-04	1.01253E-06	3.62508E-02	
55	2.05390E-03	1.14859E-03	4.05417E-03	2.43620E-04	4.77625E-05	9.94214E-04	1.01253E-06	3.62145E-02	
56	2.05211E-03	1.14748E-03	4.05029E-03	2.43447E-04	4.77145E-05	9.93314E-04	1.01253E-06	3.61783E-02	
57	2.05030E-03	1.14634E-03	4.04637E-03	2.43271E-04	4.76661E-05	9.92404E-04	1.01253E-06	3.61414E-02	
58	2.04847E-03	1.14520E-03	4.04240E-03	2.43094E-04	4.76169E-05	9.91480E-04	1.01253E-06	3.61040E-02	
59	2.04662E-03	1.14405E-03	4.03840E-03	2.42915E-04	4.75674E-05	9.90551E-04	1.01253E-06	3.60666E-02	
60	2.04475E-03	1.14289E-03	4.03434E-03	2.42734E-04	4.75171E-05	9.89607E-04	1.01253E-06	3.60283E-02	
61	2.04285E-03	1.14170E-03	4.03023E-03	2.42550E-04	4.74664E-05	9.88658E-04	1.01253E-06	3.59901E-02	
62	2.04094E-03	1.14051E-03	4.02609E-03	2.42365E-04	4.74149E-05	9.87693E-04	1.01253E-06	3.59509E-02	
63	2.03900E-03	1.13930E-03	4.02189E-03	2.42177E-04	4.73631E-05	9.86718E-04	1.01253E-06	3.59115E-02	
64	2.03705E-03	1.13808E-03	4.01765E-03	2.41988E-04	4.73107E-05	9.85734E-04	1.01253E-06	3.58718E-02	
65	2.03507E-03	1.13685E-03	4.01337E-03	2.41796E-04	4.72575E-05	9.84738E-04	1.01253E-06	3.58315E-02	
66	2.03307E-03	1.13560E-03	4.00905E-03	2.41602E-04	4.72040E-05	9.83731E-04	1.01253E-06	3.57909E-02	
67	2.03104E-03	1.13433E-03	4.00465E-03	2.41406E-04	4.71499E-05	9.82715E-04	1.01253E-06	3.57498E-02	
68	2.02900E-03	1.13306E-03	4.00022E-03	2.41208E-04	4.70949E-05	9.81685E-04	1.01253E-06	3.57080E-02	
69	2.02693E-03	1.13177E-03	3.99576E-03	2.41008E-04	4.70394E-05	9.80646E-04	1.01253E-06	3.56660E-02	
70	2.02484E-03	1.13046E-03	3.99121E-03	2.40805E-04	4.69832E-05	9.79593E-04	1.01253E-06	3.56234E-02	
71	2.02273E-03	1.12914E-03	3.98663E-03	2.40601E-04	4.69266E-05	9.78528E-04	1.01253E-06	3.55806E-02	
72	2.02059E-03	1.12781E-03	3.98200E-03	2.40394E-04	4.68693E-05	9.77452E-04	1.01253E-06	3.55371E-02	
73	0.	0.	0.	0.	0.	0.	0.	0.	
INT. 74 THRU INT. 168 SAME AS ABOVE									

TABLE XVII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO.

N= 32

Ø INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	4.67763E-04	4.37841E-04	1.84700E-04	1.23495E-03	7.02251E-04	3.03659E-02	1.42037E-04	1.40995E-03
2	4.67567E-04	4.37622E-04	1.84603E-04	1.23436E-03	7.02000E-04	3.03503E-02	1.42020E-04	1.40970E-03
3	4.67389E-04	4.37403E-04	1.84506E-04	1.23376E-03	7.01750E-04	3.03345E-02	1.42003E-04	1.40946E-03
4	4.67167E-04	4.37182E-04	1.84407E-04	1.23315E-03	7.01494E-04	3.03184E-02	1.41986E-04	1.40921E-03
5	4.66966E-04	4.36957E-04	1.84307E-04	1.23254E-03	7.01237E-04	3.03020E-02	1.41968E-04	1.40895E-03
6	4.66762E-04	4.36730E-04	1.84205E-04	1.23182E-03	7.00976E-04	3.02856E-02	1.41950E-04	1.40869E-03
7	4.66555E-04	4.36500E-04	1.84103E-04	1.23129E-03	7.00714E-04	3.02692E-02	1.41932E-04	1.40843E-03
8	4.66344E-04	4.36267E-04	1.84000E-04	1.23066E-03	7.00446E-04	3.02522E-02	1.41914E-04	1.40817E-03
9	4.66134E-04	4.36034E-04	1.83895E-04	1.23002E-03	7.00176E-04	3.02352E-02	1.41896E-04	1.40791E-03
10	4.65919E-04	4.35795E-04	1.83790E-04	1.22938E-03	6.99905E-04	3.02182E-02	1.41877E-04	1.40764E-03
11	4.65703E-04	4.35556E-04	1.83683E-04	1.22872E-03	6.99629E-04	3.02007E-02	1.41858E-04	1.40737E-03
12	4.65484E-04	4.35314E-04	1.83574E-04	1.22806E-03	6.99350E-04	3.01831E-02	1.41839E-04	1.40709E-03
13	4.65262E-04	4.35069E-04	1.83465E-04	1.22739E-03	6.99068E-04	3.01656E-02	1.41820E-04	1.40681E-03
14	4.65041E-04	4.34819E-04	1.83355E-04	1.22671E-03	6.98783E-04	3.01475E-02	1.41801E-04	1.40654E-03
15	4.64814E-04	4.34569E-04	1.83243E-04	1.22603E-03	6.98495E-04	3.01293E-02	1.41781E-04	1.40625E-03
16	4.64586E-04	4.34316E-04	1.83130E-04	1.22534E-03	6.98204E-04	3.01112E-02	1.41761E-04	1.40597E-03
17	4.64353E-04	4.34059E-04	1.83016E-04	1.22464E-03	6.97911E-04	3.00925E-02	1.41741E-04	1.40568E-03
18	4.64120E-04	4.33801E-04	1.82900E-04	1.22393E-03	6.97612E-04	3.00738E-02	1.41721E-04	1.40538E-03
19	4.63884E-04	4.33539E-04	1.82783E-04	1.22322E-03	6.97312E-04	3.00548E-02	1.41700E-04	1.40509E-03
20	4.63645E-04	4.33274E-04	1.82665E-04	1.22249E-03	6.97007E-04	3.00358E-02	1.41679E-04	1.40479E-03
21	4.63404E-04	4.33006E-04	1.82546E-04	1.22176E-03	6.96699E-04	3.00162E-02	1.41658E-04	1.40448E-03
22	4.63159E-04	4.32736E-04	1.82425E-04	1.22102E-03	6.96389E-04	2.99967E-02	1.41637E-04	1.40418E-03
23	4.62911E-04	4.32459E-04	1.82303E-04	1.22028E-03	6.96075E-04	2.99768E-02	1.41615E-04	1.40386E-03
24	4.62661E-04	4.32183E-04	1.82179E-04	1.21952E-03	6.95755E-04	2.99569E-02	1.41594E-04	1.40355E-03
25	4.62408E-04	4.31904E-04	1.82054E-04	1.21876E-03	6.95433E-04	2.99365E-02	1.41572E-04	1.40323E-03
26	4.62155E-04	4.31619E-04	1.81928E-04	1.21799E-03	6.95108E-04	2.99161E-02	1.41549E-04	1.40292E-03
27	4.61895E-04	4.31334E-04	1.81801E-04	1.21720E-03	6.94780E-04	2.98954E-02	1.41527E-04	1.40259E-03
28	4.61634E-04	4.31044E-04	1.81671E-04	1.21641E-03	6.94446E-04	2.98744E-02	1.41504E-04	1.40226E-03
29	4.61369E-04	4.30750E-04	1.81541E-04	1.21561E-03	6.94112E-04	2.98533E-02	1.41481E-04	1.40193E-03
30	4.61104E-04	4.30454E-04	1.81409E-04	1.21481E-03	6.93770E-04	2.98318E-02	1.41458E-04	1.40160E-03
31	4.60834E-04	4.30154E-04	1.81275E-04	1.21399E-03	6.93427E-04	2.98102E-02	1.41435E-04	1.40126E-03
32	4.60560E-04	4.29852E-04	1.81140E-04	1.21316E-03	6.93079E-04	2.97883E-02	1.41411E-04	1.40092E-03
33	4.60284E-04	4.29547E-04	1.81004E-04	1.21233E-03	6.92728E-04	2.97662E-02	1.41387E-04	1.40057E-03
34	4.60005E-04	4.29236E-04	1.80866E-04	1.21148E-03	6.92374E-04	2.97437E-02	1.41362E-04	1.40022E-03
35	4.59723E-04	4.28923E-04	1.80727E-04	1.21063E-03	6.92015E-04	2.97210E-02	1.41338E-04	1.39987E-03
36	4.59438E-04	4.28606E-04	1.80586E-04	1.20977E-03	6.91649E-04	2.96982E-02	1.41313E-04	1.39951E-03
37	4.59147E-04	4.28287E-04	1.80443E-04	1.20889E-03	6.91283E-04	2.96749E-02	1.41288E-04	1.39915E-03
38	4.58857E-04	4.27964E-04	1.80299E-04	1.20801E-03	6.90912E-04	2.96516E-02	1.41263E-04	1.39878E-03
39	4.58560E-04	4.27636E-04	1.80153E-04	1.20712E-03	6.90535E-04	2.96280E-02	1.41237E-04	1.39841E-03
40	4.58264E-04	4.27305E-04	1.80005E-04	1.20622E-03	6.90155E-04	2.96042E-02	1.41211E-04	1.39803E-03

TABLE XVII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE. - G=GROUP NO.

N= 32

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	4.57962E-04	4.26972E-04	1.79856E-04	1.20531E-03	6.89773E-04	2.95800E-02	1.41185E-04	1.39766E-03
42	4.57657E-04	4.26632E-04	1.79706E-04	1.20438E-03	6.89384E-04	2.95555E-02	1.41158E-04	1.39727E-03
43	4.57349E-04	4.26292E-04	1.79553E-04	1.20345E-03	6.88990E-04	2.95308E-02	1.41132E-04	1.39689E-03
44	4.57035E-04	4.25944E-04	1.79399E-04	1.20251E-03	6.88593E-04	2.95057E-02	1.41104E-04	1.39650E-03
45	4.56721E-04	4.25595E-04	1.79243E-04	1.20155E-03	6.88193E-04	2.94804E-02	1.41077E-04	1.39610E-03
46	4.56402E-04	4.25242E-04	1.79085E-04	1.20059E-03	6.87787E-04	2.94548E-02	1.41049E-04	1.39570E-03
47	4.56080E-04	4.24885E-04	1.78926E-04	1.19961E-03	6.87376E-04	2.94289E-02	1.41021E-04	1.39530E-03
48	4.55755E-04	4.24523E-04	1.78765E-04	1.19863E-03	6.86961E-04	2.94027E-02	1.40993E-04	1.39489E-03
49	4.55423E-04	4.24157E-04	1.78602E-04	1.19763E-03	6.86541E-04	2.93762E-02	1.40964E-04	1.39447E-03
50	4.55090E-04	4.23789E-04	1.78437E-04	1.19662E-03	6.86118E-04	2.93495E-02	1.40935E-04	1.39406E-03
51	4.54753E-04	4.23415E-04	1.78271E-04	1.19560E-03	6.85686E-04	2.93227E-02	1.40906E-04	1.39363E-03
52	4.54413E-04	4.23038E-04	1.78102E-04	1.19457E-03	6.85255E-04	2.92954E-02	1.40876E-04	1.39320E-03
53	4.54068E-04	4.22655E-04	1.77932E-04	1.19353E-03	6.84815E-04	2.92677E-02	1.40846E-04	1.39277E-03
54	4.53720E-04	4.22270E-04	1.77760E-04	1.19248E-03	6.84371E-04	2.92395E-02	1.40816E-04	1.39233E-03
55	4.53369E-04	4.21878E-04	1.77586E-04	1.19141E-03	6.83922E-04	2.92113E-02	1.40785E-04	1.39189E-03
56	4.53012E-04	4.21484E-04	1.77410E-04	1.19033E-03	6.83471E-04	2.91823E-02	1.40754E-04	1.39144E-03
57	4.52652E-04	4.21084E-04	1.77232E-04	1.18924E-03	6.83010E-04	2.91541E-02	1.40723E-04	1.39099E-03
58	4.52287E-04	4.20678E-04	1.77052E-04	1.18814E-03	6.82547E-04	2.91247E-02	1.40691E-04	1.39054E-03
59	4.51918E-04	4.20272E-04	1.76870E-04	1.18703E-03	6.82078E-04	2.90951E-02	1.40659E-04	1.39008E-03
60	4.51547E-04	4.19858E-04	1.76686E-04	1.18590E-03	6.81603E-04	2.90654E-02	1.40627E-04	1.38961E-03
61	4.51170E-04	4.19441E-04	1.76500E-04	1.18476E-03	6.81125E-04	2.90352E-02	1.40594E-04	1.38914E-03
62	4.50790E-04	4.19018E-04	1.76312E-04	1.18361E-03	6.80639E-04	2.90047E-02	1.40561E-04	1.38866E-03
63	4.50405E-04	4.18592E-04	1.76121E-04	1.18245E-03	6.80150E-04	2.89736E-02	1.40528E-04	1.38818E-03
64	4.50016E-04	4.18160E-04	1.75929E-04	1.18127E-03	6.79655E-04	2.89426E-02	1.40494E-04	1.38769E-03
65	4.49622E-04	4.17723E-04	1.75735E-04	1.18008E-03	6.79154E-04	2.89109E-02	1.40459E-04	1.38719E-03
66	4.49225E-04	4.17282E-04	1.75538E-04	1.17888E-03	6.78648E-04	2.88789E-02	1.40425E-04	1.38669E-03
67	4.48822E-04	4.16836E-04	1.75339E-04	1.17766E-03	6.78135E-04	2.88467E-02	1.40390E-04	1.38619E-03
68	4.48413E-04	4.16385E-04	1.75138E-04	1.17643E-03	6.77617E-04	2.88142E-02	1.40354E-04	1.38568E-03
69	4.48002E-04	4.15930E-04	1.74935E-04	1.17518E-03	6.77094E-04	2.87811E-02	1.40319E-04	1.38516E-03
70	4.47588E-04	4.15466E-04	1.74729E-04	1.17392E-03	6.76564E-04	2.87477E-02	1.40282E-04	1.38464E-03
71	4.47168E-04	4.15000E-04	1.74521E-04	1.17265E-03	6.76026E-04	2.87140E-02	1.40246E-04	1.38411E-03
72	4.46741E-04	4.14528E-04	1.74311E-04	1.17137E-03	6.75485E-04	2.86799E-02	1.40209E-04	1.38358E-03
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XVII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 40					
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
1	1.92049E-02	7.32342E-03	1.07718E-02	3.84482E-02	4.58373E-02
2	1.91954E-02	7.32000E-03	1.07710E-02	3.84364E-02	4.58255E-02
3	1.91859E-02	7.31651E-03	1.07701E-02	3.84243E-02	4.58134E-02
4	1.91762E-02	7.31301E-03	1.07693E-02	3.84122E-02	4.58013E-02
5	1.91664E-02	7.30947E-03	1.07684E-02	3.83998E-02	4.57889E-02
6	1.91566E-02	7.30587E-03	1.07676E-02	3.83875E-02	4.57766E-02
7	1.91466E-02	7.30224E-03	1.07667E-02	3.83748E-02	4.57639E-02
8	1.91365E-02	7.29859E-03	1.07658E-02	3.83622E-02	4.57513E-02
9	1.91263E-02	7.29487E-03	1.07649E-02	3.83495E-02	4.57383E-02
10	1.91160E-02	7.29113E-03	1.07640E-02	3.83365E-02	4.57253E-02
11	1.91055E-02	7.28733E-03	1.07631E-02	3.83233E-02	4.57121E-02
12	1.90949E-02	7.28351E-03	1.07622E-02	3.83101E-02	4.56989E-02
13	1.90843E-02	7.27962E-03	1.07612E-02	3.82966E-02	4.56854E-02
14	1.90735E-02	7.27571E-03	1.07603E-02	3.82830E-02	4.56718E-02
15	1.90626E-02	7.27174E-03	1.07593E-02	3.82692E-02	4.56580E-02
16	1.90515E-02	7.26774E-03	1.07584E-02	3.82554E-02	4.56442E-02
17	1.90404E-02	7.26368E-03	1.07574E-02	3.82413E-02	4.56301E-02
18	1.90291E-02	7.25957E-03	1.07564E-02	3.82272E-02	4.56157E-02
19	1.90177E-02	7.25542E-03	1.07554E-02	3.82128E-02	4.56016E-02
20	1.90062E-02	7.25125E-03	1.07544E-02	3.81981E-02	4.55869E-02
21	1.89945E-02	7.24702E-03	1.07534E-02	3.81835E-02	4.55723E-02
22	1.89827E-02	7.24273E-03	1.07523E-02	3.81688E-02	4.55573E-02
23	1.89708E-02	7.23839E-03	1.07513E-02	3.81538E-02	4.55423E-02
24	1.89587E-02	7.23401E-03	1.07502E-02	3.81386E-02	4.55271E-02
25	1.89465E-02	7.22958E-03	1.07492E-02	3.81233E-02	4.55118E-02
26	1.89342E-02	7.22512E-03	1.07481E-02	3.81078E-02	4.54963E-02
27	1.89217E-02	7.22057E-03	1.07470E-02	3.80919E-02	4.54806E-02
28	1.89091E-02	7.21600E-03	1.07459E-02	3.80761E-02	4.54646E-02
29	1.88964E-02	7.21136E-03	1.07448E-02	3.80600E-02	4.54485E-02
30	1.88835E-02	7.20670E-03	1.07436E-02	3.80439E-02	4.54324E-02
31	1.88705E-02	7.20195E-03	1.07425E-02	3.80275E-02	4.54160E-02
32	1.88573E-02	7.19718E-03	1.07413E-02	3.80108E-02	4.53993E-02
33	1.88440E-02	7.19234E-03	1.07402E-02	3.79941E-02	4.53826E-02
34	1.88305E-02	7.18745E-03	1.07390E-02	3.79771E-02	4.53656E-02
35	1.88169E-02	7.18250E-03	1.07378E-02	3.79601E-02	4.53484E-02
36	1.88031E-02	7.17749E-03	1.07366E-02	3.79426E-02	4.53311E-02
37	1.87892E-02	7.17243E-03	1.07353E-02	3.79250E-02	4.53136E-02
38	1.87751E-02	7.16731E-03	1.07341E-02	3.79075E-02	4.52957E-02
39	1.87609E-02	7.16216E-03	1.07328E-02	3.78896E-02	4.52779E-02
40	1.87465E-02	7.15692E-03	1.07316E-02	3.78715E-02	4.52597E-02

TABLE XVII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
41	1.87319E-02	7.15162E-03	1.07303E-02	3.78531E-02	4.52413E-02
42	1.87172E-02	7.14627E-03	1.07290E-02	3.78347E-02	4.52226E-02
43	1.87023E-02	7.14086E-03	1.07277E-02	3.78157E-02	4.52039E-02
44	1.86873E-02	7.13539E-03	1.07264E-02	3.77970E-02	4.51849E-02
45	1.86720E-02	7.12987E-03	1.07251E-02	3.77777E-02	4.51659E-02
46	1.86567E-02	7.12429E-03	1.07237E-02	3.77584E-02	4.51464E-02
47	1.86411E-02	7.11865E-03	1.07223E-02	3.77388E-02	4.51268E-02
48	1.86254E-02	7.11292E-03	1.07210E-02	3.77190E-02	4.51069E-02
49	1.86094E-02	7.10713E-03	1.07196E-02	3.76989E-02	4.50868E-02
50	1.85934E-02	7.10129E-03	1.07182E-02	3.76787E-02	4.50666E-02
51	1.85771E-02	7.09539E-03	1.07167E-02	3.76583E-02	4.50462E-02
52	1.85607E-02	7.08941E-03	1.07153E-02	3.76376E-02	4.50255E-02
53	1.85440E-02	7.08339E-03	1.07138E-02	3.76165E-02	4.50046E-02
54	1.85272E-02	7.07726E-03	1.07124E-02	3.75955E-02	4.49832E-02
55	1.85102E-02	7.07110E-03	1.07109E-02	3.75740E-02	4.49619E-02
56	1.84930E-02	7.06486E-03	1.07094E-02	3.75524E-02	4.49403E-02
57	1.84757E-02	7.05853E-03	1.07078E-02	3.75305E-02	4.49184E-02
58	1.84581E-02	7.05217E-03	1.07063E-02	3.75083E-02	4.48963E-02
59	1.84403E-02	7.04569E-03	1.07047E-02	3.74862E-02	4.48738E-02
60	1.84223E-02	7.03916E-03	1.07031E-02	3.74634E-02	4.48511E-02
61	1.84042E-02	7.03257E-03	1.07016E-02	3.74407E-02	4.48281E-02
62	1.83858E-02	7.02590E-03	1.07000E-02	3.74174E-02	4.48051E-02
63	1.83672E-02	7.01916E-03	1.06983E-02	3.73941E-02	4.47817E-02
64	1.83484E-02	7.01234E-03	1.06967E-02	3.73705E-02	4.47579E-02
65	1.83294E-02	7.00543E-03	1.06950E-02	3.73466E-02	4.47340E-02
66	1.83103E-02	6.99844E-03	1.06933E-02	3.73224E-02	4.47098E-02
67	1.82908E-02	6.99139E-03	1.06916E-02	3.72980E-02	4.46853E-02
68	1.82712E-02	6.98429E-03	1.06899E-02	3.72732E-02	4.46606E-02
69	1.82513E-02	6.97706E-03	1.06882E-02	3.72482E-02	4.46356E-02
70	1.82313E-02	6.96978E-03	1.06864E-02	3.72229E-02	4.46102E-02
71	1.82110E-02	6.96239E-03	1.06846E-02	3.71976E-02	4.45846E-02
72	1.81905E-02	6.95493E-03	1.06828E-02	3.71717E-02	4.45587E-02
73	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

2.3.2 Thorium Ground Source

The diffusion of the short lived thorium daughter thoron was neglected in the sandstone ore body. It was assumed that the thorium concentration and hence the gamma-ray source strength is constant as a function of position within sandstone ore body. The atom density, N_{Th} , of thorium in the ground was determined from the equation:

$$N_{Th} (\text{atoms/cm}^3) = ((PPM) \rho_g N_a / A_{Th}) 10^{-6} \quad (2)$$

where

PPM = parts per million of Th;

N_a = Avogadro's number;

A_{Th} = atomic weight of Th; and

ρ_g = ground density = 2.168 g/cm^3

The volumetric source strength, S_v , is

$$S_v = \lambda_{Th} (\text{cm}^{-1}) N_{Th} (\text{atoms/cm}^3) \quad (3)$$

where λ_{Th} = thorium decay constant. Table XVIII lists the results for various values of thorium concentration.

TABLE XVIII. CONCENTRATIONS OF THORIUM AND POTASSIUM SOURCES

<u>Source</u>	<u>PPM or %</u>	<u>A</u>	<u>$N(S_z)^*$</u>
Th	12PPM	232.038	.1043
	25PPM		.2173
	80PPM		.6953
K	2.5 %	39.098	8.1572×10^{-4}

* $1S_z = 10^{24} \text{ atoms/cm}^3$.

The resulting gamma-ray source strengths for thorium were then folded with the spectrum of Table XVI to yield the space and

energy dependent source required as input to ANISN.

2.3.3 Potassium Ground Source Strengths

The determination of the source strength for potassium in the ground is similar to that of thorium:

$$N_K = P_K \rho_g N_a / A_K \quad (4)$$

where

P_K = weight fraction of K,

and

A_K = atomic weight of K.

Potassium has a concentration of 2.5 percent for these calculations. The atom density is given in Table XVIII.

Unlike uranium and thorium, potassium emits only one gamma-ray, at an energy 1.460 MeV (Ref. 8). Also, like thorium it has no gaseous daughters to consider in determining the space dependence of the gamma-ray emission. Gamma-rays are emitted eleven percent of the time in potassium decay. Thus, for 2.5 percent potassium in the ground:

$$S_v = .01818 \text{ } \gamma/\text{cm}^3\text{-sec at 1.46 MeV,} \quad (5)$$

independent of depth.

2.3.4 Gamma-Ray Airborne Sources -Radon and Its Daughters.

The airborne sources used in this work cover several cases:

1. Constant radon concentration;
2. Exponential variation of radon concentration with altitude; and
3. Cases 1 and 2 with inversion layers at three altitudes in the atmosphere.

We have determined that the average inversion layer is approximately 457.2m thick (Ref.17). We have chosen inversion

altitudes of 65.23m (below aerial survey altitude), 260.32m (intermediate between 65.23 and 458.43m) and 458.43m, to use in the airborne source calculations.

A ground level radon concentration of 1 Bq/M^3 , was chosen for convenience. For any other value, one need only multiply the results by the concentration in Bq/M^3 . We used the exponential variation of the airborne radon with altitude given by Lampley (Ref. 13):

$$C = C_0 \exp(-\sqrt{(\lambda/D)} Z)$$

where $\lambda = \text{Rn decay constant, sec}^{-1}$
 $D = \text{diffusion coefficient for Rn in air, cm}^2/\text{sec}$
 $Z = \text{altitude, cm.}$

For this work,

$$D = 5 \times 10^4 \text{ cm}^2/\text{sec} \text{ (Ref. 13)}$$

$$\text{and } C = C_0 \exp [-6.4769 \times 10^{-6} Z]. \quad (6)$$

The spectrum given in Table XV was recalculated to give contributions only from radon and its daughters. This spectrum is given in Table XIX.

For radiation transport calculations that considered inversion layers in an atmosphere where the gamma-ray source was constant with altitude, the source distribution was cut off at the inversion layer altitude. For the case where the inversion layer was positioned in an atmosphere with an exponentially varying source, we modified the source distribution to maintain the total radon below the inversion layer height:

$$C(Z) = C_0 e^{-K_1 Z}, \text{ no inversion,} \quad (7)$$

TABLE XIX. RADON AIR SOURCE SPECTRUM FOR CONCENTRATION OF 1 BQ/M**3

GROUP	UPPER LIMIT (MeV)	GAMMA SUM
1	0.50000E-01	0.20067E-06
2	0.10000E+00	0.24930E-06
3	0.20000E+00	0.19400E-08
4	0.25600E+00	0.79200E-07
5	0.30000E+00	0.21489E-06
6	0.33700E+00	0.34070E-08
7	0.34000E+00	0.39300E-09
8	0.40600E+00	0.36100E-06
9	0.46000E+00	0.47100E-08
10	0.50900E+00	0.12660E-07
11	0.52000E+00	0.22330E-08
12	0.58000E+00	0.50100E-08
13	0.60000E+00	0.36000E-08
14	0.67000E+00	0.46200E-06
15	0.68000E+00	0.
16	0.72000E+00	0.10900E-07
17	0.73000E+00	0.60000E-09
18	0.75500E+00	0.22000E-08
19	0.77000E+00	0.49200E-07
20	0.79000E+00	0.14170E-07
21	0.91000E+00	0.22198E-07
22	0.91200E+00	0.
23	0.96000E+00	0.32000E-07
24	0.96900E+00	0.38300E-08
25	0.99800E+00	0.34300E-09
26	0.10300E+01	0.21700E-09
27	0.11000E+01	0.76400E-08
28	0.11700E+01	0.17000E-06
29	0.12080E+01	0.58200E-08
30	0.12900E+01	0.74300E-07
31	0.13570E+01	0.24300E-08
32	0.13600E+01	0.
33	0.14800E+01	0.85900E-07
34	0.15100E+01	0.22100E-07
35	0.15560E+01	0.77100E-08
36	0.16610E+01	0.14000E-07
37	0.16700E+01	0.11500E-07
38	0.18600E+01	0.21800E-06
39	0.19000E+01	0.55700E-08
40	0.20100E+01	0.59200E-09
41	0.23300E+01	0.70100E-07
42	0.23800E+01	0.38200E-09
43	0.24100E+01	0.19600E-10
44	0.29960E+01	0.15500E-07
45	0.30800E+01	0.31500E-09

$$C'(Z) = C'_O e^{-K_1 Z}, \text{ with inversion,} \quad (8)$$

where $K_1 = \sqrt{\lambda/D}$.

Then
$$\int_0^{\infty} dz C_O e^{-K_1 Z} = \int_0^{H_I} dz C'_O e^{-K_1 Z}, \quad (9)$$

which yields:

$$C'_O = C_O e^{-K_1 H_I} / (K_1 (1 - e^{-K_1 H_I})). \quad (10)$$

Table XX gives values of H_I , inversion layer altitude, and C'_O / C_O used in this work.

TABLE XX. VALUES OF C'_O / C_O FOR DIFFERENT INVERSION LAYER HEIGHTS

H_I (m)	C'_O / C_O
65.22	24.306
260.32	6.487
458.43	3.916

The values of $C(Z)$ computed for the case of no inversion were multiplied by the data of Table XX to yield volumetric source strengths in $\gamma/\text{cm}^3\text{-sec}$ for input to ANISN.

2.3.5 Source in Dirt Above an Ore Body.

We are to consider an ore body below a layer of dirt overburden sufficiently thick to reduce the flux of the most energetic gamma-rays to ten percent of the original value.

We must first determine the thickness of dirt necessary and then consider the problem of diffusion of radon in the overburden with varying source strength. As pointed out in Section III, we consider the dirt overburden to be sandstone.

2.3.5.1 Maximum Thickness of Dirt Overburden. The maximum thickness of the dirt overburden is determined assuming exponential attenuation of the most energetic gamma ray in the uranium spectrum (group 1). Section III gives a macroscopic soil cross section of 0.0780 cm^{-1} in this energy group. The dirt thickness, X_0 , is given by:

$$X_0 = - (1/.0780) \ln (\Phi/\Phi_0) \quad (11)$$

for $\Phi/\Phi_0 = 0.1$, $X_0 \sim 30 \text{ cm}$.

The four thicknesses of the dirt overburden selected for use in the ANISN calculations are 10.266, 17.110, 26.399 and 32.509 cm. These dirt layer thicknesses were selected for use in the ANISN calculations since they could be represented by the mesh interval thicknesses previously selected for describing the KUT sources in the ore body without a dirt overburden.

2.3.5.2 Diffusion of Radon with a Uranium Source in the Dirt Overburden. The geometry is illustrated in Fig. 1.

Fig. 1. Geometry for Diffusion of Radon in Two Media of Differing Source Strength

The calculations of this section assume a constant source strength of radon, S atoms/cm³, in the dirt. The diffusion equation is (Ref. 16):

$$D \frac{d^2 C}{dz^2} + \lambda C + S = 0 \quad (12)$$

Where D is the diffusion coefficient of the medium; λ is the radon decay constant; and C is radon concentration. We assume that the material properties of dirt medium I and ore medium II are the same. We further assume that for $0 \leq z \leq x_1$, the source strength is S , and 0 for $z > x_1$. Thus:

$$D \frac{d^2 C_I}{dz^2} - \lambda C_I + S = 0; \quad (13)$$

and

$$D \frac{d^2 C_{II}}{dz^2} - \lambda C_{II} = 0. \quad (14)$$

The equations are solved subject to the following boundary conditions:

- 1) Concentration in region II is finite for all z .
- 2) Concentration in region I approaches zero as z approaches zero.
- 3) At $z = x_1$ the concentration and derivative of the concentration (really $D \, dc/dx$) are continuous across the boundary

The solutions are:

$$C_I = (S/\lambda) \left[(1 - e^{-Kz}) - e^{-Kx_1} \sinh Kz \right], \quad (15)$$

and

$$C_{II} = (S/\lambda) (\cosh Kx_1 - 1) e^{-Kz}, \quad (16)$$

where $K = \sqrt{\lambda/D}$.

Equations (15) and (16) were folded with the energy spectrum of Table XV to yield the uranium gamma-ray source

throughout the dirt and ore for input to ANISN for each of the four thicknesses used for the dirt overburden.

Tables XXI through XXIV give the gamma-ray source strengths vs position in the sandstone ore body and the dirt overburden for 3.2 PPM uranium in the dirt overburden for each of the four dirt overburden thicknesses. For the data given in Table XXI through XXIV, the energy group number is indicated by G, and the spatial interval is denoted by INT. The energy bounds for each value of G are given in Table II. The spatial intervals, INT, are each 1.71099 cm in thickness. INT=1 starts at 123.19 cm depth. The upper bound of interval 72 is at ground level. The units of the data in Tables XXI through XXIV are photons/cm³-sec.

2.3.5.3 Diffusion of Radon in Dirt Overburden with a Uranium Source in the Ore Body. The geometry and boundary conditions are the same for this case as for the case discussed in Sec. 2.3.5.2. The equations in this case are:

$$D \frac{d^2 C_I}{dz^2} - \lambda C_I = 0, \quad (17)$$

and

$$D \frac{d^2 C_{II}}{dz^2} - \lambda C_{II} + S = 0, \quad (18)$$

with solutions:

$$C_I = (S/\lambda) e^{-Kx_1} \sinh Kz, \quad (19)$$

and

$$C_{II} = (S/\lambda) (1 - e^{-Kz} \cosh Kx_1). \quad (20)$$

Again Equations (19) and (20) were folded with the spectra for uranium and radon to give the input source distribution for ANISN.

TABLE XXI. GAMMA-RAY SOURCE DATA FOR 3.2PPM URANIUM SOURCE IN DIRT
OVERBURDEN: LAYER 1

G = ENERGY GROUP NUMBER; INT. = SPATIAL INTERVAL NUMBER

(photons/cm ³ sec)								
0 DISTRIBUTED SOURCE	- G=GROUP NO.							
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	1.87946E-09	9.24812E-08	2.04056E-10	2.27922E-09	4.18253E-07	3.65748E-09	3.32932E-08	1.30070E-06
2	1.90041E-09	9.35119E-08	2.06330E-10	2.30462E-09	4.22914E-07	3.69824E-09	3.36643E-08	1.31519E-06
3	1.92158E-09	9.45539E-08	2.08629E-10	2.33030E-09	4.27627E-07	3.73945E-09	3.40394E-08	1.32985E-06
4	1.94300E-09	9.56076E-08	2.10954E-10	2.35627E-09	4.32393E-07	3.78112E-09	3.44187E-08	1.34467E-06
5	1.96465E-09	9.66729E-08	2.13304E-10	2.38252E-09	4.37211E-07	3.82326E-09	3.48022E-08	1.35965E-06
6	1.98654E-09	9.77503E-08	2.15682E-10	2.40907E-09	4.42083E-07	3.86586E-09	3.51901E-08	1.37481E-06
7	2.00868E-09	9.88396E-08	2.18085E-10	2.43592E-09	4.47009E-07	3.90894E-09	3.55822E-08	1.39013E-06
8	2.03106E-09	9.99410E-08	2.20515E-10	2.46306E-09	4.51991E-07	3.95250E-09	3.59787E-08	1.40562E-06
9	2.05369E-09	1.01054E-07	2.22972E-10	2.49051E-09	4.57027E-07	3.99654E-09	3.63797E-08	1.42128E-06
10	2.07658E-09	1.02181E-07	2.25457E-10	2.51827E-09	4.62121E-07	4.04108E-09	3.67851E-08	1.43712E-06
11	2.09972E-09	1.03319E-07	2.27970E-10	2.54633E-09	4.67270E-07	4.08613E-09	3.71950E-08	1.45313E-06
12	2.12312E-09	1.04470E-07	2.30510E-10	2.57470E-09	4.72477E-07	4.13165E-09	3.76095E-08	1.46933E-06
13	2.14678E-09	1.05635E-07	2.33079E-10	2.60340E-09	4.77743E-07	4.17769E-09	3.80286E-08	1.48571E-06
14	2.17070E-09	1.06812E-07	2.35676E-10	2.63240E-09	4.83066E-07	4.22424E-09	3.84523E-08	1.50225E-06
15	2.19489E-09	1.08002E-07	2.38302E-10	2.66173E-09	4.88449E-07	4.27131E-09	3.88808E-08	1.51899E-06
16	2.21935E-09	1.09205E-07	2.40958E-10	2.69140E-09	4.93893E-07	4.31891E-09	3.93141E-08	1.53592E-06
17	2.24408E-09	1.10422E-07	2.43643E-10	2.72139E-09	4.99396E-07	4.36703E-09	3.97521E-08	1.55304E-06
18	2.26909E-09	1.11653E-07	2.46358E-10	2.75171E-09	5.04961E-07	4.41570E-09	4.01951E-08	1.57034E-06
19	2.29437E-09	1.12897E-07	2.49103E-10	2.78238E-09	5.10588E-07	4.46492E-09	4.06430E-08	1.58784E-06
20	2.31979E-09	1.14148E-07	2.51862E-10	2.81320E-09	5.16245E-07	4.51438E-09	4.10933E-08	1.60543E-06
21	2.34579E-09	1.15427E-07	2.54686E-10	2.84473E-09	5.22031E-07	4.56497E-09	4.15540E-08	1.62344E-06
22	2.37193E-09	1.16714E-07	2.57524E-10	2.87643E-09	5.27848E-07	4.61585E-09	4.20171E-08	1.64153E-06
23	2.39836E-09	1.18014E-07	2.60393E-10	2.90849E-09	5.33730E-07	4.66729E-09	4.24853E-08	1.65982E-06
24	2.42509E-09	1.19329E-07	2.63295E-10	2.94090E-09	5.39678E-07	4.71929E-09	4.29587E-08	1.67832E-06
25	2.45211E-09	1.20659E-07	2.66229E-10	2.97367E-09	5.45691E-07	4.77188E-09	4.34374E-08	1.69702E-06
26	2.47944E-09	1.22003E-07	2.69196E-10	3.00681E-09	5.51773E-07	4.82506E-09	4.39215E-08	1.71593E-06
27	2.50706E-09	1.23363E-07	2.72195E-10	3.04031E-09	5.57921E-07	4.87883E-09	4.44109E-08	1.73505E-06
28	2.53500E-09	1.24738E-07	2.75229E-10	3.07419E-09	5.64138E-07	4.93319E-09	4.49058E-08	1.75439E-06
29	2.56325E-09	1.26128E-07	2.78296E-10	3.10845E-09	5.70425E-07	4.98817E-09	4.54062E-08	1.77393E-06
30	2.59182E-09	1.27533E-07	2.81397E-10	3.14309E-09	5.76782E-07	5.04375E-09	4.59122E-08	1.79370E-06
31	2.62070E-09	1.28954E-07	2.84533E-10	3.17811E-09	5.83209E-07	5.09996E-09	4.64238E-08	1.81369E-06
32	2.64990E-09	1.30391E-07	2.87704E-10	3.21353E-09	5.89708E-07	5.15679E-09	4.69411E-08	1.83390E-06
33	2.67943E-09	1.31844E-07	2.90909E-10	3.24934E-09	5.96279E-07	5.21426E-09	4.74642E-08	1.85434E-06
34	2.70929E-09	1.33314E-07	2.94151E-10	3.28555E-09	6.02924E-07	5.27236E-09	4.79931E-08	1.87500E-06
35	2.73948E-09	1.34799E-07	2.97429E-10	3.32216E-09	6.09642E-07	5.33111E-09	4.85279E-08	1.89590E-06
36	2.77001E-09	1.36301E-07	3.00744E-10	3.35918E-09	6.16436E-07	5.39052E-09	4.90687E-08	1.91702E-06
37	2.80087E-09	1.37820E-07	3.04094E-10	3.39661E-09	6.23305E-07	5.45059E-09	4.96155E-08	1.93838E-06
38	2.83209E-09	1.39356E-07	3.07483E-10	3.43446E-09	6.30251E-07	5.51133E-09	5.01684E-08	1.95999E-06
39	2.86364E-09	1.40909E-07	3.10910E-10	3.47274E-09	6.37274E-07	5.57274E-09	5.07274E-08	1.98183E-06
40	2.89555E-09	1.42479E-07	3.14374E-10	3.51143E-09	6.44376E-07	5.63484E-09	5.12927E-08	2.00391E-06

TABLE XXI. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 0									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	2.92782E-09	1.44067E-07	3.17878E-10	3.55056E-09	6.51557E-07	5.69763E-09	5.18643E-08	2.02624E-06	
42	2.96045E-09	1.45672E-07	3.21420E-10	3.59013E-09	6.58817E-07	5.76113E-09	5.24422E-08	2.04882E-06	
43	2.99344E-09	1.47296E-07	3.25002E-10	3.63014E-09	6.66158E-07	5.82532E-09	5.30266E-08	2.07165E-06	
44	3.02680E-09	1.48937E-07	3.28623E-10	3.67059E-09	6.73582E-07	5.89024E-09	5.36176E-08	2.09474E-06	
45	3.06052E-09	1.50597E-07	3.32285E-10	3.71149E-09	6.81088E-07	5.95587E-09	5.42150E-08	2.11808E-06	
46	3.09463E-09	1.52275E-07	3.35988E-10	3.75285E-09	6.88677E-07	6.02224E-09	5.48191E-08	2.14168E-06	
47	3.12911E-09	1.53972E-07	3.39732E-10	3.79467E-09	6.96352E-07	6.08935E-09	5.54300E-08	2.16555E-06	
48	3.16400E-09	1.55668E-07	3.43520E-10	3.83697E-09	7.04115E-07	6.15724E-09	5.60480E-08	2.18969E-06	
49	3.19925E-09	1.57423E-07	3.47346E-10	3.87972E-09	7.11959E-07	6.22583E-09	5.66724E-08	2.21408E-06	
50	3.23490E-09	1.59177E-07	3.51218E-10	3.92296E-09	7.19894E-07	6.29523E-09	5.73040E-08	2.23876E-06	
51	3.27094E-09	1.60990E-07	3.55130E-10	3.96666E-09	7.27914E-07	6.36535E-09	5.79424E-08	2.26370E-06	
52	3.30739E-09	1.62744E-07	3.59087E-10	4.01086E-09	7.36024E-07	6.43528E-09	5.85880E-08	2.28892E-06	
53	3.34424E-09	1.64557E-07	3.63090E-10	4.05555E-09	7.44226E-07	6.50800E-09	5.92408E-08	2.31443E-06	
54	3.38151E-09	1.66391E-07	3.67135E-10	4.10074E-09	7.52519E-07	6.58052E-09	5.99009E-08	2.34022E-06	
55	3.41918E-09	1.68245E-07	3.71226E-10	4.14643E-09	7.60903E-07	6.65383E-09	6.05683E-08	2.36629E-06	
56	3.45729E-09	1.70121E-07	3.75364E-10	4.19265E-09	7.69385E-07	6.72800E-09	6.12435E-08	2.39267E-06	
57	3.49582E-09	1.72017E-07	3.79547E-10	4.23938E-09	7.77958E-07	6.80297E-09	6.19259E-08	2.41933E-06	
58	3.53478E-09	1.73934E-07	3.83777E-10	4.28663E-09	7.86629E-07	6.87800E-09	6.26162E-08	2.44630E-06	
59	3.57416E-09	1.75872E-07	3.88052E-10	4.33437E-09	7.95392E-07	6.95543E-09	6.33137E-08	2.47355E-06	
60	3.51401E-09	1.77838E-07	3.92379E-10	4.38271E-09	8.04260E-07	7.03297E-09	6.40196E-08	2.50113E-06	
61	3.55426E-09	1.79813E-07	3.96750E-10	4.43152E-09	8.13219E-07	7.11131E-09	6.47327E-08	2.52898E-06	
62	3.59499E-09	1.81813E-07	4.01172E-10	4.48091E-09	8.22283E-07	7.19058E-09	6.54542E-08	2.55717E-06	
63	3.73616E-09	1.83843E-07	4.05642E-10	4.53085E-09	8.31445E-07	7.27070E-09	6.61835E-08	2.58567E-06	
64	3.77781E-09	1.85893E-07	4.10163E-10	4.58135E-09	8.40713E-07	7.35173E-09	6.69212E-08	2.61448E-06	
65	3.81989E-09	1.87963E-07	4.14732E-10	4.63238E-09	8.50078E-07	7.43353E-09	6.76667E-08	2.64361E-06	
66	3.86248E-09	1.90059E-07	4.19356E-10	4.68403E-09	8.59556E-07	7.51652E-09	6.84212E-08	2.67308E-06	
67	2.42007E-05	1.19082E-03	2.62787E-06	2.93482E-05	5.38561E-03	5.35846E-05	4.40487E-04	1.67862E-02	
68	2.42006E-05	1.19083E-03	2.62786E-06	2.93480E-05	5.38558E-03	5.35844E-05	4.40484E-04	1.67861E-02	
69	2.42001E-05	1.19080E-03	2.62781E-06	2.93475E-05	5.38548E-03	5.35835E-05	4.40476E-04	1.67858E-02	
70	2.41994E-05	1.19076E-03	2.62773E-06	2.93465E-05	5.38531E-03	5.35820E-05	4.40463E-04	1.67853E-02	
71	2.41983E-05	1.19070E-03	2.62761E-06	2.93452E-05	5.38506E-03	5.35798E-05	4.40443E-04	1.67845E-02	
72	2.41968E-05	1.19063E-03	2.62745E-06	2.93434E-05	5.38474E-03	5.35771E-05	4.40417E-04	1.67835E-02	
73	0.	0.	0.	0.	0.	0.	0.	0.	

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXI. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO.		N= 8							
Ø INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	6.86151E-08	8.35314E-08	4.60020E-08	1.32457E-07	5.12525E-07	0.	1.48567E-08	4.43313E-07	
2	6.93797E-08	8.44623E-08	4.65146E-08	1.33933E-07	5.18237E-07	0.	1.50223E-08	4.48253E-07	
3	7.01530E-08	8.54035E-08	4.70330E-08	1.35425E-07	5.24012E-07	0.	1.51897E-08	4.53248E-07	
4	7.09347E-08	8.63553E-08	4.75571E-08	1.36934E-07	5.29852E-07	0.	1.53590E-08	4.58299E-07	
5	7.17251E-08	8.73175E-08	4.80870E-08	1.38460E-07	5.35755E-07	0.	1.55301E-08	4.63406E-07	
6	7.25245E-08	8.82906E-08	4.86229E-08	1.40003E-07	5.41726E-07	0.	1.57032E-08	4.68570E-07	
7	7.33326E-08	8.92744E-08	4.91647E-08	1.41563E-07	5.47762E-07	0.	1.58781E-08	4.73791E-07	
8	7.41497E-08	9.02692E-08	4.97126E-08	1.43141E-07	5.53866E-07	0.	1.60551E-08	4.79071E-07	
9	7.49761E-08	9.12751E-08	5.02666E-08	1.44736E-07	5.60038E-07	0.	1.62340E-08	4.84410E-07	
10	7.58116E-08	9.22925E-08	5.08268E-08	1.46349E-07	5.66280E-07	0.	1.64149E-08	4.89808E-07	
11	7.66564E-08	9.33208E-08	5.13931E-08	1.47980E-07	5.72590E-07	0.	1.65978E-08	4.95266E-07	
12	7.75107E-08	9.43608E-08	5.19658E-08	1.49629E-07	5.78971E-07	0.	1.67828E-08	5.00786E-07	
13	7.83744E-08	9.54124E-08	5.25449E-08	1.51296E-07	5.85423E-07	0.	1.69698E-08	5.06367E-07	
14	7.92476E-08	9.64753E-08	5.31304E-08	1.52982E-07	5.91945E-07	0.	1.71589E-08	5.12009E-07	
15	8.01307E-08	9.75505E-08	5.37224E-08	1.54687E-07	5.98541E-07	0.	1.73501E-08	5.17714E-07	
16	8.10237E-08	9.86374E-08	5.43211E-08	1.56410E-07	6.05212E-07	0.	1.75434E-08	5.23484E-07	
17	8.19266E-08	9.97367E-08	5.49264E-08	1.58153E-07	6.11955E-07	0.	1.77389E-08	5.29317E-07	
18	8.28395E-08	1.00848E-07	5.55385E-08	1.59917E-07	6.18775E-07	0.	1.79366E-08	5.35215E-07	
19	8.37627E-08	1.01972E-07	5.61574E-08	1.61698E-07	6.25670E-07	0.	1.81365E-08	5.41179E-07	
20	8.46906E-08	1.03101E-07	5.67795E-08	1.63490E-07	6.32602E-07	0.	1.83374E-08	5.47175E-07	
21	8.56399E-08	1.04257E-07	5.74160E-08	1.65322E-07	6.39693E-07	0.	1.85429E-08	5.53308E-07	
22	8.65942E-08	1.05419E-07	5.80557E-08	1.67165E-07	6.46821E-07	0.	1.87496E-08	5.59474E-07	
23	8.75591E-08	1.06593E-07	5.87027E-08	1.69027E-07	6.54028E-07	0.	1.89585E-08	5.65708E-07	
24	8.85348E-08	1.07781E-07	5.93568E-08	1.70911E-07	6.61316E-07	0.	1.91697E-08	5.72012E-07	
25	8.95214E-08	1.08982E-07	6.00182E-08	1.72816E-07	6.68686E-07	0.	1.93834E-08	5.78386E-07	
26	9.05191E-08	1.10197E-07	6.06871E-08	1.74741E-07	6.76138E-07	0.	1.95994E-08	5.84832E-07	
27	9.15276E-08	1.11425E-07	6.13633E-08	1.76689E-07	6.83672E-07	0.	1.98178E-08	5.91348E-07	
28	9.25476E-08	1.12666E-07	6.20472E-08	1.78658E-07	6.91290E-07	0.	2.00386E-08	5.97938E-07	
29	9.35790E-08	1.13922E-07	6.27387E-08	1.80648E-07	6.98994E-07	0.	2.02619E-08	6.04601E-07	
30	9.46217E-08	1.15191E-07	6.34377E-08	1.82662E-07	7.06783E-07	0.	2.04877E-08	6.11339E-07	
31	9.56762E-08	1.16475E-07	6.41446E-08	1.84697E-07	7.14659E-07	0.	2.07160E-08	6.18151E-07	
32	9.67423E-08	1.17773E-07	6.48595E-08	1.86755E-07	7.22623E-07	0.	2.09469E-08	6.25040E-07	
33	9.78205E-08	1.19085E-07	6.55822E-08	1.88836E-07	7.30675E-07	0.	2.11803E-08	6.32005E-07	
34	9.89106E-08	1.20412E-07	6.63130E-08	1.90941E-07	7.38818E-07	0.	2.14163E-08	6.39047E-07	
35	1.00012E-07	1.21754E-07	6.70519E-08	1.93068E-07	7.47050E-07	0.	2.16549E-08	6.46168E-07	
36	1.01127E-07	1.23111E-07	6.77993E-08	1.95220E-07	7.55376E-07	0.	2.18963E-08	6.53369E-07	
37	1.02254E-07	1.24483E-07	6.85546E-08	1.97395E-07	7.63792E-07	0.	2.21402E-08	6.60649E-07	
38	1.03393E-07	1.25870E-07	6.93187E-08	1.99595E-07	7.72304E-07	0.	2.23870E-08	6.68012E-07	
39	1.04545E-07	1.27273E-07	7.00911E-08	2.01819E-07	7.80911E-07	0.	2.26365E-08	6.75456E-07	
40	1.05710E-07	1.28691E-07	7.08721E-08	2.04068E-07	7.89612E-07	0.	2.28887E-08	6.82983E-07	

TABLE XXI. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 8

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	1.06888E-07	1.30125E-07	7.16619E-08	2.06342E-07	7.98412E-07	0.	2.31438E-08	6.90594E-07
42	1.08079E-07	1.31575E-07	7.24605E-08	2.08641E-07	8.07309E-07	0.	2.34017E-08	6.98289E-07
43	1.09284E-07	1.33041E-07	7.32680E-08	2.10966E-07	8.16306E-07	0.	2.36624E-08	7.06071E-07
44	1.10502E-07	1.34524E-07	7.40844E-08	2.13317E-07	8.25402E-07	0.	2.39261E-08	7.13939E-07
45	1.11733E-07	1.36023E-07	7.49100E-08	2.15694E-07	8.34600E-07	0.	2.41927E-08	7.21894E-07
46	1.12978E-07	1.37539E-07	7.57447E-08	2.18098E-07	8.43900E-07	0.	2.44623E-08	7.29939E-07
47	1.14237E-07	1.39071E-07	7.65889E-08	2.20528E-07	8.53305E-07	0.	2.47349E-08	7.38073E-07
48	1.15511E-07	1.40622E-07	7.74426E-08	2.22987E-07	8.62817E-07	0.	2.50107E-08	7.46301E-07
49	1.16797E-07	1.42188E-07	7.83054E-08	2.25471E-07	8.72429E-07	0.	2.52893E-08	7.54615E-07
50	1.18099E-07	1.43773E-07	7.91782E-08	2.27984E-07	8.82153E-07	0.	2.55712E-08	7.63026E-07
51	1.19415E-07	1.45375E-07	8.00602E-08	2.30524E-07	8.91980E-07	0.	2.58560E-08	7.71526E-07
52	1.20745E-07	1.46994E-07	8.09522E-08	2.33092E-07	9.01919E-07	0.	2.61441E-08	7.80122E-07
53	1.22091E-07	1.48632E-07	8.18543E-08	2.35690E-07	9.11969E-07	0.	2.64354E-08	7.88815E-07
54	1.23451E-07	1.50289E-07	8.27664E-08	2.38316E-07	9.22131E-07	0.	2.67300E-08	7.97605E-07
55	1.24827E-07	1.51963E-07	8.36885E-08	2.40971E-07	9.32405E-07	0.	2.70278E-08	8.06491E-07
56	1.26218E-07	1.53657E-07	8.46214E-08	2.43657E-07	9.42799E-07	0.	2.73291E-08	8.15482E-07
57	1.27625E-07	1.55369E-07	8.55644E-08	2.46372E-07	9.53304E-07	0.	2.76336E-08	8.24570E-07
58	1.29047E-07	1.57101E-07	8.65181E-08	2.49118E-07	9.63930E-07	0.	2.79416E-08	8.33761E-07
59	1.30485E-07	1.58851E-07	8.74818E-08	2.51893E-07	9.74668E-07	0.	2.82529E-08	8.43048E-07
60	1.31940E-07	1.60623E-07	8.84571E-08	2.54702E-07	9.85534E-07	0.	2.85679E-08	8.52447E-07
61	1.33409E-07	1.62411E-07	8.94425E-08	2.57539E-07	9.96512E-07	0.	2.88861E-08	8.61343E-07
62	1.34896E-07	1.64221E-07	9.04394E-08	2.60409E-07	1.00762E-06	0.	2.92081E-08	8.71550E-07
63	1.36399E-07	1.66052E-07	9.14471E-08	2.63311E-07	1.01884E-06	0.	2.95335E-08	8.81261E-07
64	1.37920E-07	1.67903E-07	9.24665E-08	2.66246E-07	1.03020E-06	0.	2.98627E-08	8.91083E-07
65	1.39456E-07	1.69773E-07	9.34965E-08	2.69212E-07	1.04168E-06	0.	3.01953E-08	9.01010E-07
66	1.41011E-07	1.71666E-07	9.45388E-08	2.72213E-07	1.05329E-06	0.	3.05320E-08	9.11055E-07
67	8.85188E-04	1.08205E-03	6.08318E-04	1.70888E-03	6.61840E-03	2.17473E-07	1.99849E-04	5.71322E-03
68	8.85184E-04	1.08205E-03	6.08315E-04	1.70887E-03	6.61835E-03	2.17473E-07	1.99848E-04	5.71319E-03
69	8.85166E-04	1.08203E-03	6.08304E-04	1.70884E-03	6.61824E-03	2.17473E-07	1.99845E-04	5.71308E-03
70	8.85138E-04	1.08199E-03	6.08284E-04	1.70878E-03	6.61802E-03	2.17473E-07	1.99839E-04	5.71290E-03
71	8.85098E-04	1.08194E-03	6.08257E-04	1.70870E-03	6.61772E-03	2.17473E-07	1.99830E-04	5.71264E-03
72	8.85045E-04	1.08188E-03	6.08223E-04	1.70860E-03	6.61733E-03	2.17473E-07	1.99818E-04	5.71230E-03
73 - 0.	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXI. (Continued)

(photons/cm ³ sec)									
0 DISTRIBUTED SOURCE - G=GROUP NO. N= 16									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	3.52025E-08	1.01431E-06	4.63009E-08	2.23677E-09	2.04652E-09	2.28518E-08	1.90929E-07	0.	
2	3.55948E-08	1.02561E-06	4.68168E-08	2.26170E-09	2.06933E-09	2.31065E-08	1.93057E-07	0.	
3	3.59915E-08	1.03704E-06	4.73386E-08	2.28690E-09	2.09239E-09	2.33640E-08	1.95206E-07	0.	
4	3.63925E-08	1.04860E-06	4.78661E-08	2.31239E-09	2.11571E-09	2.36244E-08	1.97384E-07	0.	
5	3.67981E-08	1.06028E-06	4.83994E-08	2.33815E-09	2.13928E-09	2.38876E-08	1.99583E-07	0.	
6	3.72082E-08	1.07210E-06	4.89388E-08	2.36421E-09	2.16312E-09	2.41538E-08	2.01807E-07	0.	
7	3.76228E-08	1.08404E-06	4.94841E-08	2.39055E-09	2.18723E-09	2.44229E-08	2.04056E-07	0.	
8	3.80420E-08	1.09612E-06	5.00356E-08	2.41719E-09	2.21160E-09	2.46951E-08	2.06330E-07	0.	
9	3.84659E-08	1.10834E-06	5.05931E-08	2.44413E-09	2.23624E-09	2.49703E-08	2.08629E-07	0.	
10	3.88946E-08	1.12069E-06	5.11570E-08	2.47137E-09	2.26117E-09	2.52486E-08	2.10954E-07	0.	
11	3.93280E-08	1.13318E-06	5.17270E-08	2.49891E-09	2.28636E-09	2.55299E-08	2.13305E-07	0.	
12	3.97663E-08	1.14581E-06	5.23035E-08	2.52675E-09	2.31184E-09	2.58144E-08	2.15682E-07	0.	
13	4.02094E-08	1.15857E-06	5.28863E-08	2.55491E-09	2.33760E-09	2.61021E-08	2.18086E-07	0.	
14	4.06574E-08	1.17148E-06	5.34755E-08	2.58338E-09	2.36365E-09	2.63929E-08	2.20515E-07	0.	
15	4.11105E-08	1.18454E-06	5.40714E-08	2.61216E-09	2.38999E-09	2.66870E-08	2.22973E-07	0.	
16	4.15686E-08	1.19774E-06	5.46740E-08	2.64127E-09	2.41662E-09	2.69844E-08	2.25457E-07	0.	
17	4.20319E-08	1.21108E-06	5.52833E-08	2.67071E-09	2.44355E-09	2.72851E-08	2.27970E-07	0.	
18	4.25003E-08	1.22458E-06	5.58993E-08	2.70047E-09	2.47078E-09	2.75892E-08	2.30510E-07	0.	
19	4.29739E-08	1.23823E-06	5.65222E-08	2.73056E-09	2.49831E-09	2.78966E-08	2.33079E-07	0.	
20	4.34500E-08	1.25194E-06	5.71484E-08	2.76081E-09	2.52599E-09	2.82056E-08	2.35661E-07	0.	
21	4.39370E-08	1.26598E-06	5.77890E-08	2.79176E-09	2.55430E-09	2.85218E-08	2.38302E-07	0.	
22	4.44266E-08	1.28008E-06	5.84329E-08	2.82286E-09	2.58277E-09	2.88396E-08	2.40958E-07	0.	
23	4.49217E-08	1.29435E-06	5.90841E-08	2.85432E-09	2.61155E-09	2.91610E-08	2.43643E-07	0.	
24	4.54222E-08	1.30877E-06	5.97424E-08	2.88613E-09	2.64065E-09	2.94859E-08	2.46358E-07	0.	
25	4.59284E-08	1.32335E-06	6.04082E-08	2.91829E-09	2.67007E-09	2.98145E-08	2.49103E-07	0.	
26	4.64402E-08	1.33810E-06	6.10814E-08	2.95081E-09	2.69983E-09	3.01468E-08	2.51879E-07	0.	
27	4.69577E-08	1.35301E-06	6.17620E-08	2.98369E-09	2.72991E-09	3.04827E-08	2.54686E-07	0.	
28	4.74810E-08	1.36809E-06	6.24503E-08	3.01694E-09	2.76033E-09	3.08224E-08	2.57524E-07	0.	
29	4.80101E-08	1.38334E-06	6.31462E-08	3.05056E-09	2.79109E-09	3.11659E-08	2.60394E-07	0.	
30	4.85451E-08	1.39875E-06	6.38499E-08	3.08455E-09	2.82220E-09	3.15132E-08	2.63295E-07	0.	
31	4.90861E-08	1.41434E-06	6.45614E-08	3.11893E-09	2.85365E-09	3.18643E-08	2.66230E-07	0.	
32	4.96331E-08	1.43010E-06	6.52809E-08	3.15368E-09	2.88545E-09	3.22194E-08	2.69196E-07	0.	
33	5.01861E-08	1.44604E-06	6.60083E-08	3.18882E-09	2.91760E-09	3.25784E-08	2.72196E-07	0.	
34	5.07454E-08	1.46215E-06	6.67438E-08	3.22436E-09	2.95011E-09	3.29415E-08	2.75229E-07	0.	
35	5.13109E-08	1.47844E-06	6.74876E-08	3.26029E-09	2.98299E-09	3.33085E-08	2.78296E-07	0.	
36	5.18827E-08	1.49492E-06	6.82397E-08	3.29662E-09	3.01623E-09	3.36797E-08	2.81398E-07	0.	
37	5.24608E-08	1.51158E-06	6.90001E-08	3.33335E-09	3.04984E-09	3.40550E-08	2.84533E-07	0.	
38	5.30454E-08	1.52842E-06	6.97690E-08	3.37050E-09	3.08382E-09	3.44345E-08	2.87704E-07	0.	
39	5.36365E-08	1.54546E-06	7.05465E-08	3.40806E-09	3.11819E-09	3.48183E-08	2.90910E-07	0.	
40	5.42342E-08	1.56267E-06	7.13326E-08	3.44604E-09	3.15294E-09	3.52062E-08	2.94151E-07	0.	

TABLE XXI. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 16

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	5.48386E-08	1.58010E-06	7.21275E-08	3.48444E-09	3.18807E-09	3.55986E-08	2.97430E-07	0.
42	5.54496E-08	1.59770E-06	7.29312E-08	3.52327E-09	3.22360E-09	3.59953E-08	3.00744E-07	0.
43	5.60676E-08	1.61551E-06	7.37440E-08	3.56253E-09	3.25952E-09	3.63964E-08	3.04095E-07	0.
44	5.66924E-08	1.63351E-06	7.45658E-08	3.60223E-09	3.29584E-09	3.68020E-08	3.07484E-07	0.
45	5.73241E-08	1.65172E-06	7.53967E-08	3.64237E-09	3.33257E-09	3.72120E-08	3.10910E-07	0.
46	5.79629E-08	1.67012E-06	7.62369E-08	3.68296E-09	3.36971E-09	3.76267E-08	3.14375E-07	0.
47	5.86088E-08	1.68873E-06	7.70864E-08	3.72400E-09	3.40726E-09	3.80460E-08	3.17878E-07	0.
48	5.92627E-08	1.70756E-06	7.79458E-08	3.76552E-09	3.44524E-09	3.84702E-08	3.21422E-07	0.
49	5.99224E-08	1.72658E-06	7.88141E-08	3.80747E-09	3.48362E-09	3.88987E-08	3.25003E-07	0.
50	6.05903E-08	1.74583E-06	7.96926E-08	3.84990E-09	3.52245E-09	3.93323E-08	3.28625E-07	0.
51	6.12652E-08	1.76527E-06	8.05803E-08	3.89279E-09	3.56169E-09	3.97704E-08	3.32286E-07	0.
52	6.19479E-08	1.78494E-06	8.14782E-08	3.93616E-09	3.60137E-09	4.02136E-08	3.35988E-07	0.
53	6.26382E-08	1.80483E-06	8.23861E-08	3.98002E-09	3.64151E-09	4.06617E-08	3.39732E-07	0.
54	6.33361E-08	1.82494E-06	8.33041E-08	4.02437E-09	3.68208E-09	4.11148E-08	3.43518E-07	0.
55	6.40418E-08	1.84528E-06	8.42322E-08	4.06921E-09	3.72311E-09	4.15729E-08	3.47345E-07	0.
56	6.47557E-08	1.86585E-06	8.51712E-08	4.11458E-09	3.76461E-09	4.20364E-08	3.51217E-07	0.
57	6.54773E-08	1.88664E-06	8.61202E-08	4.16042E-09	3.80656E-09	4.25048E-08	3.55131E-07	0.
58	6.62071E-08	1.90767E-06	8.70802E-08	4.20679E-09	3.84898E-09	4.29786E-08	3.59089E-07	0.
59	6.69447E-08	1.92892E-06	8.80502E-08	4.25365E-09	3.89186E-09	4.34573E-08	3.63089E-07	0.
60	6.76910E-08	1.95042E-06	8.90319E-08	4.30109E-09	3.93525E-09	4.39418E-08	3.67137E-07	0.
61	6.84449E-08	1.97215E-06	9.00236E-08	4.34899E-09	3.97908E-09	4.44313E-08	3.71227E-07	0.
62	6.92078E-08	1.99413E-06	9.10270E-08	4.39746E-09	4.02344E-09	4.49265E-08	3.75364E-07	0.
63	6.99790E-08	2.01635E-06	9.20412E-08	4.44647E-09	4.06827E-09	4.54271E-08	3.79547E-07	0.
64	7.07590E-08	2.03882E-06	9.30671E-08	4.49603E-09	4.11361E-09	4.59334E-08	3.83777E-07	0.
65	7.15472E-08	2.06153E-06	9.41039E-08	4.54612E-09	4.15944E-09	4.64451E-08	3.88052E-07	0.
66	7.23448E-08	2.08452E-06	9.51530E-08	4.59680E-09	4.20581E-09	4.69629E-08	3.92379E-07	0.
67	4.71555E-04	1.30695E-02	6.14646E-04	5.45375E-04	3.85089E-05	2.94315E-04	2.52895E-03	0.
68	4.71552E-04	1.30694E-02	6.14643E-04	5.45375E-04	3.85088E-05	2.94314E-04	2.52894E-03	0.
69	4.71544E-04	1.30691E-02	6.14631E-04	5.45374E-04	3.85083E-05	2.94308E-04	2.52889E-03	0.
70	4.71529E-04	1.30687E-02	6.14613E-04	5.45373E-04	3.85074E-05	2.94299E-04	2.52881E-03	0.
71	4.71508E-04	1.30681E-02	6.14589E-04	5.45372E-04	3.85062E-05	2.94285E-04	2.52870E-03	0.
72	4.71481E-04	1.30673E-02	6.14549E-04	5.45370E-04	3.85047E-05	2.94268E-04	2.52855E-03	0.
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXI. (Continued)

(photons/cm ³ sec)									
0 DISTRIBUTED SOURCE - G=GROUP NO. N= 24									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	1.35513E-07	8.45458E-08	2.93553E-07	1.31263E-08	3.63362E-09	6.81922E-08	0.	2.75654E-06	
2	1.37023E-07	8.54879E-08	2.96825E-07	1.32726E-08	3.67411E-09	6.89521E-08	0.	2.78726E-06	
3	1.38550E-07	8.64406E-08	3.00132E-07	1.34205E-08	3.71505E-09	6.97204E-08	0.	2.81832E-06	
4	1.40094E-07	8.74039E-08	3.03477E-07	1.35701E-08	3.75645E-09	7.04974E-08	0.	2.84972E-06	
5	1.41655E-07	8.83778E-08	3.06859E-07	1.37213E-08	3.79831E-09	7.12830E-08	0.	2.88148E-06	
6	1.43234E-07	8.93627E-08	3.10278E-07	1.38742E-08	3.84064E-09	7.20773E-08	0.	2.91359E-06	
7	1.44830E-07	9.03584E-08	3.13736E-07	1.40288E-08	3.88344E-09	7.28805E-08	0.	2.94606E-06	
8	1.46444E-07	9.13655E-08	3.17232E-07	1.41852E-08	3.92672E-09	7.36927E-08	0.	2.97889E-06	
9	1.48076E-07	9.23835E-08	3.20767E-07	1.43433E-08	3.97047E-09	7.45139E-08	0.	3.01208E-06	
10	1.49726E-07	9.34131E-08	3.24342E-07	1.45031E-08	4.01472E-09	7.53442E-08	0.	3.04565E-06	
11	1.51395E-07	9.44542E-08	3.27956E-07	1.46648E-08	4.05946E-09	7.61840E-08	0.	3.07959E-06	
12	1.53082E-07	9.55067E-08	3.31611E-07	1.48282E-08	4.10470E-09	7.70329E-08	0.	3.11390E-06	
13	1.54788E-07	9.65709E-08	3.35306E-07	1.49934E-08	4.15043E-09	7.78913E-08	0.	3.14861E-06	
14	1.56513E-07	9.76469E-08	3.39042E-07	1.51605E-08	4.19668E-09	7.87591E-08	0.	3.18369E-06	
15	1.58256E-07	9.87350E-08	3.42820E-07	1.53294E-08	4.24344E-09	7.96367E-08	0.	3.21916E-06	
16	1.60020E-07	9.98353E-08	3.46640E-07	1.55002E-08	4.29073E-09	8.05242E-08	0.	3.25504E-06	
17	1.61803E-07	1.00947E-07	3.50503E-07	1.56729E-08	4.33855E-09	8.14215E-08	0.	3.29131E-06	
18	1.63607E-07	1.02072E-07	3.54409E-07	1.58476E-08	4.38689E-09	8.23289E-08	0.	3.32799E-06	
19	1.65430E-07	1.03210E-07	3.58358E-07	1.60242E-08	4.43578E-09	8.32463E-08	0.	3.36507E-06	
20	1.67263E-07	1.04353E-07	3.62328E-07	1.62017E-08	4.48491E-09	8.41685E-08	0.	3.40235E-06	
21	1.69138E-07	1.05523E-07	3.66389E-07	1.63833E-08	4.53518E-09	8.51120E-08	0.	3.44049E-06	
22	1.71022E-07	1.06699E-07	3.70472E-07	1.65659E-08	4.58573E-09	8.60604E-08	0.	3.47882E-06	
23	1.72928E-07	1.07888E-07	3.74601E-07	1.67505E-08	4.63682E-09	8.70194E-08	0.	3.51759E-06	
24	1.74855E-07	1.09090E-07	3.78775E-07	1.69371E-08	4.68850E-09	8.79891E-08	0.	3.55679E-06	
25	1.76804E-07	1.10306E-07	3.82996E-07	1.71259E-08	4.74074E-09	8.89695E-08	0.	3.59642E-06	
26	1.78774E-07	1.11535E-07	3.87264E-07	1.73167E-08	4.79358E-09	8.99610E-08	0.	3.63650E-06	
27	1.80766E-07	1.12778E-07	3.91579E-07	1.75097E-08	4.84699E-09	9.09635E-08	0.	3.67702E-06	
28	1.82780E-07	1.14034E-07	3.95943E-07	1.77048E-08	4.90100E-09	9.19771E-08	0.	3.71800E-06	
29	1.84817E-07	1.15305E-07	4.00355E-07	1.79021E-08	4.95562E-09	9.30020E-08	0.	3.75943E-06	
30	1.86877E-07	1.16590E-07	4.04816E-07	1.81016E-08	5.01084E-09	9.40385E-08	0.	3.80132E-06	
31	1.88959E-07	1.17889E-07	4.09327E-07	1.83033E-08	5.06668E-09	9.50864E-08	0.	3.84368E-06	
32	1.91065E-07	1.19203E-07	4.13889E-07	1.85073E-08	5.12314E-09	9.61460E-08	0.	3.88652E-06	
33	1.93194E-07	1.20531E-07	4.18501E-07	1.87135E-08	5.18023E-09	9.72174E-08	0.	3.92982E-06	
34	1.95347E-07	1.21875E-07	4.23164E-07	1.89220E-08	5.23796E-09	9.83009E-08	0.	3.97362E-06	
35	1.97524E-07	1.23233E-07	4.27880E-07	1.91329E-08	5.29632E-09	9.93962E-08	0.	4.01790E-06	
36	1.99725E-07	1.24606E-07	4.32648E-07	1.93461E-08	5.35535E-09	1.00503E-07	0.	4.06267E-06	
37	2.01950E-07	1.25994E-07	4.37469E-07	1.95617E-08	5.41502E-09	1.01623E-07	0.	4.10794E-06	
38	2.04201E-07	1.27398E-07	4.42344E-07	1.97797E-08	5.47536E-09	1.02756E-07	0.	4.15372E-06	
39	2.06476E-07	1.28818E-07	4.47273E-07	2.00001E-08	5.53638E-09	1.03901E-07	0.	4.20001E-06	
40	2.08777E-07	1.30254E-07	4.52257E-07	2.02229E-08	5.59807E-09	1.05059E-07	0.	4.24681E-06	

TABLE XXI. (Continued)

(photons/cm ³ sec)								
0 DISTRIBUTED SOURCE - G=GROUP NO. N= 24								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	2.11104E-07	1.31705E-07	4.57297E-07	2.04483E-08	5.66046E-09	1.36229E-07	0.	4.29413E-06
42	2.13456E-07	1.33173E-07	4.62393E-07	2.06762E-08	5.72353E-09	1.37413E-07	0.	4.34198E-06
43	2.15835E-07	1.34657E-07	4.67546E-07	2.09066E-08	5.78731E-09	1.38610E-07	0.	4.39037E-06
44	2.18240E-07	1.36157E-07	4.72756E-07	2.11396E-08	5.85180E-09	1.39821E-07	0.	4.43930E-06
45	2.20672E-07	1.37674E-07	4.78024E-07	2.13751E-08	5.91701E-09	1.11044E-07	0.	4.48876E-06
46	2.23131E-07	1.39209E-07	4.83351E-07	2.16133E-08	5.98295E-09	1.12282E-07	0.	4.53878E-06
47	2.25617E-07	1.40760E-07	4.88738E-07	2.18542E-08	6.04962E-09	1.13533E-07	0.	4.58936E-06
48	2.28132E-07	1.42329E-07	4.94187E-07	2.20978E-08	6.11706E-09	1.14799E-07	0.	4.64052E-06
49	2.30674E-07	1.43915E-07	4.99692E-07	2.23440E-08	6.18521E-09	1.16078E-07	0.	4.69223E-06
50	2.33245E-07	1.45519E-07	5.05262E-07	2.25930E-08	6.25415E-09	1.17371E-07	0.	4.74452E-06
51	2.35843E-07	1.47140E-07	5.10890E-07	2.28447E-08	6.32382E-09	1.18679E-07	0.	4.79738E-06
52	2.38471E-07	1.48779E-07	5.16582E-07	2.30992E-08	6.39428E-09	1.20001E-07	0.	4.85084E-06
53	2.41129E-07	1.50437E-07	5.22339E-07	2.33566E-08	6.46553E-09	1.21338E-07	0.	4.90489E-06
54	2.43815E-07	1.52114E-07	5.28159E-07	2.36169E-08	6.53757E-09	1.22690E-07	0.	4.95954E-06
55	2.46532E-07	1.53808E-07	5.34044E-07	2.38800E-08	6.61041E-09	1.24057E-07	0.	5.01480E-06
56	2.49280E-07	1.55523E-07	5.39997E-07	2.41462E-08	6.68410E-09	1.25440E-07	0.	5.07070E-06
57	2.52058E-07	1.57256E-07	5.46014E-07	2.44153E-08	6.75858E-09	1.26838E-07	0.	5.12720E-06
58	2.54867E-07	1.59009E-07	5.52100E-07	2.46874E-08	6.83391E-09	1.28252E-07	0.	5.18435E-06
59	2.57706E-07	1.60780E-07	5.58250E-07	2.49624E-08	6.91004E-09	1.29680E-07	0.	5.24210E-06
60	2.60579E-07	1.62573E-07	5.64474E-07	2.52407E-08	6.98708E-09	1.31126E-07	0.	5.30055E-06
61	2.63482E-07	1.64383E-07	5.70761E-07	2.55219E-08	7.06491E-09	1.32587E-07	0.	5.35959E-06
62	2.66419E-07	1.66217E-07	5.77123E-07	2.58063E-08	7.14365E-09	1.34065E-07	0.	5.41933E-06
63	2.69387E-07	1.68068E-07	5.83553E-07	2.60939E-08	7.22325E-09	1.35559E-07	0.	5.47971E-06
64	2.72390E-07	1.69942E-07	5.90058E-07	2.63847E-08	7.30376E-09	1.37063E-07	0.	5.54079E-06
65	2.75424E-07	1.71835E-07	5.96631E-07	2.66786E-08	7.38513E-09	1.38593E-07	0.	5.60251E-06
66	2.78495E-07	1.73751E-07	6.03283E-07	2.69761E-08	7.46747E-09	1.40141E-07	0.	5.66497E-06
67	2.01940E-03	1.12711E-03	3.97956E-03	2.40235E-04	4.68407E-05	9.76853E-04	1.01206E-06	3.55153E-02
68	2.01939E-03	1.12711E-03	3.97954E-03	2.40234E-04	4.68405E-05	9.76845E-04	1.01206E-06	3.55152E-02
69	2.01935E-03	1.12708E-03	3.97946E-03	2.40231E-04	4.68395E-05	9.76823E-04	1.01206E-06	3.55145E-02
70	2.01930E-03	1.12705E-03	3.97934E-03	2.40226E-04	4.68381E-05	9.76803E-04	1.01206E-06	3.55133E-02
71	2.01922E-03	1.12700E-03	3.97917E-03	2.40218E-04	4.68359E-05	9.76753E-04	1.01206E-06	3.55117E-02
72	2.01911E-03	1.12694E-03	3.97894E-03	2.40208E-04	4.68331E-05	9.76703E-04	1.01206E-06	3.55096E-02
73	0.	0.	0.	0.	0.	0.	0.	0.
INT. 74 THRU INT. 168 SAME AS ABOVE								

TABLE XXI. (Continued)

(photons/cm ³ sec)									
DISTRIBUTED SOURCE - G=GROUP NO. N= 32									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	2.69574E-08	2.98923E-08	1.33232E-08	8.15375E-08	3.43231E-08	2.16218E-06	2.34485E-09	3.38183E-08	
2	2.72578E-08	3.02254E-08	1.34717E-08	8.24461E-08	3.47055E-08	2.18628E-06	2.37098E-09	3.41952E-08	
3	2.75616E-08	3.05623E-08	1.36219E-08	8.33648E-08	3.50923E-08	2.21064E-06	2.39740E-09	3.45762E-08	
4	2.78687E-08	3.09028E-08	1.37737E-08	8.42939E-08	3.54834E-08	2.23528E-06	2.42412E-09	3.49615E-08	
5	2.81792E-08	3.12472E-08	1.39271E-08	8.52331E-08	3.58787E-08	2.26019E-06	2.45113E-09	3.53511E-08	
6	2.84933E-08	3.15954E-08	1.40823E-08	8.61830E-08	3.62786E-08	2.28537E-06	2.47845E-09	3.57451E-08	
7	2.88108E-08	3.19475E-08	1.42393E-08	8.71433E-08	3.66828E-08	2.31084E-06	2.50606E-09	3.61434E-08	
8	2.91318E-08	3.23035E-08	1.43980E-08	8.81144E-08	3.70916E-08	2.33659E-06	2.53399E-09	3.65461E-08	
9	2.94564E-08	3.26635E-08	1.45584E-08	8.90963E-08	3.75049E-08	2.36263E-06	2.56223E-09	3.69534E-08	
10	2.97847E-08	3.30275E-08	1.47207E-08	9.00892E-08	3.79229E-08	2.38896E-06	2.59078E-09	3.73652E-08	
11	3.01166E-08	3.33955E-08	1.48847E-08	9.10931E-08	3.83455E-08	2.41558E-06	2.61965E-09	3.77816E-08	
12	3.04522E-08	3.37677E-08	1.50506E-08	9.21082E-08	3.87728E-08	2.44250E-06	2.64884E-09	3.82026E-08	
13	3.07916E-08	3.41440E-08	1.52183E-08	9.31348E-08	3.92049E-08	2.46972E-06	2.67836E-09	3.86283E-08	
14	3.11347E-08	3.45244E-08	1.53879E-08	9.41723E-08	3.96417E-08	2.49723E-06	2.70820E-09	3.90587E-08	
15	3.14816E-08	3.49091E-08	1.55593E-08	9.52218E-08	4.00834E-08	2.52506E-06	2.73838E-09	3.94939E-08	
16	3.18324E-08	3.52981E-08	1.57327E-08	9.62829E-08	4.05301E-08	2.55320E-06	2.76890E-09	3.99341E-08	
17	3.21871E-08	3.56914E-08	1.59080E-08	9.73557E-08	4.09817E-08	2.58165E-06	2.79975E-09	4.03791E-08	
18	3.25458E-08	3.60892E-08	1.60853E-08	9.84408E-08	4.14384E-08	2.61042E-06	2.83095E-09	4.08290E-08	
19	3.29085E-08	3.64913E-08	1.62646E-08	9.95377E-08	4.19003E-08	2.63951E-06	2.86250E-09	4.12840E-08	
20	3.32731E-08	3.68956E-08	1.64447E-08	1.00640E-07	4.23645E-08	2.66875E-06	2.89421E-09	4.17414E-08	
21	3.36460E-08	3.73092E-08	1.66291E-08	1.01768E-07	4.28394E-08	2.69866E-06	2.92665E-09	4.22094E-08	
22	3.40210E-08	3.77249E-08	1.68144E-08	1.02902E-07	4.33167E-08	2.72873E-06	2.95926E-09	4.26797E-08	
23	3.44001E-08	3.81453E-08	1.70017E-08	1.04049E-07	4.37994E-08	2.75914E-06	2.99224E-09	4.31553E-08	
24	3.47834E-08	3.85703E-08	1.71912E-08	1.05208E-07	4.42875E-08	2.78989E-06	3.02558E-09	4.36362E-08	
25	3.51710E-08	3.90002E-08	1.73828E-08	1.06381E-07	4.47810E-08	2.82098E-06	3.05930E-09	4.41224E-08	
26	3.55629E-08	3.94348E-08	1.75765E-08	1.07566E-07	4.52800E-08	2.85241E-06	3.09339E-09	4.46141E-08	
27	3.59592E-08	3.98742E-08	1.77723E-08	1.08765E-07	4.57846E-08	2.88420E-06	3.12786E-09	4.51113E-08	
28	3.63599E-08	4.03185E-08	1.79704E-08	1.09977E-07	4.62948E-08	2.91634E-06	3.16271E-09	4.56140E-08	
29	3.67651E-08	4.07678E-08	1.81706E-08	1.11202E-07	4.68107E-08	2.94884E-06	3.19796E-09	4.61223E-08	
30	3.71748E-08	4.12221E-08	1.83731E-08	1.12442E-07	4.73323E-08	2.98170E-06	3.23360E-09	4.66362E-08	
31	3.75891E-08	4.16815E-08	1.85779E-08	1.13695E-07	4.78598E-08	3.01492E-06	3.26963E-09	4.71559E-08	
32	3.80079E-08	4.21461E-08	1.87849E-08	1.14962E-07	4.83931E-08	3.04852E-06	3.30606E-09	4.76814E-08	
33	3.84315E-08	4.26157E-08	1.89942E-08	1.16243E-07	4.89324E-08	3.08249E-06	3.34290E-09	4.82127E-08	
34	3.88597E-08	4.30906E-08	1.92059E-08	1.17538E-07	4.94776E-08	3.11684E-06	3.38016E-09	4.87500E-08	
35	3.92928E-08	4.35708E-08	1.94199E-08	1.18848E-07	5.00290E-08	3.15157E-06	3.41782E-09	4.92932E-08	
36	3.97307E-08	4.40563E-08	1.96363E-08	1.20172E-07	5.05865E-08	3.18669E-06	3.45591E-09	4.98426E-08	
37	4.01733E-08	4.45472E-08	1.98551E-08	1.21511E-07	5.11502E-08	3.22220E-06	3.49442E-09	5.03979E-08	
38	4.06210E-08	4.50437E-08	2.00764E-08	1.22865E-07	5.17202E-08	3.25811E-06	3.53336E-09	5.09596E-08	
39	4.10737E-08	4.55456E-08	2.03001E-08	1.24234E-07	5.22965E-08	3.29442E-06	3.57273E-09	5.15274E-08	
40	4.15314E-08	4.60531E-08	2.05263E-08	1.25619E-07	5.28793E-08	3.33113E-06	3.61255E-09	5.21016E-08	

TABLE XXI. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO.

N= 32

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	4.19943E-08	4.65664E-08	2.07550E-08	1.27019E-07	5.34686E-08	3.36825E-06	3.65280E-09	5.26822E-08
42	4.24623E-08	4.70852E-08	2.09863E-08	1.28434E-07	5.40644E-08	3.40578E-06	3.69351E-09	5.32693E-08
43	4.29354E-08	4.76099E-08	2.12202E-08	1.29865E-07	5.46668E-08	3.44373E-06	3.73467E-09	5.38629E-08
44	4.34139E-08	4.81405E-08	2.14566E-08	1.31313E-07	5.52760E-08	3.48211E-06	3.77629E-09	5.44631E-08
45	4.38977E-08	4.86769E-08	2.16957E-08	1.32776E-07	5.58920E-08	3.52091E-06	3.81836E-09	5.50700E-08
46	4.43868E-08	4.92194E-08	2.19375E-08	1.34255E-07	5.65148E-08	3.56019E-06	3.86091E-09	5.56837E-08
47	4.48815E-08	4.97679E-08	2.21820E-08	1.35751E-07	5.71446E-08	3.59982E-06	3.90394E-09	5.63042E-08
48	4.53818E-08	5.03227E-08	2.24293E-08	1.37265E-07	5.77816E-08	3.63995E-06	3.94746E-09	5.69319E-08
49	4.58874E-08	5.08833E-08	2.26791E-08	1.38794E-07	5.84253E-08	3.68050E-06	3.99144E-09	5.75661E-08
50	4.63988E-08	5.14504E-08	2.29319E-08	1.40341E-07	5.90766E-08	3.72153E-06	4.03593E-09	5.82078E-08
51	4.69157E-08	5.20236E-08	2.31874E-08	1.41904E-07	5.97346E-08	3.76298E-06	4.08089E-09	5.88562E-08
52	4.74385E-08	5.26032E-08	2.34457E-08	1.43485E-07	6.04002E-08	3.80491E-06	4.12635E-09	5.95120E-08
53	4.79671E-08	5.31894E-08	2.37070E-08	1.45084E-07	6.10733E-08	3.84731E-06	4.17234E-09	6.01751E-08
54	4.85016E-08	5.37821E-08	2.39711E-08	1.46701E-07	6.17538E-08	3.89018E-06	4.21883E-09	6.08456E-08
55	4.90419E-08	5.43813E-08	2.42382E-08	1.48335E-07	6.24418E-08	3.93352E-06	4.26584E-09	6.15235E-08
56	4.95886E-08	5.49875E-08	2.45084E-08	1.49989E-07	6.31379E-08	3.97737E-06	4.31339E-09	6.22094E-08
57	5.01412E-08	5.56002E-08	2.47815E-08	1.51660E-07	6.38414E-08	4.02169E-06	4.36145E-09	6.29026E-08
58	5.07001E-08	5.62199E-08	2.50577E-08	1.53351E-07	6.45530E-08	4.06652E-06	4.41007E-09	6.36038E-08
59	5.12648E-08	5.68462E-08	2.53368E-08	1.55059E-07	6.52722E-08	4.11181E-06	4.45919E-09	6.43122E-08
60	5.18364E-08	5.74800E-08	2.56193E-08	1.56788E-07	6.59998E-08	4.15766E-06	4.50891E-09	6.50292E-08
61	5.24138E-08	5.81202E-08	2.59047E-08	1.58534E-07	6.67349E-08	4.20397E-06	4.55914E-09	6.57535E-08
62	5.29980E-08	5.87680E-08	2.61934E-08	1.60302E-07	6.74788E-08	4.25082E-06	4.60994E-09	6.64865E-08
63	5.35885E-08	5.94228E-08	2.64853E-08	1.62087E-07	6.82307E-08	4.29819E-06	4.66132E-09	6.72273E-08
64	5.41858E-08	6.00852E-08	2.67805E-08	1.63894E-07	6.89911E-08	4.34609E-06	4.71326E-09	6.79767E-08
65	5.47894E-08	6.07545E-08	2.70788E-08	1.65721E-07	6.97597E-08	4.39451E-06	4.76578E-09	6.87339E-08
66	5.54003E-08	6.14319E-08	2.73807E-08	1.67568E-07	7.05376E-08	4.44350E-06	4.81891E-09	6.95002E-08
67	4.46456E-04	4.14273E-04	1.74203E-04	1.17063E-03	6.75123E-04	2.86628E-02	1.40189E-04	1.38314E-03
68	4.46454E-04	4.14272E-04	1.74203E-04	1.17062E-03	6.75121E-04	2.86626E-02	1.40189E-04	1.38313E-03
69	4.46447E-04	4.14264E-04	1.74199E-04	1.17060E-03	6.75113E-04	2.86621E-02	1.40189E-04	1.38313E-03
70	4.46436E-04	4.14252E-04	1.74194E-04	1.17057E-03	6.75098E-04	2.86612E-02	1.40188E-04	1.38311E-03
71	4.46420E-04	4.14234E-04	1.74186E-04	1.17052E-03	6.75078E-04	2.86599E-02	1.40186E-04	1.38309E-03
72	4.46400E-04	4.14211E-04	1.74176E-04	1.17046E-03	6.75052E-04	2.86583E-02	1.40184E-04	1.38307E-03
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXI. (Continued)

(photons/cm ³ sec)					
DISTRIBUTED SOURCE - G=GROUP NO. N= 40					
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
1	1.30088E-06	4.72549E-07	1.14139E-07	1.63728E-06	1.63961E-06
2	1.31538E-06	4.77815E-07	1.15411E-07	1.65553E-06	1.65788E-06
3	1.33004E-06	4.83139E-07	1.16697E-07	1.67397E-06	1.67635E-06
4	1.34486E-06	4.88525E-07	1.17998E-07	1.69263E-06	1.69503E-06
5	1.35984E-06	4.93968E-07	1.19313E-07	1.71149E-06	1.71392E-06
6	1.37500E-06	4.99473E-07	1.20642E-07	1.73056E-06	1.73302E-06
7	1.39032E-06	5.05039E-07	1.21987E-07	1.74985E-06	1.75233E-06
8	1.40581E-06	5.10667E-07	1.23346E-07	1.76934E-06	1.77186E-06
9	1.42148E-06	5.16357E-07	1.24721E-07	1.78906E-06	1.79160E-06
10	1.43732E-06	5.22112E-07	1.26111E-07	1.80900E-06	1.81157E-06
11	1.45334E-06	5.27930E-07	1.27516E-07	1.82916E-06	1.83176E-06
12	1.46953E-06	5.33813E-07	1.28937E-07	1.84954E-06	1.85217E-06
13	1.48591E-06	5.39761E-07	1.30374E-07	1.87015E-06	1.87281E-06
14	1.50246E-06	5.45775E-07	1.31826E-07	1.89099E-06	1.89368E-06
15	1.51921E-06	5.51857E-07	1.33295E-07	1.91206E-06	1.91478E-06
16	1.53614E-06	5.58007E-07	1.34781E-07	1.93337E-06	1.93612E-06
17	1.55326E-06	5.64225E-07	1.36283E-07	1.95491E-06	1.95769E-06
18	1.57056E-06	5.70512E-07	1.37801E-07	1.97670E-06	1.97951E-06
19	1.58808E-06	5.76870E-07	1.39337E-07	1.99873E-06	2.00157E-06
20	1.60566E-06	5.83261E-07	1.40880E-07	2.02087E-06	2.02374E-06
21	1.62367E-06	5.89798E-07	1.42460E-07	2.04352E-06	2.04642E-06
22	1.64176E-06	5.96370E-07	1.44047E-07	2.06629E-06	2.06923E-06
23	1.66005E-06	6.03016E-07	1.45652E-07	2.08932E-06	2.09229E-06
24	1.67855E-06	6.09735E-07	1.47275E-07	2.11260E-06	2.11560E-06
25	1.69726E-06	6.16530E-07	1.48916E-07	2.13614E-06	2.13917E-06
26	1.71617E-06	6.23401E-07	1.50576E-07	2.15994E-06	2.16301E-06
27	1.73529E-06	6.30347E-07	1.52254E-07	2.18401E-06	2.18712E-06
28	1.75463E-06	6.37372E-07	1.53950E-07	2.20835E-06	2.21149E-06
29	1.77418E-06	6.44474E-07	1.55667E-07	2.23296E-06	2.23613E-06
30	1.79395E-06	6.51656E-07	1.57401E-07	2.25784E-06	2.26105E-06
31	1.81395E-06	6.58918E-07	1.59155E-07	2.28300E-06	2.28625E-06
32	1.83416E-06	6.66261E-07	1.60928E-07	2.30844E-06	2.31172E-06
33	1.85460E-06	6.73685E-07	1.62722E-07	2.33417E-06	2.33748E-06
34	1.87526E-06	6.81192E-07	1.64535E-07	2.36018E-06	2.36353E-06
35	1.89616E-06	6.88783E-07	1.66369E-07	2.38648E-06	2.38987E-06
36	1.91729E-06	6.96459E-07	1.68223E-07	2.41307E-06	2.41650E-06
37	1.93866E-06	7.04219E-07	1.70098E-07	2.43996E-06	2.44343E-06
38	1.96026E-06	7.12067E-07	1.71993E-07	2.46715E-06	2.47066E-06
39	1.98210E-06	7.20002E-07	1.73910E-07	2.49464E-06	2.49819E-06
40	2.00419E-06	7.28025E-07	1.75848E-07	2.52244E-06	2.52603E-06

TABLE XXI. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 40					
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
41	2.02653E-06	7.36138E-07	1.77808E-07	2.55055E-06	2.55418E-06
42	2.04911E-06	7.44341E-07	1.79789E-07	2.57897E-06	2.58264E-06
43	2.07194E-06	7.52635E-07	1.81792E-07	2.60771E-06	2.61142E-06
44	2.09503E-06	7.61023E-07	1.83818E-07	2.63677E-06	2.64052E-06
45	2.11838E-06	7.69503E-07	1.85866E-07	2.66615E-06	2.66994E-06
46	2.14198E-06	7.78078E-07	1.87938E-07	2.69586E-06	2.69970E-06
47	2.16585E-06	7.86748E-07	1.90032E-07	2.72591E-06	2.72978E-06
48	2.19000E-06	7.95519E-07	1.92150E-07	2.75629E-06	2.76021E-06
49	2.21439E-06	8.04381E-07	1.94291E-07	2.78700E-06	2.79036E-06
50	2.23908E-06	8.13347E-07	1.96457E-07	2.81806E-06	2.82237E-06
51	2.26402E-06	8.22408E-07	1.98645E-07	2.84946E-06	2.85351E-06
52	2.28924E-06	8.31572E-07	2.00858E-07	2.88121E-06	2.88530E-06
53	2.31475E-06	8.40838E-07	2.03097E-07	2.91331E-06	2.91745E-06
54	2.34055E-06	8.50208E-07	2.05360E-07	2.94578E-06	2.94995E-06
55	2.36652E-06	8.59680E-07	2.07648E-07	2.97859E-06	2.98283E-06
56	2.39300E-06	8.69263E-07	2.09962E-07	3.01180E-06	3.01608E-06
57	2.41957E-06	8.78949E-07	2.12302E-07	3.04536E-06	3.04969E-06
58	2.44654E-06	8.88746E-07	2.14668E-07	3.07930E-06	3.08368E-06
59	2.47389E-06	8.98646E-07	2.17060E-07	3.11360E-06	3.11803E-06
60	2.50148E-06	9.08665E-07	2.19480E-07	3.14832E-06	3.15279E-06
61	2.52934E-06	9.18787E-07	2.21924E-07	3.18339E-06	3.18791E-06
62	2.55753E-06	9.29027E-07	2.24398E-07	3.21887E-06	3.22344E-06
63	2.58623E-06	9.39379E-07	2.26898E-07	3.25473E-06	3.25936E-06
64	2.61485E-06	9.49849E-07	2.29427E-07	3.29101E-06	3.29569E-06
65	2.64398E-06	9.60430E-07	2.31983E-07	3.32767E-06	3.33240E-06
66	2.67346E-06	9.71138E-07	2.34569E-07	3.36477E-06	3.36955E-06
67	1.81798E-02	6.95119E-03	1.06778E-02	3.71493E-02	4.45386E-02
68	1.81798E-02	6.95116E-03	1.06778E-02	3.71492E-02	4.45305E-02
69	1.81795E-02	6.95105E-03	1.06778E-02	3.71488E-02	4.45301E-02
70	1.81783E-02	6.95086E-03	1.06777E-02	3.71481E-02	4.45294E-02
71	1.81782E-02	6.95058E-03	1.06776E-02	3.71472E-02	4.45284E-02
72	1.81772E-02	6.95021E-03	1.06776E-02	3.71459E-02	4.45272E-02
73	0.	0.	0.	0.	0.
INT. 74 THRU INT. 168 SAME AS ABOVE					

TABLE XXII. GAMMA-RAY SOURCE DATA FOR 3.2PPM URANIUM SOURCE IN DIRT
OVERBURDEN: LAYER 2

G = ENERGY GROUP NUMBER; INT.= SPATIAL INTERVAL NUMBER
(photons/cm³ sec)

Ø DISTRIBUTED SOURCE - G=GROUP NO. N= Ø								
Ø INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	6.09363E-09	2.99846E-07	6.61595E-10	7.38974E-09	1.35607E-06	1.18584E-08	1.07944E-07	4.21718E-06
2	6.16155E-09	3.03187E-07	6.68969E-10	7.47211E-09	1.37119E-06	1.19905E-08	1.09147E-07	4.26418E-06
3	6.23022E-09	3.06566E-07	6.76425E-10	7.55538E-09	1.38647E-06	1.21242E-08	1.10364E-07	4.31170E-06
4	6.29964E-09	3.09982E-07	6.83962E-10	7.63957E-09	1.40192E-06	1.22593E-08	1.11593E-07	4.35975E-06
5	6.36983E-09	3.13436E-07	6.91582E-10	7.72468E-09	1.41753E-06	1.23958E-08	1.12837E-07	4.40832E-06
6	6.44083E-09	3.16929E-07	6.99290E-10	7.81078E-09	1.43333E-06	1.25340E-08	1.14094E-07	4.45746E-06
7	6.51258E-09	3.20461E-07	7.07081E-10	7.89781E-09	1.44930E-06	1.26737E-08	1.15365E-07	4.50712E-06
8	6.58516E-09	3.24032E-07	7.14961E-10	7.98582E-09	1.46546E-06	1.28149E-08	1.16651E-07	4.55735E-06
9	6.65856E-09	3.27643E-07	7.22929E-10	8.07483E-09	1.48179E-06	1.29577E-08	1.17951E-07	4.60814E-06
10	6.73274E-09	3.31293E-07	7.30984E-10	8.16479E-09	1.49830E-06	1.31021E-08	1.19265E-07	4.65948E-06
11	6.80777E-09	3.34986E-07	7.39130E-10	8.25578E-09	1.51500E-06	1.32481E-08	1.20594E-07	4.71141E-06
12	6.88366E-09	3.38719E-07	7.47369E-10	8.34780E-09	1.53188E-06	1.33958E-08	1.21939E-07	4.76393E-06
13	6.96036E-09	3.42494E-07	7.55697E-10	8.44082E-09	1.54896E-06	1.35450E-08	1.23297E-07	4.81702E-06
14	7.03792E-09	3.46310E-07	7.64116E-10	8.53487E-09	1.56621E-06	1.36960E-08	1.24671E-07	4.87069E-06
15	7.11632E-09	3.50168E-07	7.72629E-10	8.62995E-09	1.58366E-06	1.38485E-08	1.26060E-07	4.92495E-06
16	7.19563E-09	3.54071E-07	7.81241E-10	8.72614E-09	1.60131E-06	1.40030E-08	1.27465E-07	4.97984E-06
17	7.27580E-09	3.58015E-07	7.89944E-10	8.82335E-09	1.61916E-06	1.41589E-08	1.28885E-07	5.03532E-06
18	7.35689E-09	3.62005E-07	7.98748E-10	8.92169E-09	1.63720E-06	1.43168E-08	1.30322E-07	5.09143E-06
19	7.43887E-09	3.66040E-07	8.07650E-10	9.02112E-09	1.65545E-06	1.44763E-08	1.31774E-07	5.14818E-06
20	7.52129E-09	3.70095E-07	8.16596E-10	9.12105E-09	1.67378E-06	1.46367E-08	1.33234E-07	5.20521E-06
21	7.60561E-09	3.74244E-07	8.25752E-10	9.22331E-09	1.69255E-06	1.48008E-08	1.34727E-07	5.26356E-06
22	7.69035E-09	3.78413E-07	8.34953E-10	9.32607E-09	1.71141E-06	1.49657E-08	1.36228E-07	5.32221E-06
23	7.77606E-09	3.82631E-07	8.44258E-10	9.43001E-09	1.73049E-06	1.51325E-08	1.37747E-07	5.38153E-06
24	7.86268E-09	3.86893E-07	8.53662E-10	9.53506E-09	1.74976E-06	1.53011E-08	1.39281E-07	5.44147E-06
25	7.95032E-09	3.91206E-07	8.63178E-10	9.64134E-09	1.76927E-06	1.54716E-08	1.40834E-07	5.50213E-06
26	8.03890E-09	3.95564E-07	8.72795E-10	9.74875E-09	1.78898E-06	1.56440E-08	1.42403E-07	5.56342E-06
27	8.12848E-09	3.99972E-07	8.82521E-10	9.85740E-09	1.80891E-06	1.58183E-08	1.43990E-07	5.62542E-06
28	8.21907E-09	4.04430E-07	8.92357E-10	9.96725E-09	1.82907E-06	1.59946E-08	1.45594E-07	5.68812E-06
29	8.31065E-09	4.08936E-07	9.02300E-10	1.00783E-08	1.84945E-06	1.61728E-08	1.47217E-07	5.75150E-06
30	8.40326E-09	4.13493E-07	9.12354E-10	1.01906E-08	1.87006E-06	1.63530E-08	1.48857E-07	5.81559E-06
31	8.49691E-09	4.18101E-07	9.22522E-10	1.03041E-08	1.89090E-06	1.65353E-08	1.50516E-07	5.88040E-06
32	8.59160E-09	4.22761E-07	9.32803E-10	1.04190E-08	1.91198E-06	1.67196E-08	1.52193E-07	5.94593E-06
33	8.68732E-09	4.27471E-07	9.43196E-10	1.05351E-08	1.93328E-06	1.69058E-08	1.53889E-07	6.01218E-06
34	8.78416E-09	4.32236E-07	9.53709E-10	1.06525E-08	1.95483E-06	1.70943E-08	1.55605E-07	6.07919E-06
35	8.88202E-09	4.37051E-07	9.64334E-10	1.07712E-08	1.97661E-06	1.72847E-08	1.57338E-07	6.14692E-06
36	8.98100E-09	4.41922E-07	9.75080E-10	1.08912E-08	1.99863E-06	1.74773E-08	1.59091E-07	6.21542E-06
37	9.08107E-09	4.46846E-07	9.85945E-10	1.10126E-08	2.02090E-06	1.76721E-08	1.60864E-07	6.28468E-06
38	9.18229E-09	4.51826E-07	9.96934E-10	1.11353E-08	2.04343E-06	1.78691E-08	1.62658E-07	6.35472E-06
39	9.28460E-09	4.56860E-07	1.00804E-09	1.12594E-08	2.06619E-06	1.80682E-08	1.64470E-07	6.42553E-06
40	9.38808E-09	4.61952E-07	1.01927E-09	1.13849E-08	2.08922E-06	1.82695E-08	1.66303E-07	6.49714E-06

TABLE XXII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 2								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	9.49269E-09	4.67100E-07	1.03063E-09	1.15117E-08	2.11250E-06	1.84731E-08	1.68157E-07	6.56954E-06
42	9.59846E-09	4.72305E-07	1.04212E-09	1.16400E-08	2.13604E-06	1.86789E-08	1.70030E-07	6.64274E-06
43	9.70544E-09	4.77569E-07	1.05373E-09	1.17697E-08	2.15985E-06	1.88871E-08	1.71925E-07	6.71678E-06
44	9.81357E-09	4.82889E-07	1.06547E-09	1.19009E-08	2.18391E-06	1.90976E-08	1.73841E-07	6.79161E-06
45	9.92295E-09	4.88272E-07	1.07734E-09	1.20335E-08	2.20825E-06	1.93104E-08	1.75778E-07	6.86731E-06
46	1.00335E-08	4.93713E-07	1.08935E-09	1.21676E-08	2.23286E-06	1.95256E-08	1.77737E-07	6.94382E-06
47	1.01453E-08	4.99215E-07	1.10149E-09	1.23032E-08	2.25774E-06	1.97432E-08	1.79718E-07	7.02121E-06
48	1.02584E-08	5.04778E-07	1.11376E-09	1.24403E-08	2.28290E-06	1.99632E-08	1.81720E-07	7.09945E-06
49	1.03727E-08	5.10403E-07	1.12618E-09	1.25789E-08	2.30834E-06	2.01856E-08	1.83745E-07	7.17857E-06
50	1.04882E-08	5.16090E-07	1.13872E-09	1.27191E-08	2.33406E-06	2.04106E-08	1.85793E-07	7.25855E-06
51	1.06051E-08	5.21842E-07	1.15141E-09	1.28608E-08	2.36007E-06	2.06380E-08	1.87864E-07	7.33945E-06
52	1.07233E-08	5.27656E-07	1.16424E-09	1.30041E-08	2.38637E-06	2.08680E-08	1.89956E-07	7.42122E-06
53	1.08428E-08	5.33537E-07	1.17722E-09	1.31491E-08	2.41296E-06	2.11005E-08	1.92074E-07	7.50393E-06
54	1.09636E-08	5.39481E-07	1.19033E-09	1.32956E-08	2.43985E-06	2.13356E-08	1.94214E-07	7.58753E-06
55	1.10858E-08	5.45494E-07	1.20360E-09	1.34437E-08	2.46704E-06	2.15734E-08	1.96378E-07	7.67210E-06
56	1.12093E-08	5.51573E-07	1.21701E-09	1.35936E-08	2.49453E-06	2.18138E-08	1.98566E-07	7.75760E-06
57	1.13342E-08	5.57718E-07	1.23057E-09	1.37450E-08	2.52233E-06	2.20569E-08	2.00779E-07	7.84403E-06
58	1.14606E-08	5.63934E-07	1.24429E-09	1.38983E-08	2.55044E-06	2.23027E-08	2.03017E-07	7.93146E-06
59	1.15883E-08	5.70218E-07	1.25815E-09	1.40532E-08	2.57886E-06	2.25512E-08	2.05279E-07	8.01984E-06
60	1.17174E-08	5.76573E-07	1.27218E-09	1.42098E-08	2.60760E-06	2.28025E-08	2.07566E-07	8.10922E-06
61	1.18480E-08	5.82998E-07	1.28635E-09	1.43681E-08	2.63665E-06	2.30566E-08	2.09879E-07	8.19958E-06
62	1.19800E-08	5.89494E-07	1.30068E-09	1.45282E-08	2.66603E-06	2.33135E-08	2.12218E-07	8.29094E-06
63	2.42089E-05	1.19123E-03	2.62877E-06	2.93581E-05	5.38744E-03	5.36006E-05	4.40632E-04	1.67919E-02
64	2.42089E-05	1.19123E-03	2.62876E-06	2.93581E-05	5.38743E-03	5.36005E-05	4.40632E-04	1.67919E-02
65	2.42085E-05	1.19121E-03	2.62872E-06	2.93576E-05	5.38735E-03	5.35998E-05	4.40625E-04	1.67916E-02
66	2.42079E-05	1.19118E-03	2.62865E-06	2.93568E-05	5.38720E-03	5.35985E-05	4.40613E-04	1.67911E-02
67	2.42069E-05	1.19113E-03	2.62854E-06	2.93556E-05	5.38697E-03	5.35966E-05	4.40595E-04	1.67904E-02
68	2.42055E-05	1.19106E-03	2.62839E-06	2.93539E-05	5.38667E-03	5.35939E-05	4.40571E-04	1.67895E-02
69	2.42038E-05	1.19098E-03	2.62821E-06	2.93519E-05	5.38630E-03	5.35906E-05	4.40541E-04	1.67883E-02
70	2.42018E-05	1.19088E-03	2.62799E-06	2.93495E-05	5.38585E-03	5.35867E-05	4.40506E-04	1.67870E-02
71	2.41995E-05	1.19076E-03	2.62774E-06	2.93467E-05	5.38533E-03	5.35822E-05	4.40465E-04	1.67853E-02
72	2.41968E-05	1.19063E-03	2.62745E-06	2.93434E-05	5.38474E-03	5.35771E-05	4.40417E-04	1.67835E-02
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXII. (Continued)

DISTRIBUTED SOURCE - G=GROUP NO. N= 8 (photons/cm ³ sec)								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.22466E-07	2.70828E-07	1.49148E-07	4.29456E-07	1.66173E-06	0.	4.81688E-08	1.43732E-06
2	2.24946E-07	2.73847E-07	1.50811E-07	4.34242E-07	1.68025E-06	0.	4.87056E-08	1.45334E-06
3	2.27453E-07	2.76899E-07	1.52492E-07	4.39082E-07	1.69898E-06	0.	4.92484E-08	1.46954E-06
4	2.29987E-07	2.79984E-07	1.54191E-07	4.43974E-07	1.71791E-06	0.	4.97972E-08	1.48591E-06
5	2.32549E-07	2.83103E-07	1.55909E-07	4.48921E-07	1.73705E-06	0.	5.03520E-08	1.50247E-06
6	2.35141E-07	2.86259E-07	1.57646E-07	4.53924E-07	1.75641E-06	0.	5.09132E-08	1.51921E-06
7	2.37761E-07	2.89448E-07	1.59404E-07	4.58982E-07	1.77598E-06	0.	5.14805E-08	1.53614E-06
8	2.40411E-07	2.92674E-07	1.61180E-07	4.64097E-07	1.79577E-06	0.	5.20542E-08	1.55327E-06
9	2.43090E-07	2.95936E-07	1.62975E-07	4.69269E-07	1.81578E-06	0.	5.26343E-08	1.57057E-06
10	2.45799E-07	2.99233E-07	1.64792E-07	4.74497E-07	1.83601E-06	0.	5.32207E-08	1.58808E-06
11	2.48538E-07	3.02568E-07	1.66629E-07	4.79785E-07	1.85647E-06	0.	5.38139E-08	1.60576E-06
12	2.51308E-07	3.05940E-07	1.68485E-07	4.85133E-07	1.87717E-06	0.	5.44137E-08	1.62367E-06
13	2.54109E-07	3.09349E-07	1.70364E-07	4.90540E-07	1.89808E-06	0.	5.50200E-08	1.64177E-06
14	2.56940E-07	3.12796E-07	1.72262E-07	4.96006E-07	1.91923E-06	0.	5.56330E-08	1.66006E-06
15	2.59802E-07	3.16281E-07	1.74181E-07	5.01531E-07	1.94061E-06	0.	5.62528E-08	1.67855E-06
16	2.62698E-07	3.19806E-07	1.76122E-07	5.07121E-07	1.96224E-06	0.	5.68798E-08	1.69726E-06
17	2.65625E-07	3.23369E-07	1.78084E-07	5.12771E-07	1.98410E-06	0.	5.75135E-08	1.71617E-06
18	2.68585E-07	3.26973E-07	1.80069E-07	5.18485E-07	2.00621E-06	0.	5.81544E-08	1.73530E-06
19	2.71578E-07	3.30617E-07	1.82076E-07	5.24264E-07	2.02857E-06	0.	5.88026E-08	1.75463E-06
20	2.74587E-07	3.34279E-07	1.84093E-07	5.30071E-07	2.05104E-06	0.	5.94539E-08	1.77407E-06
21	2.77665E-07	3.38027E-07	1.86157E-07	5.36014E-07	2.07404E-06	0.	6.01205E-08	1.79396E-06
22	2.80759E-07	3.41793E-07	1.88231E-07	5.41986E-07	2.09715E-06	0.	6.07903E-08	1.81395E-06
23	2.83888E-07	3.45602E-07	1.90329E-07	5.48027E-07	2.12052E-06	0.	6.14679E-08	1.83417E-06
24	2.87050E-07	3.49452E-07	1.92449E-07	5.54132E-07	2.14414E-06	0.	6.21526E-08	1.85460E-06
25	2.90250E-07	3.53347E-07	1.94594E-07	5.60308E-07	2.16804E-06	0.	6.28454E-08	1.87527E-06
26	2.93483E-07	3.57284E-07	1.96762E-07	5.66551E-07	2.19220E-06	0.	6.35455E-08	1.89616E-06
27	2.96754E-07	3.61265E-07	1.98955E-07	5.72864E-07	2.21663E-06	0.	6.42538E-08	1.91729E-06
28	3.00061E-07	3.65292E-07	2.01172E-07	5.79249E-07	2.24133E-06	0.	6.49698E-08	1.93866E-06
29	3.03405E-07	3.69362E-07	2.03413E-07	5.85703E-07	2.26630E-06	0.	6.56937E-08	1.96026E-06
30	3.06785E-07	3.73478E-07	2.05680E-07	5.92229E-07	2.29156E-06	0.	6.64257E-08	1.98210E-06
31	3.10204E-07	3.77640E-07	2.07972E-07	5.98829E-07	2.31709E-06	0.	6.71660E-08	2.00419E-06
32	3.13661E-07	3.81848E-07	2.10290E-07	6.05503E-07	2.34292E-06	0.	6.79145E-08	2.02653E-06
33	3.17156E-07	3.86103E-07	2.12633E-07	6.12249E-07	2.36902E-06	0.	6.86712E-08	2.04911E-06
34	3.20691E-07	3.90407E-07	2.15003E-07	6.19074E-07	2.39543E-06	0.	6.94366E-08	2.07195E-06
35	3.24264E-07	3.94756E-07	2.17398E-07	6.25971E-07	2.42212E-06	0.	7.02103E-08	2.09503E-06
36	3.27878E-07	3.99155E-07	2.19821E-07	6.32946E-07	2.44911E-06	0.	7.09927E-08	2.11838E-06
37	3.31531E-07	4.03603E-07	2.22270E-07	6.39999E-07	2.47639E-06	0.	7.17837E-08	2.14198E-06
38	3.35226E-07	4.08101E-07	2.24747E-07	6.47132E-07	2.50400E-06	0.	7.25838E-08	2.16586E-06
39	3.38961E-07	4.12648E-07	2.27252E-07	6.54343E-07	2.53190E-06	0.	7.33925E-08	2.18999E-06
40	3.42739E-07	4.17247E-07	2.29785E-07	6.61636E-07	2.56011E-06	0.	7.42106E-08	2.21440E-06

TABLE XXII. (Continued)

DISTRIBUTED SOURCE - G=GROUP NO.		(photons/cm ³ sec)							
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	3.46558E-07	4.21897E-07	2.32345E-07	6.69008E-07	2.58864E-06	0.	7.50375E-08	2.23907E-06	
42	3.50420E-07	4.26598E-07	2.34934E-07	6.76463E-07	2.61749E-06	0.	7.58736E-08	2.26402E-06	
43	3.54325E-07	4.31352E-07	2.37552E-07	6.84002E-07	2.64666E-06	0.	7.67192E-08	2.28925E-06	
44	3.58273E-07	4.36158E-07	2.40199E-07	6.91623E-07	2.67615E-06	0.	7.75740E-08	2.31476E-06	
45	3.62266E-07	4.41019E-07	2.42876E-07	6.99331E-07	2.70597E-06	0.	7.84386E-08	2.34056E-06	
46	3.66303E-07	4.45933E-07	2.45582E-07	7.07123E-07	2.73612E-06	0.	7.93126E-08	2.36664E-06	
47	3.70385E-07	4.50903E-07	2.48319E-07	7.15004E-07	2.76662E-06	0.	8.01965E-08	2.39301E-06	
48	3.74512E-07	4.55928E-07	2.51086E-07	7.22972E-07	2.79745E-06	0.	8.10902E-08	2.41968E-06	
49	3.78686E-07	4.61008E-07	2.53884E-07	7.31028E-07	2.82862E-06	0.	8.19938E-08	2.44664E-06	
50	3.82905E-07	4.66145E-07	2.56713E-07	7.39173E-07	2.86014E-06	0.	8.29073E-08	2.47390E-06	
51	3.87173E-07	4.71340E-07	2.59574E-07	7.47412E-07	2.89201E-06	0.	8.38314E-08	2.50148E-06	
52	3.91486E-07	4.76592E-07	2.62466E-07	7.55739E-07	2.92423E-06	0.	8.47654E-08	2.52934E-06	
53	3.95849E-07	4.81903E-07	2.65391E-07	7.64161E-07	2.95683E-06	0.	8.57101E-08	2.55753E-06	
54	4.00260E-07	4.87274E-07	2.68348E-07	7.72675E-07	2.98977E-06	0.	8.66650E-08	2.58603E-06	
55	4.04721E-07	4.92704E-07	2.71339E-07	7.81287E-07	3.02309E-06	0.	8.76309E-08	2.61485E-06	
56	4.09231E-07	4.98195E-07	2.74363E-07	7.89994E-07	3.05678E-06	0.	8.86075E-08	2.64399E-06	
57	4.13791E-07	5.03746E-07	2.77420E-07	7.98796E-07	3.09084E-06	0.	8.95947E-08	2.67345E-06	
58	4.18402E-07	5.09360E-07	2.80512E-07	8.07698E-07	3.12529E-06	0.	9.05933E-08	2.70325E-06	
59	4.23064E-07	5.15036E-07	2.83637E-07	8.16699E-07	3.16011E-06	0.	9.16027E-08	2.73337E-06	
60	4.27779E-07	5.20775E-07	2.86798E-07	8.25801E-07	3.19533E-06	0.	9.26236E-08	2.76383E-06	
61	4.32546E-07	5.26579E-07	2.89994E-07	8.35003E-07	3.23093E-06	0.	9.36557E-08	2.79463E-06	
62	4.37366E-07	5.32446E-07	2.93225E-07	8.44307E-07	3.26693E-06	0.	9.46993E-08	2.82577E-06	
63	8.85487E-04	1.08242E-03	6.08518E-04	1.70945E-03	6.62062E-03	2.17473E-07	1.99914E-04	5.71515E-03	
64	8.85487E-04	1.08242E-03	6.08518E-04	1.70945E-03	6.62062E-03	2.17473E-07	1.99914E-04	5.71515E-03	
65	8.85473E-04	1.08240E-03	6.08510E-04	1.70943E-03	6.62052E-03	2.17473E-07	1.99911E-04	5.71506E-03	
66	8.85448E-04	1.08237E-03	6.08493E-04	1.70938E-03	6.62034E-03	2.17473E-07	1.99906E-04	5.71490E-03	
67	8.85411E-04	1.08233E-03	6.08467E-04	1.70931E-03	6.62006E-03	2.17473E-07	1.99898E-04	5.71466E-03	
68	8.85362E-04	1.08227E-03	6.08434E-04	1.70921E-03	6.61970E-03	2.17473E-07	1.99887E-04	5.71434E-03	
69	8.85301E-04	1.08219E-03	6.08393E-04	1.70910E-03	6.61923E-03	2.17473E-07	1.99874E-04	5.71395E-03	
70	8.85227E-04	1.08210E-03	6.08345E-04	1.70895E-03	6.61869E-03	2.17473E-07	1.99858E-04	5.71347E-03	
71	8.85142E-04	1.08200E-03	6.08288E-04	1.70879E-03	6.61806E-03	2.17473E-07	1.99839E-04	5.71293E-03	
72	8.85045E-04	1.08188E-03	6.08223E-04	1.70860E-03	6.61733E-03	2.17473E-07	1.99818E-04	5.71230E-03	
73	0.	0.	0.	0.	0.	0.	0.	0.	

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXII. (Continued)

(photons/cm ³ sec)									
0 DISTRIBUTED SOURCE - G=GROUP NO. N= 16									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	1.14134E-07	3.28863E-06	1.50117E-07	7.25213E-09	6.63529E-09	7.40909E-08	6.19036E-07	0.	
2	1.15406E-07	3.32528E-06	1.51791E-07	7.33294E-09	6.70924E-09	7.49167E-08	6.25935E-07	0.	
3	1.16693E-07	3.36234E-06	1.53482E-07	7.41467E-09	6.78402E-09	7.57516E-08	6.32911E-07	0.	
4	1.17993E-07	3.39981E-06	1.55192E-07	7.49730E-09	6.85961E-09	7.65957E-08	6.39964E-07	0.	
5	1.19307E-07	3.43768E-06	1.56921E-07	7.58082E-09	6.93603E-09	7.74491E-08	6.47093E-07	0.	
6	1.20637E-07	3.47600E-06	1.58671E-07	7.66532E-09	7.01334E-09	7.83123E-08	6.54306E-07	0.	
7	1.21981E-07	3.51473E-06	1.60439E-07	7.75072E-09	7.09148E-09	7.91848E-08	6.61596E-07	0.	
8	1.23341E-07	3.55390E-06	1.62227E-07	7.83710E-09	7.17051E-09	8.00673E-08	6.68969E-07	0.	
9	1.24715E-07	3.59350E-06	1.64034E-07	7.92444E-09	7.25042E-09	8.09596E-08	6.76424E-07	0.	
10	1.26105E-07	3.63354E-06	1.65863E-07	8.01274E-09	7.33121E-09	8.18616E-08	6.83961E-07	0.	
11	1.27510E-07	3.67403E-06	1.67710E-07	8.10203E-09	7.41291E-09	8.27739E-08	6.91583E-07	0.	
12	1.28932E-07	3.71499E-06	1.69581E-07	8.19234E-09	7.49554E-09	8.36966E-08	6.99292E-07	0.	
13	1.30368E-07	3.75638E-06	1.71470E-07	8.28363E-09	7.57906E-09	8.46292E-08	7.07084E-07	0.	
14	1.31821E-07	3.79824E-06	1.73381E-07	8.37592E-09	7.66351E-09	8.55721E-08	7.14962E-07	0.	
15	1.33289E-07	3.84055E-06	1.75312E-07	8.46923E-09	7.74889E-09	8.65254E-08	7.22927E-07	0.	
16	1.34775E-07	3.88336E-06	1.77266E-07	8.56363E-09	7.83525E-09	8.74898E-08	7.30985E-07	0.	
17	1.36276E-07	3.92662E-06	1.79241E-07	8.65903E-09	7.92254E-09	8.84645E-08	7.39129E-07	0.	
18	1.37795E-07	3.97038E-06	1.81239E-07	8.75553E-09	8.01083E-09	8.94504E-08	7.47366E-07	0.	
19	1.39331E-07	4.01463E-06	1.83259E-07	8.85311E-09	8.10011E-09	9.04473E-08	7.55695E-07	0.	
20	1.40874E-07	4.05910E-06	1.85289E-07	8.95118E-09	8.18984E-09	9.14492E-08	7.64066E-07	0.	
21	1.42454E-07	4.10461E-06	1.87366E-07	9.05154E-09	8.28166E-09	9.24745E-08	7.72632E-07	0.	
22	1.44041E-07	4.15034E-06	1.89454E-07	9.15239E-09	8.37393E-09	9.35048E-08	7.81241E-07	0.	
23	1.45646E-07	4.19660E-06	1.91565E-07	9.25439E-09	8.46727E-09	9.45469E-08	7.89948E-07	0.	
24	1.47269E-07	4.24335E-06	1.93699E-07	9.35748E-09	8.56159E-09	9.56002E-08	7.98748E-07	0.	
25	1.48910E-07	4.29064E-06	1.95858E-07	9.46178E-09	8.65701E-09	9.66658E-08	8.07651E-07	0.	
26	1.50569E-07	4.33845E-06	1.98040E-07	9.56720E-09	8.75346E-09	9.77428E-08	8.16650E-07	0.	
27	1.52247E-07	4.38679E-06	2.00247E-07	9.67381E-09	8.85101E-09	9.88321E-08	8.25750E-07	0.	
28	1.53944E-07	4.43568E-06	2.02479E-07	9.78163E-09	8.94965E-09	9.99335E-08	8.34953E-07	0.	
29	1.55659E-07	4.48511E-06	2.04735E-07	9.89061E-09	9.04937E-09	1.01047E-07	8.44256E-07	0.	
30	1.57394E-07	4.53508E-06	2.07016E-07	1.00008E-08	9.15021E-09	1.02173E-07	8.53664E-07	0.	
31	1.59149E-07	4.58563E-06	2.09323E-07	1.01122E-08	9.25218E-09	1.03311E-07	8.63177E-07	0.	
32	1.60922E-07	4.63673E-06	2.11656E-07	1.02249E-08	9.35529E-09	1.04463E-07	8.72797E-07	0.	
33	1.62715E-07	4.68839E-06	2.14014E-07	1.03389E-08	9.45953E-09	1.05626E-07	8.82522E-07	0.	
34	1.64529E-07	4.74065E-06	2.16400E-07	1.04541E-08	9.56497E-09	1.06804E-07	8.92359E-07	0.	
35	1.66362E-07	4.79347E-06	2.18811E-07	1.05706E-08	9.67153E-09	1.07994E-07	9.02300E-07	0.	
36	1.68216E-07	4.84689E-06	2.21249E-07	1.06884E-08	9.77930E-09	1.09197E-07	9.12355E-07	0.	
37	1.70089E-07	4.90090E-06	2.23714E-07	1.08075E-08	9.88828E-09	1.10414E-07	9.22521E-07	0.	
38	1.71986E-07	4.95552E-06	2.26208E-07	1.09279E-08	9.99848E-09	1.11645E-07	9.32803E-07	0.	
39	1.73902E-07	5.01074E-06	2.28728E-07	1.10497E-08	1.01099E-08	1.12888E-07	9.43197E-07	0.	
40	1.75841E-07	5.06658E-06	2.31277E-07	1.11728E-08	1.02225E-08	1.14147E-07	9.53709E-07	0.	
41	1.77800E-07	5.12304E-06	2.33855E-07	1.12973E-08	1.03365E-08	1.15419E-07	9.64337E-07	0.	
42	1.79781E-07	5.18012E-06	2.36460E-07	1.14232E-08	1.04516E-08	1.16705E-07	9.75081E-07	0.	

TABLE XXII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 16								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
43	1.81785E-07	5.23786E-06	2.39096E-07	1.15505E-08	1.05681E-08	1.16035E-07	9.85949E-07	0.
44	1.83810E-07	5.29622E-06	2.41760E-07	1.16792E-08	1.06859E-08	1.19320E-07	9.96934E-07	0.
45	1.85859E-07	5.35524E-06	2.44454E-07	1.18094E-08	1.08050E-08	1.20650E-07	1.00804E-06	0.
46	1.87930E-07	5.41491E-06	2.47178E-07	1.19410E-08	1.09253E-08	1.21994E-07	1.01927E-06	0.
47	1.90024E-07	5.47526E-06	2.49933E-07	1.20741E-08	1.10471E-08	1.23354E-07	1.03063E-06	0.
48	1.92142E-07	5.53628E-06	2.52718E-07	1.22086E-08	1.11702E-08	1.24729E-07	1.04212E-06	0.
49	1.94283E-07	5.59737E-06	2.55534E-07	1.23447E-08	1.12947E-08	1.26118E-07	1.05373E-06	0.
50	1.96447E-07	5.66034E-06	2.58381E-07	1.24822E-08	1.14205E-08	1.27524E-07	1.06547E-06	0.
51	1.98637E-07	5.72343E-06	2.61261E-07	1.26213E-08	1.15478E-08	1.28945E-07	1.07735E-06	0.
52	2.00850E-07	5.78719E-06	2.64172E-07	1.27619E-08	1.16765E-08	1.30382E-07	1.08935E-06	0.
53	2.03088E-07	5.85169E-06	2.67116E-07	1.29042E-08	1.18066E-08	1.31835E-07	1.10149E-06	0.
54	2.05351E-07	5.91689E-06	2.70092E-07	1.30479E-08	1.19382E-08	1.33304E-07	1.11376E-06	0.
55	2.07640E-07	5.98283E-06	2.73102E-07	1.31934E-08	1.20712E-08	1.34789E-07	1.12618E-06	0.
56	2.09954E-07	6.04951E-06	2.76146E-07	1.33404E-08	1.22057E-08	1.36291E-07	1.13873E-06	0.
57	2.12293E-07	6.11691E-06	2.79222E-07	1.34891E-08	1.23417E-08	1.37810E-07	1.15141E-06	0.
58	2.14659E-07	6.18508E-06	2.82334E-07	1.36395E-08	1.24793E-08	1.39346E-07	1.16425E-06	0.
59	2.17051E-07	6.25400E-06	2.85480E-07	1.37914E-08	1.26183E-08	1.40898E-07	1.17722E-06	0.
60	2.19470E-07	6.32370E-06	2.88662E-07	1.39451E-08	1.27589E-08	1.42469E-07	1.19034E-06	0.
61	2.21915E-07	6.39416E-06	2.91873E-07	1.41005E-08	1.29011E-08	1.44056E-07	1.20360E-06	0.
62	2.24388E-07	6.46541E-06	2.95131E-07	1.42577E-08	1.30449E-08	1.45661E-07	1.21701E-06	0.
63	4.71708E-04	1.30739E-02	6.14843E-04	5.45385E-04	3.85178E-05	2.54415E-04	2.52978E-03	0.
64	4.71708E-04	1.30739E-02	6.14847E-04	5.45385E-04	3.85178E-05	2.54415E-04	2.52978E-03	0.
65	4.71701E-04	1.30737E-02	6.14838E-04	5.45384E-04	3.85174E-05	2.54410E-04	2.52974E-03	0.
66	4.71688E-04	1.30733E-02	6.14821E-04	5.45383E-04	3.85167E-05	2.54402E-04	2.52967E-03	0.
67	4.71669E-04	1.30728E-02	6.14797E-04	5.45382E-04	3.85156E-05	2.54390E-04	2.52957E-03	0.
68	4.71644E-04	1.30720E-02	6.14763E-04	5.45381E-04	3.85141E-05	2.54373E-04	2.52943E-03	0.
69	4.71613E-04	1.30711E-02	6.14722E-04	5.45379E-04	3.85123E-05	2.54353E-04	2.52926E-03	0.
70	4.71575E-04	1.30700E-02	6.14673E-04	5.45376E-04	3.85101E-05	2.54329E-04	2.52906E-03	0.
71	4.71531E-04	1.30688E-02	6.14614E-04	5.45373E-04	3.85076E-05	2.54300E-04	2.52882E-03	0.
72	4.71481E-04	1.30673E-02	6.14549E-04	5.45370E-04	3.85047E-05	2.54263E-04	2.52855E-03	0.
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXII. (Continued)

DISTRIBUTED SOURCE - G=GROUP NO.		(photons/cm ³ sec)							
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	4.39366E-07	2.74117E-07	9.51767E-07	4.25588E-08	1.17810E-08	2.21095E-07	0.	8.93733E-06	
2	4.44263E-07	2.77172E-07	9.62375E-07	4.30331E-08	1.19123E-08	2.23559E-07	0.	9.03694E-06	
3	4.49214E-07	2.80261E-07	9.73101E-07	4.35127E-08	1.20451E-08	2.26051E-07	0.	9.13766E-06	
4	4.54220E-07	2.83384E-07	9.83944E-07	4.39976E-08	1.21793E-08	2.28569E-07	0.	9.23948E-06	
5	4.59280E-07	2.86541E-07	9.94906E-07	4.44877E-08	1.23150E-08	2.31116E-07	0.	9.34241E-06	
6	4.64399E-07	2.89735E-07	1.00599E-06	4.49836E-08	1.24522E-08	2.33692E-07	0.	9.44654E-06	
7	4.69573E-07	2.92963E-07	1.01720E-06	4.54848E-08	1.25910E-08	2.36296E-07	0.	9.55179E-06	
8	4.74806E-07	2.96228E-07	1.02854E-06	4.59917E-08	1.27313E-08	2.38929E-07	0.	9.65824E-06	
9	4.80098E-07	2.99529E-07	1.04000E-06	4.65042E-08	1.28732E-08	2.41592E-07	0.	9.76588E-06	
10	4.85447E-07	3.02866E-07	1.05159E-06	4.70224E-08	1.30166E-08	2.44283E-07	0.	9.87468E-06	
11	4.90857E-07	3.06242E-07	1.06331E-06	4.75464E-08	1.31617E-08	2.47006E-07	0.	9.98473E-06	
12	4.96328E-07	3.09655E-07	1.07516E-06	4.80764E-08	1.33084E-08	2.49759E-07	0.	1.00960E-05	
13	5.01860E-07	3.13106E-07	1.08714E-06	4.86121E-08	1.34567E-08	2.52542E-07	0.	1.02085E-05	
14	5.07452E-07	3.16594E-07	1.09925E-06	4.91537E-08	1.36066E-08	2.55356E-07	0.	1.03222E-05	
15	5.13105E-07	3.20121E-07	1.11150E-06	4.97013E-08	1.37582E-08	2.58201E-07	0.	1.04372E-05	
16	5.18824E-07	3.23689E-07	1.12389E-06	5.02552E-08	1.39115E-08	2.61078E-07	0.	1.05536E-05	
17	5.24604E-07	3.27295E-07	1.13641E-06	5.08151E-08	1.40666E-08	2.63987E-07	0.	1.06711E-05	
18	5.30450E-07	3.30943E-07	1.14907E-06	5.13814E-08	1.42233E-08	2.66929E-07	0.	1.07901E-05	
19	5.36362E-07	3.34631E-07	1.16188E-06	5.19541E-08	1.43819E-08	2.69904E-07	0.	1.09103E-05	
20	5.42304E-07	3.38339E-07	1.17475E-06	5.25296E-08	1.45412E-08	2.72894E-07	0.	1.10312E-05	
21	5.48384E-07	3.42131E-07	1.18792E-06	5.31185E-08	1.47042E-08	2.75953E-07	0.	1.11549E-05	
22	5.54493E-07	3.45943E-07	1.20115E-06	5.37104E-08	1.48680E-08	2.79028E-07	0.	1.12791E-05	
23	5.60674E-07	3.49799E-07	1.21454E-06	5.43090E-08	1.50338E-08	2.82138E-07	0.	1.14048E-05	
24	5.66919E-07	3.53696E-07	1.22807E-06	5.49140E-08	1.52012E-08	2.85281E-07	0.	1.15319E-05	
25	5.73238E-07	3.57638E-07	1.24176E-06	5.55260E-08	1.53707E-08	2.88460E-07	0.	1.16604E-05	
26	5.79625E-07	3.61622E-07	1.25559E-06	5.61446E-08	1.55419E-08	2.91674E-07	0.	1.17903E-05	
27	5.86084E-07	3.65652E-07	1.26959E-06	5.67703E-08	1.57151E-08	2.94925E-07	0.	1.19217E-05	
28	5.92616E-07	3.69727E-07	1.28374E-06	5.74030E-08	1.58902E-08	2.98212E-07	0.	1.20546E-05	
29	5.99219E-07	3.73847E-07	1.29804E-06	5.80426E-08	1.60673E-08	3.01534E-07	0.	1.21889E-05	
30	6.05896E-07	3.78013E-07	1.31250E-06	5.86894E-08	1.62463E-08	3.04894E-07	0.	1.23247E-05	
31	6.12648E-07	3.82225E-07	1.32713E-06	5.93434E-08	1.64274E-08	3.08292E-07	0.	1.24621E-05	
32	6.19476E-07	3.86485E-07	1.34192E-06	6.00048E-08	1.66105E-08	3.11729E-07	0.	1.26010E-05	
33	6.26378E-07	3.90791E-07	1.35687E-06	6.06733E-08	1.67955E-08	3.15201E-07	0.	1.27414E-05	
34	6.33360E-07	3.95147E-07	1.37200E-06	6.13497E-08	1.69827E-08	3.18714E-07	0.	1.28834E-05	
35	6.40416E-07	3.99550E-07	1.38728E-06	6.20331E-08	1.71719E-08	3.22265E-07	0.	1.30269E-05	
36	6.47552E-07	4.04002E-07	1.40274E-06	6.27244E-08	1.73633E-08	3.25856E-07	0.	1.31721E-05	
37	6.54768E-07	4.08504E-07	1.41837E-06	6.34234E-08	1.75568E-08	3.29487E-07	0.	1.33189E-05	
38	6.62066E-07	4.13057E-07	1.43418E-06	6.41302E-08	1.77525E-08	3.33160E-07	0.	1.34673E-05	
39	6.69443E-07	4.17659E-07	1.45016E-06	6.48448E-08	1.79503E-08	3.36872E-07	0.	1.36174E-05	
40	6.76904E-07	4.22314E-07	1.46632E-06	6.55675E-08	1.81503E-08	3.40626E-07	0.	1.37691E-05	

TABLE XXII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 24								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	6.84447E-07	4.27020E-07	1.48266E-06	6.62981E-08	1.83526E-08	3.44422E-07	0.	1.39226E-05
42	6.92073E-07	4.31778E-07	1.49918E-06	6.70369E-08	1.85571E-08	3.48260E-07	0.	1.40777E-05
43	6.99786E-07	4.36590E-07	1.51589E-06	6.77840E-08	1.87639E-08	3.52141E-07	0.	1.42346E-05
44	7.07583E-07	4.41455E-07	1.53279E-06	6.85392E-08	1.89729E-08	3.56065E-07	0.	1.43932E-05
45	7.15469E-07	4.46375E-07	1.54986E-06	6.93032E-08	1.91844E-08	3.60033E-07	0.	1.45536E-05
46	7.23441E-07	4.51348E-07	1.56713E-06	7.00754E-08	1.93982E-08	3.64045E-07	0.	1.47158E-05
47	7.31504E-07	4.56378E-07	1.58461E-06	7.08563E-08	1.96143E-08	3.68102E-07	0.	1.48798E-05
48	7.39656E-07	4.61464E-07	1.60227E-06	7.16460E-08	1.98329E-08	3.72204E-07	0.	1.50456E-05
49	7.47898E-07	4.66606E-07	1.62011E-06	7.24443E-08	2.00539E-08	3.76351E-07	0.	1.52132E-05
50	7.56231E-07	4.71805E-07	1.63817E-06	7.32514E-08	2.02774E-08	3.80545E-07	0.	1.53828E-05
51	7.64659E-07	4.77064E-07	1.65643E-06	7.40679E-08	2.05034E-08	3.84786E-07	0.	1.55542E-05
52	7.73179E-07	4.82379E-07	1.67489E-06	7.48932E-08	2.07318E-08	3.89073E-07	0.	1.57276E-05
53	7.81796E-07	4.87755E-07	1.69355E-06	7.57278E-08	2.09629E-08	3.93409E-07	0.	1.59028E-05
54	7.90506E-07	4.93189E-07	1.71242E-06	7.65716E-08	2.11964E-08	3.97792E-07	0.	1.60800E-05
55	7.99316E-07	4.98687E-07	1.73151E-06	7.74249E-08	2.14326E-08	4.02226E-07	0.	1.62592E-05
56	8.08224E-07	5.04244E-07	1.75080E-06	7.82878E-08	2.16715E-08	4.05708E-07	0.	1.64404E-05
57	8.17229E-07	5.09863E-07	1.77031E-06	7.91600E-08	2.19130E-08	4.11240E-07	0.	1.66236E-05
58	8.26338E-07	5.15545E-07	1.79004E-06	8.00423E-08	2.21572E-08	4.15823E-07	0.	1.68088E-05
59	8.35546E-07	5.21290E-07	1.80999E-06	8.09341E-08	2.24041E-08	4.20456E-07	0.	1.69961E-05
60	8.44857E-07	5.27099E-07	1.83016E-06	8.18361E-08	2.26537E-08	4.25142E-07	0.	1.71856E-05
61	8.54272E-07	5.32973E-07	1.85055E-06	8.27481E-08	2.29062E-08	4.29880E-07	0.	1.73771E-05
62	8.63791E-07	5.38911E-07	1.87117E-06	8.36701E-08	2.31614E-08	4.34670E-07	0.	1.75708E-05
63	2.01999E-03	1.12748E-03	3.98084E-03	2.40293E-04	4.68565E-05	9.77147E-04	1.01206E-06	3.55274E-02
64	2.01999E-03	1.12748E-03	3.98083E-03	2.40292E-04	4.68565E-05	9.77146E-04	1.01206E-06	3.55273E-02
65	2.01996E-03	1.12746E-03	3.98077E-03	2.40290E-04	4.68558E-05	9.77132E-04	1.01206E-06	3.55268E-02
66	2.01991E-03	1.12743E-03	3.98067E-03	2.40285E-04	4.68545E-05	9.77108E-04	1.01206E-06	3.55258E-02
67	2.01984E-03	1.12739E-03	3.98051E-03	2.40278E-04	4.68525E-05	9.77071E-04	1.01206E-06	3.55243E-02
68	2.01974E-03	1.12733E-03	3.98030E-03	2.40269E-04	4.68499E-05	9.77023E-04	1.01206E-06	3.55223E-02
69	2.01962E-03	1.12725E-03	3.98004E-03	2.40257E-04	4.68467E-05	9.76962E-04	1.01206E-06	3.55199E-02
70	2.01947E-03	1.12716E-03	3.97972E-03	2.40243E-04	4.68428E-05	9.76886E-04	1.01206E-06	3.55169E-02
71	2.01931E-03	1.12705E-03	3.97936E-03	2.40227E-04	4.68383E-05	9.76804E-04	1.01206E-06	3.55135E-02
72	2.01911E-03	1.12694E-03	3.97894E-03	2.40208E-04	4.68331E-05	9.76708E-04	1.01206E-06	3.55096E-02
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO.

N= 32

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	8.74021E-08	9.69179E-08	4.31972E-08	2.64363E-07	1.11283E-07	7.01029E-06	7.60254E-09	1.09646E-07
2	8.83762E-08	9.79981E-08	4.36786E-08	2.67310E-07	1.12523E-07	7.08842E-06	7.68727E-09	1.10868E-07
3	8.93611E-08	9.90901E-08	4.41654E-08	2.70289E-07	1.13777E-07	7.16742E-06	7.77294E-09	1.12104E-07
4	9.03569E-08	1.00194E-07	4.46575E-08	2.73301E-07	1.15045E-07	7.24729E-06	7.85955E-09	1.13353E-07
5	9.13635E-08	1.01310E-07	4.51550E-08	2.76345E-07	1.16327E-07	7.32803E-06	7.94712E-09	1.14616E-07
6	9.23819E-08	1.02439E-07	4.56583E-08	2.79426E-07	1.17623E-07	7.40971E-06	8.03570E-09	1.15894E-07
7	9.34111E-08	1.03581E-07	4.61670E-08	2.82539E-07	1.18934E-07	7.49226E-06	8.12523E-09	1.17185E-07
8	9.44522E-08	1.04735E-07	4.66815E-08	2.85687E-07	1.20259E-07	7.57575E-06	8.21578E-09	1.18491E-07
9	9.55048E-08	1.05902E-07	4.72018E-08	2.88871E-07	1.21600E-07	7.66019E-06	8.30734E-09	1.19811E-07
10	9.65690E-08	1.07082E-07	4.77277E-08	2.92090E-07	1.22954E-07	7.74553E-06	8.39990E-09	1.21146E-07
11	9.76452E-08	1.08276E-07	4.82596E-08	2.95345E-07	1.24325E-07	7.83185E-06	8.49351E-09	1.22496E-07
12	9.87336E-08	1.09483E-07	4.87975E-08	2.98637E-07	1.25710E-07	7.91916E-06	8.58818E-09	1.23862E-07
13	9.98336E-08	1.10703E-07	4.93413E-08	3.01965E-07	1.27111E-07	8.00740E-06	8.68388E-09	1.25242E-07
14	1.00946E-07	1.11936E-07	4.98910E-08	3.05329E-07	1.28527E-07	8.09662E-06	8.78063E-09	1.26637E-07
15	1.02070E-07	1.13183E-07	5.04468E-08	3.08731E-07	1.29959E-07	8.18682E-06	8.87845E-09	1.28048E-07
16	1.03208E-07	1.14445E-07	5.10091E-08	3.12172E-07	1.31408E-07	8.27807E-06	8.97741E-09	1.29475E-07
17	1.04358E-07	1.15720E-07	5.15774E-08	3.15650E-07	1.32872E-07	8.37029E-06	9.07743E-09	1.30918E-07
18	1.05521E-07	1.17009E-07	5.21522E-08	3.19167E-07	1.34353E-07	8.46357E-06	9.17859E-09	1.32377E-07
19	1.06697E-07	1.18313E-07	5.27334E-08	3.22724E-07	1.35850E-07	8.55790E-06	9.28088E-09	1.33852E-07
20	1.07879E-07	1.19624E-07	5.33175E-08	3.26299E-07	1.37355E-07	8.65270E-06	9.38369E-09	1.35335E-07
21	1.09088E-07	1.20965E-07	5.39153E-08	3.29958E-07	1.38895E-07	8.74971E-06	9.48889E-09	1.36852E-07
22	1.10304E-07	1.22313E-07	5.45160E-08	3.33634E-07	1.40442E-07	8.84719E-06	9.59462E-09	1.38377E-07
23	1.11533E-07	1.23676E-07	5.51236E-08	3.37352E-07	1.42008E-07	8.94580E-06	9.70155E-09	1.39919E-07
24	1.12775E-07	1.25054E-07	5.57377E-08	3.41110E-07	1.43589E-07	9.04545E-06	9.80962E-09	1.41478E-07
25	1.14032E-07	1.26448E-07	5.63589E-08	3.44912E-07	1.45190E-07	9.14627E-06	9.91896E-09	1.43055E-07
26	1.15303E-07	1.27856E-07	5.69868E-08	3.48755E-07	1.46808E-07	9.24817E-06	1.00294E-08	1.44649E-07
27	1.16588E-07	1.29281E-07	5.76219E-08	3.52642E-07	1.48444E-07	9.35123E-06	1.01412E-08	1.46261E-07
28	1.17887E-07	1.30722E-07	5.82641E-08	3.56572E-07	1.50098E-07	9.45545E-06	1.02542E-08	1.47891E-07
29	1.19201E-07	1.32178E-07	5.89132E-08	3.60545E-07	1.51770E-07	9.56080E-06	1.03685E-08	1.49538E-07
30	1.20529E-07	1.33651E-07	5.95697E-08	3.64562E-07	1.53462E-07	9.66734E-06	1.04840E-08	1.51205E-07
31	1.21872E-07	1.35141E-07	6.02336E-08	3.68625E-07	1.55172E-07	9.77508E-06	1.06009E-08	1.52890E-07
32	1.23230E-07	1.36647E-07	6.09049E-08	3.72733E-07	1.56901E-07	9.88401E-06	1.07190E-08	1.54594E-07
33	1.24603E-07	1.38169E-07	6.15835E-08	3.76886E-07	1.58649E-07	9.99414E-06	1.08384E-08	1.56316E-07
34	1.25992E-07	1.39709E-07	6.22699E-08	3.81087E-07	1.60418E-07	1.01055E-05	1.09592E-08	1.58059E-07
35	1.27396E-07	1.41266E-07	6.29638E-08	3.85333E-07	1.62205E-07	1.02181E-05	1.10813E-08	1.59819E-07
36	1.28816E-07	1.42840E-07	6.36653E-08	3.89627E-07	1.64012E-07	1.03320E-05	1.12048E-08	1.61600E-07
37	1.30251E-07	1.44432E-07	6.43747E-08	3.93968E-07	1.65841E-07	1.04471E-05	1.13297E-08	1.63402E-07
38	1.31703E-07	1.46041E-07	6.50923E-08	3.98359E-07	1.67688E-07	1.05635E-05	1.14559E-08	1.65223E-07
39	1.33170E-07	1.47669E-07	6.58175E-08	4.02798E-07	1.69557E-07	1.06812E-05	1.15836E-08	1.67063E-07
40	1.34654E-07	1.49315E-07	6.65510E-08	4.07287E-07	1.71448E-07	1.08003E-05	1.17127E-08	1.68926E-07

TABLE XXII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 32

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	1.36155E-07	1.50978E-07	6.72927E-08	4.11826E-07	1.73358E-07	1.09206E-05	1.18432E-08	1.70809E-07
42	1.37672E-07	1.52661E-07	6.80424E-08	4.16414E-07	1.75290E-07	1.10423E-05	1.19752E-08	1.72712E-07
43	1.39206E-07	1.54362E-07	6.88008E-08	4.21055E-07	1.77243E-07	1.11654E-05	1.21087E-08	1.74637E-07
44	1.40757E-07	1.56082E-07	6.95674E-08	4.25747E-07	1.79218E-07	1.12898E-05	1.22436E-08	1.76582E-07
45	1.42326E-07	1.57822E-07	7.03427E-08	4.30492E-07	1.81215E-07	1.14156E-05	1.23800E-08	1.78551E-07
46	1.43912E-07	1.59581E-07	7.11265E-08	4.35288E-07	1.83235E-07	1.15428E-05	1.25180E-08	1.80540E-07
47	1.45516E-07	1.61359E-07	7.19191E-08	4.40140E-07	1.85277E-07	1.16714E-05	1.26575E-08	1.82552E-07
48	1.47137E-07	1.63157E-07	7.27206E-08	4.45044E-07	1.87341E-07	1.18015E-05	1.27985E-08	1.84586E-07
49	1.48777E-07	1.64976E-07	7.35309E-08	4.50004E-07	1.89429E-07	1.19330E-05	1.29411E-08	1.86643E-07
50	1.50435E-07	1.66813E-07	7.43503E-08	4.55018E-07	1.91540E-07	1.20660E-05	1.30853E-08	1.88723E-07
51	1.52111E-07	1.68673E-07	7.51789E-08	4.60089E-07	1.93674E-07	1.22005E-05	1.32312E-08	1.90826E-07
52	1.53806E-07	1.70552E-07	7.60166E-08	4.65215E-07	1.95832E-07	1.23364E-05	1.33786E-08	1.92952E-07
53	1.55520E-07	1.72453E-07	7.68637E-08	4.70400E-07	1.98015E-07	1.24739E-05	1.35277E-08	1.95103E-07
54	1.57253E-07	1.74375E-07	7.77201E-08	4.75641E-07	2.00221E-07	1.26123E-05	1.36784E-08	1.97276E-07
55	1.59007E-07	1.76318E-07	7.85863E-08	4.80942E-07	2.02452E-07	1.27534E-05	1.38308E-08	1.99475E-07
56	1.60778E-07	1.78283E-07	7.94621E-08	4.86301E-07	2.04709E-07	1.28955E-05	1.39851E-08	2.01698E-07
57	1.62570E-07	1.80269E-07	8.03475E-08	4.91720E-07	2.06989E-07	1.30392E-05	1.41409E-08	2.03945E-07
58	1.64382E-07	1.82278E-07	8.12429E-08	4.97201E-07	2.09296E-07	1.31846E-05	1.42985E-08	2.06218E-07
59	1.66212E-07	1.84309E-07	8.21481E-08	5.02741E-07	2.11628E-07	1.33315E-05	1.44578E-08	2.08516E-07
60	1.68066E-07	1.86364E-07	8.30637E-08	5.08344E-07	2.13987E-07	1.34800E-05	1.46190E-08	2.10840E-07
61	1.69939E-07	1.88440E-07	8.39893E-08	5.14008E-07	2.16371E-07	1.36302E-05	1.47819E-08	2.13189E-07
62	1.71832E-07	1.90540E-07	8.49251E-08	5.19736E-07	2.18782E-07	1.37821E-05	1.49466E-08	2.15565E-07
63	4.46573E-04	4.14404E-04	1.74262E-04	1.17099E-03	6.75273E-04	2.36722E-02	1.40199E-04	1.38328E-03
64	4.46573E-04	4.14404E-04	1.74261E-04	1.17098E-03	6.75273E-04	2.36722E-02	1.40199E-04	1.38328E-03
65	4.46568E-04	4.14398E-04	1.74259E-04	1.17097E-03	6.75266E-04	2.36718E-02	1.40199E-04	1.38328E-03
66	4.46558E-04	4.14387E-04	1.74254E-04	1.17094E-03	6.75253E-04	2.36710E-02	1.40198E-04	1.38326E-03
67	4.46543E-04	4.14371E-04	1.74247E-04	1.17090E-03	6.75235E-04	2.36698E-02	1.40197E-04	1.38325E-03
68	4.46524E-04	4.14349E-04	1.74237E-04	1.17084E-03	6.75210E-04	2.36683E-02	1.40195E-04	1.38322E-03
69	4.46500E-04	4.14323E-04	1.74225E-04	1.17076E-03	6.75180E-04	2.36663E-02	1.40193E-04	1.38319E-03
70	4.46471E-04	4.14291E-04	1.74211E-04	1.17068E-03	6.75143E-04	2.36640E-02	1.40191E-04	1.38316E-03
71	4.46438E-04	4.14254E-04	1.74195E-04	1.17058E-03	6.75100E-04	2.36613E-02	1.40188E-04	1.38311E-03
72	4.46400E-04	4.14211E-04	1.74176E-04	1.17046E-03	6.75052E-04	2.36583E-02	1.40184E-04	1.38307E-03
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 40					
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
1	4.21777E-06	1.53211E-06	3.70067E-07	5.30843E-06	5.31597E-06
2	4.26478E-06	1.54920E-06	3.74192E-07	5.36759E-06	5.37522E-06
3	4.31231E-06	1.56645E-06	3.78362E-07	5.42741E-06	5.43513E-06
4	4.36036E-06	1.58392E-06	3.82578E-07	5.48789E-06	5.49569E-06
5	4.40894E-06	1.60155E-06	3.86840E-07	5.54903E-06	5.55692E-06
6	4.45808E-06	1.61941E-06	3.91152E-07	5.61088E-06	5.61885E-06
7	4.50775E-06	1.63746E-06	3.95510E-07	5.67339E-06	5.68146E-06
8	4.55798E-06	1.65570E-06	3.99918E-07	5.73662E-06	5.74477E-06
9	4.60878E-06	1.67416E-06	4.04375E-07	5.80055E-06	5.80880E-06
10	4.66013E-06	1.69281E-06	4.08880E-07	5.86518E-06	5.87351E-06
11	4.71207E-06	1.71167E-06	4.13437E-07	5.93054E-06	5.93897E-06
12	4.76459E-06	1.73075E-06	4.18045E-07	5.99665E-06	6.00517E-06
13	4.81769E-06	1.75004E-06	4.22704E-07	6.06347E-06	6.07209E-06
14	4.87137E-06	1.76954E-06	4.27413E-07	6.13103E-06	6.13974E-06
15	4.92564E-06	1.78925E-06	4.32175E-07	6.19933E-06	6.20814E-06
16	4.98054E-06	1.80919E-06	4.36992E-07	6.26842E-06	6.27733E-06
17	5.03603E-06	1.82935E-06	4.41860E-07	6.33826E-06	6.34727E-06
18	5.09215E-06	1.84974E-06	4.46784E-07	6.40890E-06	6.41801E-06
19	5.14890E-06	1.87035E-06	4.51764E-07	6.48032E-06	6.48953E-06
20	5.20594E-06	1.89107E-06	4.56768E-07	6.55211E-06	6.56142E-06
21	5.26430E-06	1.91227E-06	4.61889E-07	6.62557E-06	6.63498E-06
22	5.32295E-06	1.93358E-06	4.67035E-07	6.69938E-06	6.70891E-06
23	5.38228E-06	1.95513E-06	4.72241E-07	6.77405E-06	6.78368E-06
24	5.44224E-06	1.97691E-06	4.77501E-07	6.84951E-06	6.85925E-06
25	5.50290E-06	1.99894E-06	4.82823E-07	6.92586E-06	6.93570E-06
26	5.56420E-06	2.02121E-06	4.88203E-07	7.00302E-06	7.01297E-06
27	5.62621E-06	2.04374E-06	4.93643E-07	7.08106E-06	7.09112E-06
28	5.68891E-06	2.06651E-06	4.99146E-07	7.15998E-06	7.17015E-06
29	5.75230E-06	2.08954E-06	5.04707E-07	7.23976E-06	7.25004E-06
30	5.81640E-06	2.11282E-06	5.10331E-07	7.32043E-06	7.33083E-06
31	5.88122E-06	2.13637E-06	5.16018E-07	7.40201E-06	7.41253E-06
32	5.94676E-06	2.16018E-06	5.21769E-07	7.48450E-06	7.49514E-06
33	6.01302E-06	2.18424E-06	5.27583E-07	7.56789E-06	7.57865E-06
34	6.08004E-06	2.20859E-06	5.33463E-07	7.65225E-06	7.66312E-06
35	6.14778E-06	2.23320E-06	5.39407E-07	7.73750E-06	7.74850E-06
36	6.21629E-06	2.25808E-06	5.45418E-07	7.82372E-06	7.83484E-06
37	6.28556E-06	2.28324E-06	5.51495E-07	7.91091E-06	7.92215E-06
38	6.35561E-06	2.30869E-06	5.57642E-07	7.99908E-06	8.01044E-06
39	6.42643E-06	2.33442E-06	5.63855E-07	8.08821E-06	8.09970E-06
40	6.49805E-06	2.36043E-06	5.70139E-07	8.17836E-06	8.18998E-06

TABLE XXII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 40

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
41	6.57046E-06	2.38574E-06	5.76493E-07	8.26949E-06	8.28124E-06
42	6.64367E-06	2.41333E-06	5.82916E-07	8.36163E-06	8.37352E-06
43	6.71772E-06	2.44023E-06	5.89413E-07	8.45482E-06	8.46684E-06
44	6.79256E-06	2.46742E-06	5.95980E-07	8.54902E-06	8.56117E-06
45	6.86827E-06	2.49491E-06	6.02622E-07	8.64431E-06	8.65659E-06
46	6.94480E-06	2.52271E-06	6.09337E-07	8.74062E-06	8.75304E-06
47	7.02220E-06	2.55083E-06	6.16128E-07	8.83804E-06	8.85060E-06
48	7.10045E-06	2.57926E-06	6.22994E-07	8.93652E-06	8.94922E-06
49	7.17957E-06	2.60800E-06	6.29936E-07	9.03611E-06	9.04895E-06
50	7.25957E-06	2.63705E-06	6.36955E-07	9.13679E-06	9.14977E-06
51	7.34048E-06	2.66645E-06	6.44054E-07	9.23862E-06	9.25175E-06
52	7.42226E-06	2.69615E-06	6.51229E-07	9.34155E-06	9.35483E-06
53	7.50498E-06	2.72620E-06	6.58487E-07	9.44566E-06	9.45908E-06
54	7.58860E-06	2.75658E-06	6.65824E-07	9.55090E-06	9.56447E-06
55	7.67317E-06	2.78730E-06	6.73244E-07	9.65734E-06	9.67107E-06
56	7.75868E-06	2.81836E-06	6.80747E-07	9.76497E-06	9.77885E-06
57	7.84514E-06	2.84976E-06	6.88332E-07	9.87377E-06	9.88780E-06
58	7.93256E-06	2.88152E-06	6.96003E-07	9.98381E-06	9.99800E-06
59	8.02095E-06	2.91363E-06	7.03759E-07	1.00950E-05	1.01094E-05
60	8.11035E-06	2.94610E-06	7.11602E-07	1.02075E-05	1.02220E-05
61	8.20073E-06	2.97893E-06	7.19531E-07	1.03213E-05	1.03359E-05
62	8.29210E-06	3.01212E-06	7.27549E-07	1.04363E-05	1.04511E-05
63	1.81853E-02	6.95325E-03	1.06783E-02	3.71565E-02	4.45377E-02
64	1.81853E-02	6.95325E-03	1.06783E-02	3.71565E-02	4.45377E-02
65	1.81853E-02	6.95315E-03	1.06783E-02	3.71561E-02	4.45374E-02
66	1.81848E-02	6.95299E-03	1.06782E-02	3.71555E-02	4.45368E-02
67	1.81841E-02	6.95273E-03	1.06782E-02	3.71547E-02	4.45359E-02
68	1.81832E-02	6.95239E-03	1.06781E-02	3.71535E-02	4.45347E-02
69	1.81820E-02	6.95197E-03	1.06780E-02	3.71520E-02	4.45333E-02
70	1.81806E-02	6.95147E-03	1.06779E-02	3.71503E-02	4.45315E-02
71	1.81790E-02	6.95087E-03	1.06777E-02	3.71482E-02	4.45295E-02
72	1.81772E-02	6.95021E-03	1.06776E-02	3.71459E-02	4.45272E-02
73	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXIII. GAMMA-RAY SOURCE DATA FOR 3.2PPM URANIUM SOURCE IN DIRT OVERBURDEN LAYER 3

G = ENERGY GROUP NUMBER; INT.= SPATIAL INTERVAL NUMBER

		(photons/cm ³ sec)							
0 DISTRIBUTED SOURCE - G=GROUP NO.		N= 0							
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	1.47614E-08	7.26351E-07	1.60266E-09	1.79011E-08	3.28498E-06	2.87260E-08	2.61487E-07	1.02157E-05	
2	1.49259E-08	7.34445E-07	1.62052E-09	1.81006E-08	3.32159E-06	2.90461E-08	2.64401E-07	1.03296E-05	
3	1.50922E-08	7.42629E-07	1.63858E-09	1.83023E-08	3.35860E-06	2.93698E-08	2.67347E-07	1.04447E-05	
4	1.52604E-08	7.50905E-07	1.65684E-09	1.85062E-08	3.39603E-06	2.96971E-08	2.70326E-07	1.05611E-05	
5	1.54304E-08	7.59273E-07	1.67530E-09	1.87125E-08	3.43387E-06	3.00280E-08	2.73338E-07	1.06788E-05	
6	1.56024E-08	7.67735E-07	1.69397E-09	1.89210E-08	3.47214E-06	3.03627E-08	2.76385E-07	1.07978E-05	
7	1.57763E-08	7.76289E-07	1.71285E-09	1.91318E-08	3.51083E-06	3.07010E-08	2.79464E-07	1.09181E-05	
8	1.59521E-08	7.84939E-07	1.73194E-09	1.93450E-08	3.54995E-06	3.10431E-08	2.82578E-07	1.10398E-05	
9	1.61298E-08	7.93686E-07	1.75123E-09	1.95606E-08	3.58951E-06	3.13890E-08	2.85727E-07	1.11628E-05	
10	1.63096E-08	8.02532E-07	1.77075E-09	1.97786E-08	3.62952E-06	3.17389E-08	2.88912E-07	1.12872E-05	
11	1.64913E-08	8.11474E-07	1.79048E-09	1.99990E-08	3.66990E-06	3.20925E-08	2.92131E-07	1.14130E-05	
12	1.66751E-08	8.20517E-07	1.81043E-09	2.02218E-08	3.71085E-06	3.24501E-08	2.95386E-07	1.15401E-05	
13	1.68609E-08	8.29661E-07	1.83061E-09	2.04472E-08	3.75221E-06	3.28117E-08	2.98678E-07	1.16687E-05	
14	1.70488E-08	8.38905E-07	1.85101E-09	2.06750E-08	3.79401E-06	3.31773E-08	3.02006E-07	1.17987E-05	
15	1.72387E-08	8.48253E-07	1.87163E-09	2.09054E-08	3.83629E-06	3.35470E-08	3.05371E-07	1.19302E-05	
16	1.74309E-08	8.57707E-07	1.89249E-09	2.11383E-08	3.87904E-06	3.39209E-08	3.08774E-07	1.20632E-05	
17	1.76251E-08	8.67264E-07	1.91358E-09	2.13739E-08	3.92227E-06	3.42989E-08	3.12215E-07	1.21976E-05	
18	1.78215E-08	8.76928E-07	1.93490E-09	2.16121E-08	3.96597E-06	3.46811E-08	3.15694E-07	1.23335E-05	
19	1.80201E-08	8.86701E-07	1.95647E-09	2.18529E-08	4.01017E-06	3.50676E-08	3.19212E-07	1.24710E-05	
20	1.82197E-08	8.96523E-07	1.97814E-09	2.20950E-08	4.05459E-06	3.54560E-08	3.22748E-07	1.26091E-05	
21	1.84239E-08	9.06572E-07	2.00031E-09	2.23426E-08	4.10004E-06	3.58534E-08	3.26366E-07	1.27505E-05	
22	1.86292E-08	9.16675E-07	2.02260E-09	2.25916E-08	4.14573E-06	3.62530E-08	3.30003E-07	1.28925E-05	
23	1.88368E-08	9.26889E-07	2.04514E-09	2.28434E-08	4.19193E-06	3.66570E-08	3.33680E-07	1.30362E-05	
24	1.90467E-08	9.37218E-07	2.06793E-09	2.30979E-08	4.23864E-06	3.70655E-08	3.37399E-07	1.31815E-05	
25	1.92590E-08	9.47663E-07	2.09097E-09	2.33553E-08	4.28588E-06	3.74785E-08	3.41158E-07	1.33284E-05	
26	1.94736E-08	9.58223E-07	2.11428E-09	2.36156E-08	4.33364E-06	3.78961E-08	3.44960E-07	1.34769E-05	
27	1.96906E-08	9.68900E-07	2.13784E-09	2.38787E-08	4.38193E-06	3.83184E-08	3.48804E-07	1.36271E-05	
28	1.99100E-08	9.79698E-07	2.16166E-09	2.41448E-08	4.43076E-06	3.87454E-08	3.52691E-07	1.37789E-05	
29	2.01319E-08	9.90615E-07	2.18575E-09	2.44139E-08	4.48013E-06	3.91772E-08	3.56621E-07	1.39325E-05	
30	2.03562E-08	1.00165E-06	2.21010E-09	2.46860E-08	4.53006E-06	3.96138E-08	3.60595E-07	1.40877E-05	
31	2.05831E-08	1.01281E-06	2.23473E-09	2.49610E-08	4.58054E-06	4.00552E-08	3.64613E-07	1.42447E-05	
32	2.08124E-08	1.02410E-06	2.25964E-09	2.52392E-08	4.63158E-06	4.05016E-08	3.68677E-07	1.44035E-05	
33	2.10443E-08	1.03551E-06	2.28481E-09	2.55204E-08	4.68319E-06	4.09529E-08	3.72785E-07	1.45640E-05	
34	2.12789E-08	1.04705E-06	2.31028E-09	2.58048E-08	4.73539E-06	4.14092E-08	3.76939E-07	1.47263E-05	
35	2.15160E-08	1.05872E-06	2.33602E-09	2.60924E-08	4.78816E-06	4.18707E-08	3.81140E-07	1.48904E-05	
36	2.17557E-08	1.07052E-06	2.36205E-09	2.63831E-08	4.84151E-06	4.23374E-08	3.85387E-07	1.50563E-05	
37	2.19982E-08	1.08245E-06	2.38837E-09	2.66772E-08	4.89547E-06	4.28092E-08	3.89682E-07	1.52241E-05	
38	2.22433E-08	1.09451E-06	2.41499E-09	2.69744E-08	4.95001E-06	4.32862E-08	3.94023E-07	1.53937E-05	
39	2.24912E-08	1.10670E-06	2.44190E-09	2.72750E-08	5.00517E-06	4.37685E-08	3.98414E-07	1.55653E-05	
40	2.27418E-08	1.11904E-06	2.46911E-09	2.75789E-08	5.06095E-06	4.42563E-08	4.02854E-07	1.57387E-05	

TABLE XXIII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO.

N= 0

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	2.29952E-08	1.13151E-06	2.49662E-09	2.78863E-08	5.11735E-06	4.47495E-08	4.07343E-07	1.59141E-05
42	2.32515E-08	1.14412E-06	2.52445E-09	2.81970E-08	5.17438E-06	4.52481E-08	4.11883E-07	1.60914E-05
43	2.35106E-08	1.15386E-06	2.55258E-09	2.85112E-08	5.23203E-06	4.57523E-08	4.16472E-07	1.62707E-05
44	2.37726E-08	1.16376E-06	2.58102E-09	2.88290E-08	5.29034E-06	4.62622E-08	4.21114E-07	1.64521E-05
45	2.40375E-08	1.18279E-06	2.60978E-09	2.91502E-08	5.34929E-06	4.67777E-08	4.25806E-07	1.66354E-05
46	2.43054E-08	1.19597E-06	2.63887E-09	2.94750E-08	5.40890E-06	4.72980E-08	4.30551E-07	1.68209E-05
47	2.45762E-08	1.20930E-06	2.66827E-09	2.98035E-08	5.46917E-06	4.78260E-08	4.35349E-07	1.70082E-05
48	2.48501E-08	1.22278E-06	2.69800E-09	3.01356E-08	5.53012E-06	4.83590E-08	4.40200E-07	1.71977E-05
49	2.51270E-08	1.23640E-06	2.72807E-09	3.04714E-08	5.59175E-06	4.88979E-08	4.45105E-07	1.73895E-05
50	2.54070E-08	1.25018E-06	2.75847E-09	3.08110E-08	5.65406E-06	4.94428E-08	4.50066E-07	1.75833E-05
51	2.56901E-08	1.26411E-06	2.78921E-09	3.11543E-08	5.71706E-06	4.99937E-08	4.55081E-07	1.77792E-05
52	2.59764E-08	1.27820E-06	2.82029E-09	3.15015E-08	5.78078E-06	5.05509E-08	4.60153E-07	1.79772E-05
53	2.62658E-08	1.29244E-06	2.85172E-09	3.18525E-08	5.84519E-06	5.11142E-08	4.65280E-07	1.81777E-05
54	2.65585E-08	1.30684E-06	2.88349E-09	3.22075E-08	5.91032E-06	5.16837E-08	4.70464E-07	1.83801E-05
55	2.68545E-08	1.32141E-06	2.91563E-09	3.25664E-08	5.97619E-06	5.22597E-08	4.75707E-07	1.85849E-05
56	2.71537E-08	1.33613E-06	2.94812E-09	3.29293E-08	6.04278E-06	5.28420E-08	4.81008E-07	1.87921E-05
57	2.74563E-08	1.35102E-06	2.98097E-09	3.32962E-08	6.11012E-06	5.34309E-08	4.86369E-07	1.90016E-05
58	2.42246E-05	1.19200E-03	2.63047E-06	2.93771E-05	5.39092E-03	5.36310E-05	4.40909E-04	1.68027E-02
59	2.42247E-05	1.19200E-03	2.63048E-06	2.93773E-05	5.39095E-03	5.36313E-05	4.40912E-04	1.68028E-02
60	2.42245E-05	1.19200E-03	2.63046E-06	2.93771E-05	5.39091E-03	5.36310E-05	4.40909E-04	1.68027E-02
61	2.42240E-05	1.19197E-03	2.63041E-06	2.93764E-05	5.39080E-03	5.36301E-05	4.40900E-04	1.68023E-02
62	2.42232E-05	1.19193E-03	2.63031E-06	2.93754E-05	5.39061E-03	5.36283E-05	4.40885E-04	1.68018E-02
63	2.42220E-05	1.19187E-03	2.63019E-06	2.93740E-05	5.39035E-03	5.36262E-05	4.40864E-04	1.68009E-02
64	2.42205E-05	1.19180E-03	2.63003E-06	2.93722E-05	5.39002E-03	5.36232E-05	4.40838E-04	1.67999E-02
65	2.42187E-05	1.19171E-03	2.62983E-06	2.93700E-05	5.38961E-03	5.36196E-05	4.40806E-04	1.67987E-02
66	2.42166E-05	1.19160E-03	2.62960E-06	2.93674E-05	5.38914E-03	5.36155E-05	4.40768E-04	1.67972E-02
67	2.42141E-05	1.19148E-03	2.62933E-06	2.93644E-05	5.38859E-03	5.36107E-05	4.40724E-04	1.67955E-02
68	2.42113E-05	1.19135E-03	2.62902E-06	2.93610E-05	5.38796E-03	5.36052E-05	4.40674E-04	1.67935E-02
69	2.42082E-05	1.19119E-03	2.62868E-06	2.93572E-05	5.38727E-03	5.35991E-05	4.40619E-04	1.67914E-02
70	2.42047E-05	1.19102E-03	2.62831E-06	2.93530E-05	5.38650E-03	5.35924E-05	4.40557E-04	1.67890E-02
71	2.42009E-05	1.19083E-03	2.62790E-06	2.93484E-05	5.38565E-03	5.35850E-05	4.40490E-04	1.67863E-02
72	2.41968E-05	1.19063E-03	2.62745E-06	2.93434E-05	5.38474E-03	5.35771E-05	4.40417E-04	1.67835E-02
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXIII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 8									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	5.38906E-07	6.56059E-07	3.61301E-07	1.04032E-06	4.02539E-06	0.	1.16684E-07	3.48180E-06	
2	5.44911E-07	6.63370E-07	3.65327E-07	1.05191E-06	4.07025E-06	0.	1.17985E-07	3.52060E-06	
3	5.50983E-07	6.70762E-07	3.69398E-07	1.06363E-06	4.11560E-06	0.	1.19299E-07	3.55983E-06	
4	5.57123E-07	6.78236E-07	3.73514E-07	1.07549E-06	4.16146E-06	0.	1.20629E-07	3.59950E-06	
5	5.63332E-07	6.85795E-07	3.77677E-07	1.08747E-06	4.20784E-06	0.	1.21973E-07	3.63961E-06	
6	5.69610E-07	6.93438E-07	3.81886E-07	1.09959E-06	4.25473E-06	0.	1.23332E-07	3.68017E-06	
7	5.75957E-07	7.01164E-07	3.86141E-07	1.11184E-06	4.30214E-06	0.	1.24707E-07	3.72118E-06	
8	5.82375E-07	7.08978E-07	3.90444E-07	1.12423E-06	4.35008E-06	0.	1.26096E-07	3.76264E-06	
9	5.88864E-07	7.16878E-07	3.94795E-07	1.13676E-06	4.39856E-06	0.	1.27501E-07	3.80457E-06	
10	5.95427E-07	7.24868E-07	3.99195E-07	1.14943E-06	4.44758E-06	0.	1.28923E-07	3.84698E-06	
11	6.02062E-07	7.32944E-07	4.03643E-07	1.16224E-06	4.49713E-06	0.	1.30359E-07	3.88984E-06	
12	6.08771E-07	7.41112E-07	4.08141E-07	1.17519E-06	4.54725E-06	0.	1.31812E-07	3.93318E-06	
13	6.15555E-07	7.49370E-07	4.12689E-07	1.18828E-06	4.59792E-06	0.	1.33281E-07	3.97701E-06	
14	6.22413E-07	7.57720E-07	4.17287E-07	1.20152E-06	4.64915E-06	0.	1.34766E-07	4.02133E-06	
15	6.29349E-07	7.66163E-07	4.21937E-07	1.21491E-06	4.70096E-06	0.	1.36267E-07	4.06614E-06	
16	6.36363E-07	7.74702E-07	4.26639E-07	1.22845E-06	4.75336E-06	0.	1.37786E-07	4.11145E-06	
17	6.43454E-07	7.83334E-07	4.31393E-07	1.24214E-06	4.80631E-06	0.	1.39321E-07	4.15727E-06	
18	6.50624E-07	7.92063E-07	4.36200E-07	1.25598E-06	4.85988E-06	0.	1.40874E-07	4.20359E-06	
19	6.57875E-07	8.00890E-07	4.41062E-07	1.26998E-06	4.91404E-06	0.	1.42444E-07	4.25044E-06	
20	6.65162E-07	8.09762E-07	4.45947E-07	1.28405E-06	4.96848E-06	0.	1.44022E-07	4.29752E-06	
21	6.72618E-07	8.18839E-07	4.50946E-07	1.29844E-06	5.02417E-06	0.	1.45636E-07	4.34569E-06	
22	6.80113E-07	8.27965E-07	4.55971E-07	1.31291E-06	5.08016E-06	0.	1.47259E-07	4.39412E-06	
23	6.87692E-07	8.37191E-07	4.61052E-07	1.32754E-06	5.13676E-06	0.	1.48900E-07	4.44308E-06	
24	6.95355E-07	8.46520E-07	4.66190E-07	1.34233E-06	5.19401E-06	0.	1.50559E-07	4.49260E-06	
25	7.03104E-07	8.55953E-07	4.71385E-07	1.35729E-06	5.25189E-06	0.	1.52237E-07	4.54266E-06	
26	7.10939E-07	8.65492E-07	4.76638E-07	1.37242E-06	5.31041E-06	0.	1.53933E-07	4.59328E-06	
27	7.18862E-07	8.75136E-07	4.81949E-07	1.38771E-06	5.36959E-06	0.	1.55649E-07	4.64447E-06	
28	7.26872E-07	8.84888E-07	4.87321E-07	1.40318E-06	5.42943E-06	0.	1.57383E-07	4.69623E-06	
29	7.34972E-07	8.94749E-07	4.92750E-07	1.41881E-06	5.48993E-06	0.	1.59137E-07	4.74855E-06	
30	7.43162E-07	9.04720E-07	4.98242E-07	1.43462E-06	5.55110E-06	0.	1.60910E-07	4.80148E-06	
31	7.51443E-07	9.14801E-07	5.03794E-07	1.45061E-06	5.61296E-06	0.	1.62703E-07	4.85498E-06	
32	7.59818E-07	9.24996E-07	5.09409E-07	1.46677E-06	5.67551E-06	0.	1.64517E-07	4.90909E-06	
33	7.68284E-07	9.35303E-07	5.15085E-07	1.48312E-06	5.73875E-06	0.	1.66351E-07	4.96379E-06	
34	7.76846E-07	9.45726E-07	5.20825E-07	1.49965E-06	5.80270E-06	0.	1.68205E-07	5.01910E-06	
35	7.85503E-07	9.56265E-07	5.26629E-07	1.51637E-06	5.86737E-06	0.	1.70079E-07	5.07504E-06	
36	7.94256E-07	9.66920E-07	5.32497E-07	1.53325E-06	5.93275E-06	0.	1.71974E-07	5.13159E-06	
37	8.03107E-07	9.77696E-07	5.38432E-07	1.55034E-06	5.99887E-06	0.	1.73891E-07	5.18878E-06	
38	8.12055E-07	9.88589E-07	5.44431E-07	1.56763E-06	6.06570E-06	0.	1.75828E-07	5.24659E-06	
39	8.21105E-07	9.99606E-07	5.50497E-07	1.58508E-06	6.13330E-06	0.	1.77788E-07	5.30506E-06	
40	8.30256E-07	1.01074E-06	5.56632E-07	1.60276E-06	6.20165E-06	0.	1.79769E-07	5.36418E-06	

TABLE XXIII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 8								
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	8.39508E-07	1.02201E-06	5.62835E-07	1.62061E-06	6.27076E-06	0.	1.81772E-07	5.42395E-06
42	8.48863E-07	1.03340E-06	5.69107E-07	1.63867E-06	6.34064E-06	0.	1.83798E-07	5.48439E-06
43	8.58322E-07	1.04491E-06	5.75449E-07	1.65693E-06	6.41129E-06	0.	1.85846E-07	5.54551E-06
44	8.67888E-07	1.05655E-06	5.81862E-07	1.67540E-06	6.48274E-06	0.	1.87917E-07	5.60731E-06
45	8.77558E-07	1.06833E-06	5.88345E-07	1.69406E-06	6.55497E-06	0.	1.90011E-07	5.66979E-06
46	8.87337E-07	1.08023E-06	5.94902E-07	1.71295E-06	6.62802E-06	0.	1.92128E-07	5.73297E-06
47	8.97225E-07	1.09227E-06	6.01531E-07	1.73204E-06	6.70188E-06	0.	1.94269E-07	5.79685E-06
48	9.07223E-07	1.10444E-06	6.08234E-07	1.75134E-06	6.77656E-06	0.	1.96434E-07	5.86145E-06
49	9.17333E-07	1.11675E-06	6.15012E-07	1.77086E-06	6.85208E-06	0.	1.98623E-07	5.92677E-06
50	9.27555E-07	1.12919E-06	6.21865E-07	1.79059E-06	6.92843E-06	0.	2.00836E-07	5.99281E-06
51	9.37892E-07	1.14178E-06	6.28795E-07	1.81054E-06	7.00564E-06	0.	2.03074E-07	6.05959E-06
52	9.48344E-07	1.15450E-06	6.35803E-07	1.83072E-06	7.08372E-06	0.	2.05337E-07	6.12713E-06
53	9.58911E-07	1.16737E-06	6.42887E-07	1.85112E-06	7.16265E-06	0.	2.07625E-07	6.19540E-06
54	9.69596E-07	1.18037E-06	6.50051E-07	1.87175E-06	7.24246E-06	0.	2.09939E-07	6.26443E-06
55	9.80401E-07	1.19353E-06	6.57295E-07	1.89260E-06	7.32317E-06	0.	2.12279E-07	6.33425E-06
56	9.91327E-07	1.20683E-06	6.64620E-07	1.91370E-06	7.40477E-06	0.	2.14644E-07	6.40483E-06
57	1.00237E-06	1.22028E-06	6.72026E-07	1.93502E-06	7.48729E-06	0.	2.17036E-07	6.47620E-06
58	8.86059E-04	1.08311E-03	6.08901E-04	1.71056E-03	6.62490E-03	2.17473E-07	2.00038E-04	5.71884E-03
59	8.86064E-04	1.08312E-03	6.08905E-04	1.71057E-03	6.62493E-03	2.17473E-07	2.00039E-04	5.71888E-03
60	8.86057E-04	1.08311E-03	6.08901E-04	1.71056E-03	6.62488E-03	2.17473E-07	2.00038E-04	5.71884E-03
61	8.86039E-04	1.08309E-03	6.08888E-04	1.71052E-03	6.62475E-03	2.17473E-07	2.00034E-04	5.71872E-03
62	8.86008E-04	1.08305E-03	6.08867E-04	1.71046E-03	6.62452E-03	2.17473E-07	2.00027E-04	5.71852E-03
63	8.85966E-04	1.08300E-03	6.08840E-04	1.71038E-03	6.62420E-03	2.17473E-07	2.00018E-04	5.71824E-03
64	8.85911E-04	1.08294E-03	6.08803E-04	1.71027E-03	6.62379E-03	2.17473E-07	2.00006E-04	5.71789E-03
65	8.85845E-04	1.08285E-03	6.08759E-04	1.71015E-03	6.62331E-03	2.17473E-07	1.99992E-04	5.71746E-03
66	8.85767E-04	1.08276E-03	6.08707E-04	1.70999E-03	6.62271E-03	2.17473E-07	1.99975E-04	5.71696E-03
67	8.85576E-04	1.08265E-03	6.08646E-04	1.70982E-03	6.62205E-03	2.17473E-07	1.99955E-04	5.71637E-03
68	8.85574E-04	1.08252E-03	6.08578E-04	1.70962E-03	6.62128E-03	2.17473E-07	1.99933E-04	5.71572E-03
69	8.85460E-04	1.08239E-03	6.08501E-04	1.70940E-03	6.62043E-03	2.17473E-07	1.99908E-04	5.71497E-03
70	8.85334E-04	1.08223E-03	6.08416E-04	1.70916E-03	6.61948E-03	2.17473E-07	1.99881E-04	5.71416E-03
71	8.85195E-04	1.08206E-03	6.08322E-04	1.70889E-03	6.61844E-03	2.17473E-07	1.99851E-04	5.71326E-03
72	8.85045E-04	1.08188E-03	6.08223E-04	1.70860E-03	6.61733E-03	2.17473E-07	1.99818E-04	5.71230E-03
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXIII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 16								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.76482E-07	7.96644E-06	3.63648E-07	1.75677E-08	1.60735E-08	1.79479E-07	1.49956E-06	0.
2	2.79563E-07	8.05521E-06	3.67701E-07	1.77635E-08	1.62526E-08	1.81480E-07	1.51628E-06	0.
3	2.82678E-07	8.14497E-06	3.71798E-07	1.79614E-08	1.64337E-08	1.83502E-07	1.53317E-06	0.
4	2.85828E-07	8.23574E-06	3.75941E-07	1.81616E-08	1.66168E-08	1.85547E-07	1.55025E-06	0.
5	2.89014E-07	8.32752E-06	3.80131E-07	1.83640E-08	1.68020E-08	1.87614E-07	1.56754E-06	0.
6	2.92235E-07	8.42032E-06	3.84367E-07	1.85686E-08	1.69893E-08	1.89705E-07	1.58500E-06	0.
7	2.95491E-07	8.51414E-06	3.88650E-07	1.87755E-08	1.71786E-08	1.91819E-07	1.60267E-06	0.
8	2.98784E-07	8.60902E-06	3.92981E-07	1.89847E-08	1.73700E-08	1.93956E-07	1.62052E-06	0.
9	3.02113E-07	8.70495E-06	3.97360E-07	1.91963E-08	1.75636E-08	1.96118E-07	1.63857E-06	0.
10	3.05480E-07	8.80197E-06	4.01788E-07	1.94102E-08	1.77593E-08	1.98304E-07	1.65685E-06	0.
11	3.08884E-07	8.90004E-06	4.06265E-07	1.96265E-08	1.79572E-08	2.00513E-07	1.67531E-06	0.
12	3.12326E-07	8.99922E-06	4.10792E-07	1.98452E-08	1.81573E-08	2.02747E-07	1.69397E-06	0.
13	3.15806E-07	9.09950E-06	4.15370E-07	2.00664E-08	1.83596E-08	2.05007E-07	1.71285E-06	0.
14	3.19325E-07	9.20089E-06	4.19998E-07	2.02899E-08	1.85642E-08	2.07291E-07	1.73194E-06	0.
15	3.22883E-07	9.30342E-06	4.24678E-07	2.05160E-08	1.87711E-08	2.09601E-07	1.75124E-06	0.
16	3.26482E-07	9.40710E-06	4.29411E-07	2.07447E-08	1.89803E-08	2.11937E-07	1.77075E-06	0.
17	3.30120E-07	9.51193E-06	4.34196E-07	2.09758E-08	1.91917E-08	2.14298E-07	1.79048E-06	0.
18	3.33798E-07	9.61792E-06	4.39035E-07	2.12096E-08	1.94056E-08	2.16686E-07	1.81044E-06	0.
19	3.37518E-07	9.72510E-06	4.43927E-07	2.14459E-08	1.96219E-08	2.19101E-07	1.83061E-06	0.
20	3.41257E-07	9.83283E-06	4.48845E-07	2.16835E-08	1.98392E-08	2.21528E-07	1.85089E-06	0.
21	3.45082E-07	9.94304E-06	4.53876E-07	2.19265E-08	2.00616E-08	2.24011E-07	1.87164E-06	0.
22	3.48928E-07	1.00538E-05	4.58934E-07	2.21709E-08	2.02852E-08	2.26508E-07	1.89249E-06	0.
23	3.52816E-07	1.01659E-05	4.64048E-07	2.24179E-08	2.05112E-08	2.29032E-07	1.91358E-06	0.
24	3.56747E-07	1.02791E-05	4.69219E-07	2.26678E-08	2.07398E-08	2.31584E-07	1.93491E-06	0.
25	3.60723E-07	1.03937E-05	4.74448E-07	2.29204E-08	2.09709E-08	2.34165E-07	1.95647E-06	0.
26	3.64743E-07	1.05095E-05	4.79735E-07	2.31758E-08	2.12046E-08	2.36774E-07	1.97827E-06	0.
27	3.68807E-07	1.06266E-05	4.85081E-07	2.34340E-08	2.14409E-08	2.39413E-07	2.00032E-06	0.
28	3.72917E-07	1.07450E-05	4.90487E-07	2.36952E-08	2.16798E-08	2.42080E-07	2.02261E-06	0.
29	3.77072E-07	1.08648E-05	4.95953E-07	2.39592E-08	2.19214E-08	2.44778E-07	2.04514E-06	0.
30	3.81274E-07	1.09858E-05	5.01480E-07	2.42262E-08	2.21657E-08	2.47506E-07	2.06793E-06	0.
31	3.85523E-07	1.11083E-05	5.07068E-07	2.44962E-08	2.24127E-08	2.50264E-07	2.09098E-06	0.
32	3.89819E-07	1.12321E-05	5.12718E-07	2.47692E-08	2.26624E-08	2.53053E-07	2.11428E-06	0.
33	3.94163E-07	1.13572E-05	5.18431E-07	2.50452E-08	2.29149E-08	2.55872E-07	2.13784E-06	0.
34	3.98556E-07	1.14838E-05	5.24209E-07	2.53243E-08	2.31703E-08	2.58724E-07	2.16166E-06	0.
35	4.02997E-07	1.16118E-05	5.30051E-07	2.56065E-08	2.34285E-08	2.61607E-07	2.18575E-06	0.
36	4.07488E-07	1.17411E-05	5.35957E-07	2.58918E-08	2.36896E-08	2.64522E-07	2.21011E-06	0.
37	4.12029E-07	1.18720E-05	5.41930E-07	2.61803E-08	2.39536E-08	2.67470E-07	2.23474E-06	0.
38	4.16619E-07	1.20043E-05	5.47968E-07	2.64720E-08	2.42205E-08	2.70450E-07	2.25964E-06	0.
39	4.21262E-07	1.21380E-05	5.54074E-07	2.67670E-08	2.44904E-08	2.73464E-07	2.28482E-06	0.
40	4.25957E-07	1.22733E-05	5.60249E-07	2.70653E-08	2.47633E-08	2.76511E-07	2.31028E-06	0.

TABLE XXIII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 16								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	4.30703E-07	1.24101E-05	5.66492E-07	2.73669E-08	2.50392E-08	2.79593E-07	2.33602E-06	0.
42	4.35503E-07	1.25484E-05	5.72805E-07	2.76719E-08	2.53183E-08	2.82708E-07	2.36206E-06	0.
43	4.40356E-07	1.26882E-05	5.79188E-07	2.79802E-08	2.56004E-08	2.85858E-07	2.38838E-06	0.
44	4.45263E-07	1.28296E-05	5.85642E-07	2.82921E-08	2.58857E-08	2.89044E-07	2.41499E-06	0.
45	4.50225E-07	1.29726E-05	5.92168E-07	2.86073E-08	2.61741E-08	2.92265E-07	2.44190E-06	0.
46	4.55242E-07	1.31171E-05	5.98767E-07	2.89261E-08	2.64658E-08	2.95522E-07	2.46911E-06	0.
47	4.60315E-07	1.32633E-05	6.05439E-07	2.92484E-08	2.67607E-08	2.98815E-07	2.49663E-06	0.
48	4.65444E-07	1.34111E-05	6.12186E-07	2.95744E-08	2.70589E-08	3.02145E-07	2.52445E-06	0.
49	4.70631E-07	1.35605E-05	6.19008E-07	2.99039E-08	2.73605E-08	3.05512E-07	2.55258E-06	0.
50	4.75876E-07	1.37116E-05	6.25906E-07	3.02372E-08	2.76654E-08	3.08916E-07	2.58103E-06	0.
51	4.81179E-07	1.38644E-05	6.32880E-07	3.05741E-08	2.79736E-08	3.12359E-07	2.60979E-06	0.
52	4.86541E-07	1.40190E-05	6.39934E-07	3.09149E-08	2.82854E-08	3.15840E-07	2.63887E-06	0.
53	4.91963E-07	1.41752E-05	6.47064E-07	3.12593E-08	2.86006E-08	3.19359E-07	2.66828E-06	0.
54	4.97444E-07	1.43331E-05	6.54274E-07	3.16076E-08	2.89193E-08	3.22918E-07	2.69801E-06	0.
55	5.02989E-07	1.44928E-05	6.61566E-07	3.19599E-08	2.92416E-08	3.26516E-07	2.72807E-06	0.
56	5.08594E-07	1.46543E-05	6.68938E-07	3.23160E-08	2.95674E-08	3.30155E-07	2.75847E-06	0.
57	5.14261E-07	1.48176E-05	6.76392E-07	3.26761E-08	2.98969E-08	3.33834E-07	2.78921E-06	0.
58	4.72002E-04	1.30823E-02	6.15234E-04	5.45403E-04	3.85349E-05	2.94605E-04	2.53137E-03	0.
59	4.72004E-04	1.30824E-02	6.15237E-04	5.45404E-04	3.85350E-05	2.94607E-04	2.53138E-03	0.
60	4.72001E-04	1.30823E-02	6.15233E-04	5.45403E-04	3.85349E-05	2.94605E-04	2.53137E-03	0.
61	4.71991E-04	1.30820E-02	6.15220E-04	5.45403E-04	3.85343E-05	2.94599E-04	2.53132E-03	0.
62	4.71975E-04	1.30816E-02	6.15199E-04	5.45402E-04	3.85334E-05	2.94588E-04	2.53123E-03	0.
63	4.71954E-04	1.30810E-02	6.15170E-04	5.45400E-04	3.85321E-05	2.94574E-04	2.53111E-03	0.
64	4.71926E-04	1.30802E-02	6.15133E-04	5.45399E-04	3.85305E-05	2.94556E-04	2.53096E-03	0.
65	4.71892E-04	1.30792E-02	6.15089E-04	5.45397E-04	3.85285E-05	2.94534E-04	2.53078E-03	0.
66	4.71852E-04	1.30780E-02	6.15037E-04	5.45394E-04	3.85262E-05	2.94508E-04	2.53056E-03	0.
67	4.71805E-04	1.30767E-02	6.14976E-04	5.45391E-04	3.85235E-05	2.94478E-04	2.53031E-03	0.
68	4.71753E-04	1.30752E-02	6.14907E-04	5.45388E-04	3.85204E-05	2.94444E-04	2.53002E-03	0.
69	4.71694E-04	1.30735E-02	6.14829E-04	5.45384E-04	3.85170E-05	2.94406E-04	2.52970E-03	0.
70	4.71630E-04	1.30716E-02	6.14743E-04	5.45380E-04	3.85133E-05	2.94364E-04	2.52935E-03	0.
71	4.71558E-04	1.30696E-02	6.14651E-04	5.45375E-04	3.85091E-05	2.94318E-04	2.52897E-03	0.
72	4.71481E-04	1.30673E-02	6.14549E-04	5.45370E-04	3.85047E-05	2.94268E-04	2.52855E-03	0.
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXIII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO.

N= 24

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	1.06433E-06	6.64025E-07	2.30558E-06	1.03095E-07	2.85386E-08	5.35584E-07	0.	2.16500E-05
2	1.07619E-06	6.71425E-07	2.33127E-06	1.04244E-07	2.88566E-08	5.41552E-07	0.	2.18912E-05
3	1.08818E-06	6.78907E-07	2.35725E-06	1.05405E-07	2.91781E-08	5.47587E-07	0.	2.21352E-05
4	1.10030E-06	6.86472E-07	2.38352E-06	1.06580E-07	2.95033E-08	5.53689E-07	0.	2.23818E-05
5	1.11257E-06	6.94122E-07	2.41008E-06	1.07767E-07	2.98321E-08	5.59859E-07	0.	2.26313E-05
6	1.12497E-06	7.01858E-07	2.43694E-06	1.08968E-07	3.01646E-08	5.66099E-07	0.	2.28835E-05
7	1.13750E-06	7.09678E-07	2.46409E-06	1.10183E-07	3.05007E-08	5.72406E-07	0.	2.31384E-05
8	1.15018E-06	7.17587E-07	2.49155E-06	1.11410E-07	3.08405E-08	5.78785E-07	0.	2.33963E-05
9	1.16299E-06	7.25583E-07	2.51932E-06	1.12652E-07	3.11842E-08	5.85234E-07	0.	2.36570E-05
10	1.17595E-06	7.33670E-07	2.54740E-06	1.13907E-07	3.15318E-08	5.91757E-07	0.	2.39207E-05
11	1.18906E-06	7.41844E-07	2.57578E-06	1.15177E-07	3.18831E-08	5.98350E-07	0.	2.41872E-05
12	1.20231E-06	7.50111E-07	2.60448E-06	1.16460E-07	3.22384E-08	6.05018E-07	0.	2.44567E-05
13	1.21571E-06	7.58470E-07	2.63350E-06	1.17758E-07	3.25976E-08	6.11760E-07	0.	2.47293E-05
14	1.22925E-06	7.66921E-07	2.66285E-06	1.19070E-07	3.29608E-08	6.18576E-07	0.	2.50048E-05
15	1.24295E-06	7.75467E-07	2.69252E-06	1.20397E-07	3.33281E-08	6.25469E-07	0.	2.52834E-05
16	1.25680E-06	7.84109E-07	2.72253E-06	1.21739E-07	3.36995E-08	6.32440E-07	0.	2.55652E-05
17	1.27081E-06	7.92846E-07	2.75286E-06	1.23095E-07	3.40751E-08	6.39487E-07	0.	2.58501E-05
18	1.28497E-06	8.01681E-07	2.78354E-06	1.24467E-07	3.44548E-08	6.46613E-07	0.	2.61381E-05
19	1.29929E-06	8.10615E-07	2.81456E-06	1.25854E-07	3.48387E-08	6.53819E-07	0.	2.64294E-05
20	1.31368E-06	8.19595E-07	2.84574E-06	1.27248E-07	3.52247E-08	6.61062E-07	0.	2.67222E-05
21	1.32840E-06	8.28782E-07	2.87763E-06	1.28674E-07	3.56195E-08	6.68471E-07	0.	2.70217E-05
22	1.34321E-06	8.38018E-07	2.90970E-06	1.30108E-07	3.60164E-08	6.75921E-07	0.	2.73228E-05
23	1.35817E-06	8.47356E-07	2.94213E-06	1.31558E-07	3.64178E-08	6.83453E-07	0.	2.76273E-05
24	1.37331E-06	8.56799E-07	2.97491E-06	1.33024E-07	3.68236E-08	6.91069E-07	0.	2.79352E-05
25	1.38861E-06	8.66347E-07	3.00806E-06	1.34506E-07	3.72339E-08	6.98770E-07	0.	2.82465E-05
26	1.40409E-06	8.76001E-07	3.04158E-06	1.36005E-07	3.76489E-08	7.06557E-07	0.	2.85612E-05
27	1.41973E-06	8.85763E-07	3.07548E-06	1.37521E-07	3.80684E-08	7.14430E-07	0.	2.88795E-05
28	1.43556E-06	8.95634E-07	3.10975E-06	1.39053E-07	3.84926E-08	7.22392E-07	0.	2.92013E-05
29	1.45155E-06	9.05614E-07	3.14440E-06	1.40603E-07	3.89215E-08	7.30441E-07	0.	2.95267E-05
30	1.46773E-06	9.15706E-07	3.17944E-06	1.42170E-07	3.93553E-08	7.38581E-07	0.	2.98558E-05
31	1.48408E-06	9.25909E-07	3.21487E-06	1.43754E-07	3.97938E-08	7.46811E-07	0.	3.01884E-05
32	1.50062E-06	9.36228E-07	3.25070E-06	1.45356E-07	4.02373E-08	7.55134E-07	0.	3.05243E-05
33	1.51734E-06	9.46660E-07	3.28692E-06	1.46976E-07	4.06856E-08	7.63548E-07	0.	3.08650E-05
34	1.53425E-06	9.57210E-07	3.32355E-06	1.48614E-07	4.11390E-08	7.72057E-07	0.	3.12090E-05
35	1.55136E-06	9.67876E-07	3.36059E-06	1.50270E-07	4.15975E-08	7.80661E-07	0.	3.15567E-05
36	1.56864E-06	9.78661E-07	3.39803E-06	1.51944E-07	4.20611E-08	7.89360E-07	0.	3.19084E-05
37	1.58613E-06	9.89568E-07	3.43590E-06	1.53637E-07	4.25299E-08	7.98156E-07	0.	3.22640E-05
38	1.60379E-06	1.00059E-06	3.47419E-06	1.55349E-07	4.30037E-08	8.07049E-07	0.	3.26235E-05
39	1.62167E-06	1.01174E-06	3.51290E-06	1.57080E-07	4.34829E-08	8.16044E-07	0.	3.29870E-05
40	1.63975E-06	1.02302E-06	3.55205E-06	1.58831E-07	4.39675E-08	8.25137E-07	0.	3.33546E-05

TABLE XXIII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO.

N= 24

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	1.65802E-06	1.03442E-06	3.59163E-06	1.60601E-07	4.44574E-08	8.34333E-07	0.	3.37263E-05
42	1.67649E-06	1.04594E-06	3.63166E-06	1.62391E-07	4.49529E-08	8.43630E-07	0.	3.41021E-05
43	1.69518E-06	1.05760E-06	3.67212E-06	1.64201E-07	4.54538E-08	8.53031E-07	0.	3.44821E-05
44	1.71407E-06	1.06938E-06	3.71305E-06	1.66031E-07	4.59603E-08	8.62537E-07	0.	3.48664E-05
45	1.73317E-06	1.08130E-06	3.75442E-06	1.67881E-07	4.64725E-08	8.72148E-07	0.	3.52549E-05
46	1.75248E-06	1.09335E-06	3.79626E-06	1.69752E-07	4.69903E-08	8.81867E-07	0.	3.56478E-05
47	1.77201E-06	1.10553E-06	3.83856E-06	1.71643E-07	4.75140E-08	8.91694E-07	0.	3.60450E-05
48	1.79175E-06	1.11785E-06	3.88134E-06	1.73556E-07	4.80434E-08	9.01631E-07	0.	3.64467E-05
49	1.81172E-06	1.13031E-06	3.92459E-06	1.75490E-07	4.85788E-08	9.11678E-07	0.	3.68528E-05
50	1.83191E-06	1.14291E-06	3.96832E-06	1.77446E-07	4.91201E-08	9.21838E-07	0.	3.72635E-05
51	1.85232E-06	1.15564E-06	4.01254E-06	1.79423E-07	4.96675E-08	9.32110E-07	0.	3.76787E-05
52	1.87297E-06	1.16852E-06	4.05726E-06	1.81423E-07	5.02210E-08	9.42498E-07	0.	3.80987E-05
53	1.89384E-06	1.18154E-06	4.10247E-06	1.83444E-07	5.07806E-08	9.53000E-07	0.	3.85232E-05
54	1.91494E-06	1.19471E-06	4.14818E-06	1.85488E-07	5.13465E-08	9.63619E-07	0.	3.89524E-05
55	1.93628E-06	1.20802E-06	4.19441E-06	1.87555E-07	5.19187E-08	9.74358E-07	0.	3.93865E-05
56	1.95786E-06	1.22148E-06	4.24115E-06	1.89645E-07	5.24972E-08	9.85215E-07	0.	3.98254E-05
57	1.97967E-06	1.23509E-06	4.28841E-06	1.91759E-07	5.30822E-08	9.96194E-07	0.	4.02692E-05
58	2.02112E-03	1.12818E-03	3.98328E-03	2.40402E-04	4.68868E-05	9.77715E-04	1.01206E-06	3.55503E-02
59	2.02113E-03	1.12819E-03	3.98330E-03	2.40403E-04	4.68871E-05	9.77719E-04	1.01206E-06	3.55505E-02
60	2.02111E-03	1.12818E-03	3.98327E-03	2.40402E-04	4.68867E-05	9.77713E-04	1.01206E-06	3.55503E-02
61	2.02108E-03	1.12816E-03	3.98319E-03	2.40398E-04	4.68858E-05	9.77695E-04	1.01206E-06	3.55495E-02
62	2.02102E-03	1.12812E-03	3.98306E-03	2.40392E-04	4.68841E-05	9.77664E-04	1.01206E-06	3.55483E-02
63	2.02093E-03	1.12807E-03	3.98288E-03	2.40384E-04	4.68819E-05	9.77623E-04	1.01206E-06	3.55466E-02
64	2.02083E-03	1.12800E-03	3.98265E-03	2.40374E-04	4.68790E-05	9.77569E-04	1.01206E-06	3.55444E-02
65	2.02069E-03	1.12792E-03	3.98236E-03	2.40361E-04	4.68755E-05	9.77502E-04	1.01206E-06	3.55417E-02
66	2.02054E-03	1.12782E-03	3.98203E-03	2.40346E-04	4.68714E-05	9.77425E-04	1.01206E-06	3.55386E-02
67	2.02036E-03	1.12771E-03	3.98164E-03	2.40329E-04	4.68666E-05	9.77335E-04	1.01206E-06	3.55350E-02
68	2.02016E-03	1.12759E-03	3.98121E-03	2.40309E-04	4.68612E-05	9.77234E-04	1.01206E-06	3.55309E-02
69	2.01993E-03	1.12745E-03	3.98072E-03	2.40287E-04	4.68551E-05	9.77119E-04	1.01206E-06	3.55263E-02
70	2.01968E-03	1.12729E-03	3.98018E-03	2.40263E-04	4.68484E-05	9.76994E-04	1.01206E-06	3.55212E-02
71	2.01941E-03	1.12712E-03	3.97958E-03	2.40237E-04	4.68411E-05	9.76857E-04	1.01206E-06	3.55156E-02
72	2.01911E-03	1.12694E-03	3.97894E-03	2.40208E-04	4.68331E-05	9.76708E-04	1.01206E-06	3.55096E-02
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXIII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO.		N= 32							
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	2.11725E-07	2.34776E-07	1.04641E-07	6.40398E-07	2.69575E-07	1.69819E-05	1.84166E-08	2.65610E-07	
2	2.14084E-07	2.37392E-07	1.05807E-07	6.47534E-07	2.72579E-07	1.71710E-05	1.86218E-08	2.68570E-07	
3	2.16470E-07	2.40037E-07	1.06986E-07	6.54750E-07	2.75616E-07	1.73624E-05	1.88293E-08	2.71563E-07	
4	2.18882E-07	2.42712E-07	1.08178E-07	6.62046E-07	2.78688E-07	1.75560E-05	1.90391E-08	2.74589E-07	
5	2.21321E-07	2.45417E-07	1.09384E-07	6.69424E-07	2.81793E-07	1.77515E-05	1.92513E-08	2.77649E-07	
6	2.23788E-07	2.48152E-07	1.10603E-07	6.76884E-07	2.84934E-07	1.79495E-05	1.94658E-08	2.80743E-07	
7	2.26281E-07	2.50917E-07	1.11835E-07	6.84426E-07	2.88109E-07	1.81494E-05	1.96827E-08	2.83872E-07	
8	2.28803E-07	2.53713E-07	1.13082E-07	6.92053E-07	2.91319E-07	1.83517E-05	1.99021E-08	2.87035E-07	
9	2.31352E-07	2.56540E-07	1.14342E-07	6.99765E-07	2.94565E-07	1.85562E-05	2.01238E-08	2.90233E-07	
10	2.33931E-07	2.59399E-07	1.15616E-07	7.07564E-07	2.97848E-07	1.87629E-05	2.03481E-08	2.93468E-07	
11	2.36537E-07	2.62290E-07	1.16904E-07	7.15448E-07	3.01167E-07	1.89720E-05	2.05748E-08	2.96738E-07	
12	2.39173E-07	2.65212E-07	1.18207E-07	7.23420E-07	3.04523E-07	1.91835E-05	2.08041E-08	3.00045E-07	
13	2.41838E-07	2.68168E-07	1.19524E-07	7.31482E-07	3.07917E-07	1.93972E-05	2.10359E-08	3.03388E-07	
14	2.44533E-07	2.71156E-07	1.20856E-07	7.39632E-07	3.11347E-07	1.96133E-05	2.12703E-08	3.06769E-07	
15	2.47258E-07	2.74177E-07	1.22203E-07	7.47874E-07	3.14817E-07	1.98319E-05	2.15073E-08	3.10187E-07	
16	2.50013E-07	2.77233E-07	1.23565E-07	7.56209E-07	3.18325E-07	2.00529E-05	2.17470E-08	3.13644E-07	
17	2.52799E-07	2.80322E-07	1.24941E-07	7.64635E-07	3.21872E-07	2.02764E-05	2.19894E-08	3.17139E-07	
18	2.55616E-07	2.83446E-07	1.26334E-07	7.73156E-07	3.25459E-07	2.05023E-05	2.22344E-08	3.20673E-07	
19	2.58465E-07	2.86605E-07	1.27742E-07	7.81772E-07	3.29086E-07	2.07308E-05	2.24822E-08	3.24246E-07	
20	2.61328E-07	2.89779E-07	1.29157E-07	7.90432E-07	3.32731E-07	2.09604E-05	2.27312E-08	3.27838E-07	
21	2.64257E-07	2.93027E-07	1.30604E-07	7.99291E-07	3.36461E-07	2.11954E-05	2.29860E-08	3.31513E-07	
22	2.67202E-07	2.96293E-07	1.32060E-07	8.08199E-07	3.40211E-07	2.14316E-05	2.32422E-08	3.35207E-07	
23	2.70179E-07	2.99595E-07	1.33531E-07	8.17206E-07	3.44001E-07	2.16704E-05	2.35012E-08	3.38942E-07	
24	2.73190E-07	3.02933E-07	1.35019E-07	8.26312E-07	3.47835E-07	2.19119E-05	2.37630E-08	3.42720E-07	
25	2.76235E-07	3.06309E-07	1.36524E-07	8.35521E-07	3.51711E-07	2.21561E-05	2.40278E-08	3.46539E-07	
26	2.79313E-07	3.09722E-07	1.38045E-07	8.44831E-07	3.55630E-07	2.24030E-05	2.42956E-08	3.50400E-07	
27	2.82425E-07	3.13174E-07	1.39584E-07	8.54246E-07	3.59593E-07	2.26526E-05	2.45663E-08	3.54305E-07	
28	2.85573E-07	3.16664E-07	1.41139E-07	8.63765E-07	3.63601E-07	2.29051E-05	2.48401E-08	3.58253E-07	
29	2.88755E-07	3.20192E-07	1.42712E-07	8.73390E-07	3.67652E-07	2.31603E-05	2.51169E-08	3.62245E-07	
30	2.91973E-07	3.23760E-07	1.44302E-07	8.83123E-07	3.71749E-07	2.34184E-05	2.53968E-08	3.66282E-07	
31	2.95226E-07	3.27368E-07	1.45910E-07	8.92964E-07	3.75892E-07	2.36793E-05	2.56798E-08	3.70364E-07	
32	2.98516E-07	3.31016E-07	1.47536E-07	9.02915E-07	3.80081E-07	2.39432E-05	2.59660E-08	3.74491E-07	
33	3.01842E-07	3.34705E-07	1.49180E-07	9.12976E-07	3.84316E-07	2.42100E-05	2.62553E-08	3.78664E-07	
34	3.05206E-07	3.38435E-07	1.50843E-07	9.23150E-07	3.88598E-07	2.44798E-05	2.65479E-08	3.82884E-07	
35	3.08607E-07	3.42206E-07	1.52524E-07	9.33438E-07	3.92929E-07	2.47526E-05	2.68437E-08	3.87151E-07	
36	3.12046E-07	3.46019E-07	1.54223E-07	9.43839E-07	3.97307E-07	2.50284E-05	2.71429E-08	3.91465E-07	
37	3.15524E-07	3.49875E-07	1.55942E-07	9.54358E-07	4.01735E-07	2.53073E-05	2.74453E-08	3.95827E-07	
38	3.19039E-07	3.53774E-07	1.57680E-07	9.64991E-07	4.06211E-07	2.55893E-05	2.77511E-08	4.00237E-07	
39	3.22594E-07	3.57716E-07	1.59437E-07	9.75744E-07	4.10738E-07	2.58745E-05	2.80604E-08	4.04697E-07	
40	3.26189E-07	3.61703E-07	1.61214E-07	9.86617E-07	4.15315E-07	2.61628E-05	2.83731E-08	4.09208E-07	

TABLE XXIII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 32

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	3.29824E-07	3.65733E-07	1.63011E-07	9.97612E-07	4.19943E-07	2.64544E-05	2.86893E-08	4.13767E-07
42	3.33500E-07	3.69809E-07	1.64826E-07	1.00873E-06	4.24623E-07	2.67492E-05	2.90090E-08	4.18378E-07
43	3.37216E-07	3.73930E-07	1.66663E-07	1.01997E-06	4.29355E-07	2.70472E-05	2.93322E-08	4.23040E-07
44	3.40974E-07	3.78097E-07	1.68522E-07	1.03133E-06	4.34139E-07	2.73486E-05	2.96591E-08	4.27755E-07
45	3.44773E-07	3.82310E-07	1.70398E-07	1.04282E-06	4.38977E-07	2.76534E-05	2.99896E-08	4.32521E-07
46	3.48615E-07	3.86570E-07	1.72298E-07	1.05445E-06	4.43869E-07	2.79615E-05	3.03238E-08	4.37341E-07
47	3.52500E-07	3.90878E-07	1.74218E-07	1.06620E-06	4.48815E-07	2.82731E-05	3.06617E-08	4.42215E-07
48	3.56428E-07	3.95234E-07	1.76160E-07	1.07808E-06	4.53816E-07	2.85882E-05	3.10034E-08	4.47142E-07
49	3.60400E-07	3.99638E-07	1.78123E-07	1.09009E-06	4.58873E-07	2.89068E-05	3.13489E-08	4.52125E-07
50	3.64416E-07	4.04091E-07	1.80108E-07	1.10224E-06	4.63987E-07	2.92289E-05	3.16982E-08	4.57163E-07
51	3.68477E-07	4.08594E-07	1.82114E-07	1.11452E-06	4.69157E-07	2.95546E-05	3.20514E-08	4.62258E-07
52	3.72584E-07	4.13148E-07	1.84144E-07	1.12694E-06	4.74386E-07	2.98840E-05	3.24086E-08	4.67409E-07
53	3.76735E-07	4.17751E-07	1.86196E-07	1.13950E-06	4.79672E-07	3.02170E-05	3.27697E-08	4.72618E-07
54	3.80933E-07	4.22406E-07	1.88271E-07	1.15220E-06	4.85018E-07	3.05537E-05	3.31349E-08	4.77884E-07
55	3.85178E-07	4.27114E-07	1.90369E-07	1.16504E-06	4.90423E-07	3.08942E-05	3.35041E-08	4.83210E-07
56	3.89470E-07	4.31873E-07	1.92490E-07	1.17802E-06	4.95888E-07	3.12384E-05	3.38775E-08	4.88594E-07
57	3.93810E-07	4.36686E-07	1.94635E-07	1.19115E-06	5.01414E-07	3.15865E-05	3.42550E-08	4.94040E-07
58	4.46798E-04	4.14653E-04	1.74373E-04	1.17166E-03	6.75559E-04	2.86902E-02	1.40219E-04	1.38356E-03
59	4.46800E-04	4.14655E-04	1.74374E-04	1.17167E-03	6.75562E-04	2.86904E-02	1.40219E-04	1.38357E-03
60	4.46797E-04	4.14652E-04	1.74372E-04	1.17166E-03	6.75558E-04	2.86902E-02	1.40219E-04	1.38356E-03
61	4.46790E-04	4.14644E-04	1.74369E-04	1.17164E-03	6.75549E-04	2.86896E-02	1.40218E-04	1.38356E-03
62	4.46778E-04	4.14631E-04	1.74363E-04	1.17160E-03	6.75534E-04	2.86886E-02	1.40217E-04	1.38354E-03
63	4.46761E-04	4.14612E-04	1.74354E-04	1.17155E-03	6.75512E-04	2.86873E-02	1.40216E-04	1.38352E-03
64	4.46740E-04	4.14589E-04	1.74344E-04	1.17149E-03	6.75485E-04	2.86856E-02	1.40214E-04	1.38349E-03
65	4.46714E-04	4.14560E-04	1.74331E-04	1.17141E-03	6.75452E-04	2.86835E-02	1.40212E-04	1.38346E-03
66	4.46683E-04	4.14526E-04	1.74316E-04	1.17132E-03	6.75413E-04	2.86810E-02	1.40209E-04	1.38342E-03
67	4.46647E-04	4.14486E-04	1.74298E-04	1.17121E-03	6.75368E-04	2.86782E-02	1.40206E-04	1.38338E-03
68	4.46607E-04	4.14442E-04	1.74278E-04	1.17109E-03	6.75316E-04	2.86749E-02	1.40202E-04	1.38333E-03
69	4.46563E-04	4.14392E-04	1.74256E-04	1.17095E-03	6.75259E-04	2.86713E-02	1.40199E-04	1.38327E-03
70	4.46513E-04	4.14337E-04	1.74232E-04	1.17080E-03	6.75196E-04	2.86674E-02	1.40194E-04	1.38321E-03
71	4.46458E-04	4.14277E-04	1.74205E-04	1.17064E-03	6.75127E-04	2.86630E-02	1.40190E-04	1.38314E-03
72	4.46400E-04	4.14211E-04	1.74176E-04	1.17046E-03	6.75052E-04	2.86583E-02	1.40184E-04	1.38307E-03
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXIII. (Continued)

(photons/cm ³ sec)					
D DISTRIBUTED SOURCE - G=GROUP NO. N= 40					
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
1	1.02172E-05	3.71142E-06	8.96458E-07	1.28582E-05	1.28775E-05
2	1.03310E-05	3.75278E-06	9.06448E-07	1.30025E-05	1.30210E-05
3	1.04462E-05	3.79459E-06	9.16548E-07	1.31474E-05	1.31661E-05
4	1.05626E-05	3.83688E-06	9.26762E-07	1.32939E-05	1.33128E-05
5	1.06803E-05	3.87964E-06	9.37090E-07	1.34420E-05	1.34611E-05
6	1.07993E-05	3.92288E-06	9.47534E-07	1.35918E-05	1.36112E-05
7	1.09196E-05	3.96659E-06	9.58091E-07	1.37433E-05	1.37628E-05
8	1.10413E-05	4.01079E-06	9.68768E-07	1.38964E-05	1.39162E-05
9	1.11643E-05	4.05548E-06	9.79562E-07	1.40513E-05	1.40712E-05
10	1.12888E-05	4.10068E-06	9.90480E-07	1.42079E-05	1.42281E-05
11	1.14146E-05	4.14637E-06	1.00151E-06	1.43662E-05	1.43866E-05
12	1.15418E-05	4.19258E-06	1.01267E-06	1.45263E-05	1.45469E-05
13	1.16704E-05	4.23929E-06	1.02396E-06	1.46882E-05	1.47090E-05
14	1.18004E-05	4.28653E-06	1.03537E-06	1.48518E-05	1.48729E-05
15	1.19319E-05	4.33430E-06	1.04690E-06	1.50173E-05	1.50387E-05
16	1.20649E-05	4.38260E-06	1.05857E-06	1.51847E-05	1.52063E-05
17	1.21993E-05	4.43144E-06	1.07037E-06	1.53539E-05	1.53757E-05
18	1.23353E-05	4.48082E-06	1.08230E-06	1.55250E-05	1.55470E-05
19	1.24727E-05	4.53075E-06	1.09436E-06	1.56980E-05	1.57203E-05
20	1.26109E-05	4.58094E-06	1.10648E-06	1.58719E-05	1.58944E-05
21	1.27522E-05	4.63229E-06	1.11888E-06	1.60498E-05	1.60726E-05
22	1.28944E-05	4.68392E-06	1.13135E-06	1.62286E-05	1.62517E-05
23	1.30380E-05	4.73610E-06	1.14396E-06	1.64095E-05	1.64328E-05
24	1.31833E-05	4.78889E-06	1.15671E-06	1.65923E-05	1.66159E-05
25	1.33302E-05	4.84226E-06	1.16960E-06	1.67773E-05	1.68011E-05
26	1.34788E-05	4.89622E-06	1.18263E-06	1.69642E-05	1.69883E-05
27	1.36290E-05	4.95078E-06	1.19581E-06	1.71532E-05	1.71776E-05
28	1.37809E-05	5.00595E-06	1.20913E-06	1.73444E-05	1.73690E-05
29	1.39344E-05	5.06173E-06	1.22261E-06	1.75378E-05	1.75626E-05
30	1.40897E-05	5.11813E-06	1.23623E-06	1.77332E-05	1.77583E-05
31	1.42467E-05	5.17517E-06	1.25001E-06	1.79308E-05	1.79562E-05
32	1.44055E-05	5.23284E-06	1.26394E-06	1.81306E-05	1.81564E-05
33	1.45660E-05	5.29115E-06	1.27802E-06	1.83325E-05	1.83587E-05
34	1.47283E-05	5.35011E-06	1.29226E-06	1.85369E-05	1.85633E-05
35	1.48925E-05	5.40973E-06	1.30666E-06	1.87434E-05	1.87702E-05
36	1.50584E-05	5.47001E-06	1.32122E-06	1.89524E-05	1.89792E-05
37	1.52262E-05	5.53097E-06	1.33595E-06	1.91635E-05	1.91907E-05
38	1.53959E-05	5.59260E-06	1.35083E-06	1.93771E-05	1.94046E-05
39	1.55674E-05	5.65492E-06	1.36589E-06	1.95929E-05	1.96209E-05
40	1.57409E-05	5.71794E-06	1.38111E-06	1.98114E-05	1.98395E-05

TABLE XXIII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40					
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
41	1.59163E-05	5.78166E-06	1.39650E-06	2.00321E-05	2.00606E-05
42	1.60937E-05	5.84608E-06	1.41206E-06	2.02553E-05	2.02842E-05
43	1.62730E-05	5.91123E-06	1.42779E-06	2.04810E-05	2.05102E-05
44	1.64544E-05	5.97710E-06	1.44371E-06	2.07093E-05	2.07387E-05
45	1.66377E-05	6.04371E-06	1.45979E-06	2.09401E-05	2.09698E-05
46	1.68231E-05	6.11106E-06	1.47606E-06	2.11734E-05	2.12035E-05
47	1.70107E-05	6.17915E-06	1.49251E-06	2.14094E-05	2.14398E-05
48	1.72002E-05	6.24801E-06	1.50914E-06	2.16480E-05	2.16787E-05
49	1.73919E-05	6.31763E-06	1.52596E-06	2.18892E-05	2.19223E-05
50	1.75857E-05	6.38804E-06	1.54297E-06	2.21331E-05	2.21646E-05
51	1.77817E-05	6.45922E-06	1.56016E-06	2.23798E-05	2.24115E-05
52	1.79799E-05	6.53121E-06	1.57754E-06	2.26292E-05	2.26613E-05
53	1.81801E-05	6.60398E-06	1.59512E-06	2.28813E-05	2.29138E-05
54	1.83828E-05	6.67757E-06	1.61291E-06	2.31363E-05	2.31692E-05
55	1.85876E-05	6.75198E-06	1.63088E-06	2.33941E-05	2.34274E-05
56	1.87947E-05	6.82722E-06	1.64904E-06	2.36548E-05	2.36894E-05
57	1.90041E-05	6.90330E-06	1.66742E-06	2.39184E-05	2.39524E-05
58	1.81964E-02	6.95718E-03	1.06792E-02	3.71701E-02	4.45514E-02
59	1.81965E-02	6.95723E-03	1.06792E-02	3.71702E-02	4.45515E-02
60	1.81964E-02	6.95718E-03	1.06792E-02	3.71701E-02	4.45514E-02
61	1.81960E-02	6.95705E-03	1.06792E-02	3.71696E-02	4.45509E-02
62	1.81954E-02	6.95685E-03	1.06792E-02	3.71689E-02	4.45502E-02
63	1.81946E-02	6.95654E-03	1.06791E-02	3.71679E-02	4.45492E-02
64	1.81936E-02	6.95617E-03	1.06790E-02	3.71666E-02	4.45479E-02
65	1.81923E-02	6.95572E-03	1.06789E-02	3.71650E-02	4.45463E-02
66	1.81909E-02	6.95518E-03	1.06788E-02	3.71631E-02	4.45444E-02
67	1.81891E-02	6.95455E-03	1.06786E-02	3.71610E-02	4.45423E-02
68	1.81872E-02	6.95385E-03	1.06784E-02	3.71585E-02	4.45398E-02
69	1.81850E-02	6.95306E-03	1.06782E-02	3.71558E-02	4.45371E-02
70	1.81826E-02	6.95220E-03	1.06780E-02	3.71528E-02	4.45341E-02
71	1.81800E-02	6.95125E-03	1.06778E-02	3.71495E-02	4.45308E-02
72	1.81772E-02	6.95021E-03	1.06776E-02	3.71459E-02	4.45272E-02
73	0.	0.	0.	0.	0.
INT. 74 THRU INT. 168 SAME AS ABOVE					

TABLE XXIV. GAMMA-RAY SOURCE DATA FOR 3.2PPM URANIUM SOURCE IN DIRT OVERBURDEN
LAYER 4

G = ENERGY GROUP NUMBER; INT.= SPATIAL INTERVAL NUMBER

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 0								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.44341E-08	1.20231E-06	2.65285E-09	2.96312E-08	5.43756E-06	4.75496E-08	4.32832E-07	1.69100E-05
2	2.47064E-08	1.21571E-06	2.68241E-09	2.99614E-08	5.49815E-06	4.80795E-08	4.37656E-07	1.70983E-05
3	2.49818E-08	1.22926E-06	2.71230E-09	3.02953E-08	5.55943E-06	4.86153E-08	4.42533E-07	1.72889E-05
4	2.52601E-08	1.24295E-06	2.74253E-09	3.06329E-08	5.62138E-06	4.91570E-08	4.47464E-07	1.74816E-05
5	2.55416E-08	1.25680E-06	2.77309E-09	3.09742E-08	5.68402E-06	4.97048E-08	4.52451E-07	1.76763E-05
6	2.58262E-08	1.27081E-06	2.80399E-09	3.13194E-08	5.74736E-06	5.02587E-08	4.57493E-07	1.78733E-05
7	2.61141E-08	1.28497E-06	2.83524E-09	3.16685E-08	5.81141E-06	5.08188E-08	4.62591E-07	1.80725E-05
8	2.64050E-08	1.29929E-06	2.86683E-09	3.20213E-08	5.87617E-06	5.13851E-08	4.67746E-07	1.82739E-05
9	2.66993E-08	1.31377E-06	2.89878E-09	3.23782E-08	5.94165E-06	5.19577E-08	4.72958E-07	1.84776E-05
10	2.69968E-08	1.32841E-06	2.93108E-09	3.27390E-08	6.00786E-06	5.25366E-08	4.78228E-07	1.86835E-05
11	2.72977E-08	1.34321E-06	2.96374E-09	3.31038E-08	6.07481E-06	5.31221E-08	4.83558E-07	1.88916E-05
12	2.76018E-08	1.35818E-06	2.99677E-09	3.34727E-08	6.14250E-06	5.37140E-08	4.88946E-07	1.91023E-05
13	2.79094E-08	1.37332E-06	3.03016E-09	3.38457E-08	6.21095E-06	5.43126E-08	4.94396E-07	1.93150E-05
14	2.82204E-08	1.38862E-06	3.06393E-09	3.42228E-08	6.28016E-06	5.49178E-08	4.99904E-07	1.95303E-05
15	2.85349E-08	1.40409E-06	3.09807E-09	3.46042E-08	6.35014E-06	5.55297E-08	5.05475E-07	1.97480E-05
16	2.88529E-08	1.41974E-06	3.13259E-09	3.49898E-08	6.42090E-06	5.61486E-08	5.11108E-07	1.99679E-05
17	2.91744E-08	1.43556E-06	3.16750E-09	3.53797E-08	6.49245E-06	5.67743E-08	5.16803E-07	2.01904E-05
18	2.94995E-08	1.45156E-06	3.20280E-09	3.57739E-08	6.56480E-06	5.74069E-08	5.22562E-07	2.04154E-05
19	2.98282E-08	1.46773E-06	3.23849E-09	3.61726E-08	6.63795E-06	5.80466E-08	5.28385E-07	2.06430E-05
20	3.01587E-08	1.48399E-06	3.27437E-09	3.65733E-08	6.71150E-06	5.86897E-08	5.34239E-07	2.08717E-05
21	3.04967E-08	1.50063E-06	3.31107E-09	3.69833E-08	6.78672E-06	5.93475E-08	5.40227E-07	2.11057E-05
22	3.08365E-08	1.51735E-06	3.34796E-09	3.73954E-08	6.86234E-06	6.00088E-08	5.46247E-07	2.13408E-05
23	3.11801E-08	1.53426E-06	3.38527E-09	3.78121E-08	6.93882E-06	6.06775E-08	5.52334E-07	2.15797E-05
24	3.15275E-08	1.55136E-06	3.42299E-09	3.82334E-08	7.01612E-06	6.13536E-08	5.58488E-07	2.18191E-05
25	3.18791E-08	1.56865E-06	3.46115E-09	3.86597E-08	7.09435E-06	6.20376E-08	5.64715E-07	2.20624E-05
26	3.22341E-08	1.58613E-06	3.49970E-09	3.90902E-08	7.17336E-06	6.27285E-08	5.71004E-07	2.23080E-05
27	3.25935E-08	1.60380E-06	3.53872E-09	3.95260E-08	7.25334E-06	6.34280E-08	5.77370E-07	2.25568E-05
28	3.29567E-08	1.62168E-06	3.57815E-09	3.99665E-08	7.33417E-06	6.41348E-08	5.83804E-07	2.28081E-05
29	3.33240E-08	1.63976E-06	3.61803E-09	4.04119E-08	7.41590E-06	6.48495E-08	5.90310E-07	2.30623E-05
30	3.36950E-08	1.65801E-06	3.65832E-09	4.08619E-08	7.49848E-06	6.55716E-08	5.96884E-07	2.33191E-05
31	3.40705E-08	1.67649E-06	3.69908E-09	4.13172E-08	7.58204E-06	6.63023E-08	6.03535E-07	2.35790E-05
32	3.44504E-08	1.69518E-06	3.74033E-09	4.17779E-08	7.66658E-06	6.70416E-08	6.10264E-07	2.38419E-05
33	3.48341E-08	1.71406E-06	3.78198E-09	4.22433E-08	7.75196E-06	6.77882E-08	6.17061E-07	2.41074E-05
34	3.52225E-08	1.73317E-06	3.82415E-09	4.27143E-08	7.83840E-06	6.85441E-08	6.23941E-07	2.43762E-05
35	3.56150E-08	1.75249E-06	3.86677E-09	4.31903E-08	7.92574E-06	6.93079E-08	6.30894E-07	2.46478E-05
36	3.60119E-08	1.77202E-06	3.90986E-09	4.36716E-08	8.01407E-06	7.00803E-08	6.37924E-07	2.49225E-05
37	3.64132E-08	1.79176E-06	3.95343E-09	4.41583E-08	8.10338E-06	7.08612E-08	6.45033E-07	2.52002E-05
38	3.68189E-08	1.81173E-06	3.99749E-09	4.46503E-08	8.19367E-06	7.16508E-08	6.52221E-07	2.54810E-05
39	3.72290E-08	1.83191E-06	4.04201E-09	4.51477E-08	8.28494E-06	7.24489E-08	6.59486E-07	2.57649E-05
40	3.76439E-08	1.85232E-06	4.08705E-09	4.56508E-08	8.37726E-06	7.32563E-08	6.66835E-07	2.60520E-05

TABLE XXIV. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 0								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	3.80635E-08	1.87297E-06	4.13261E-09	4.61596E-08	8.47064E-06	7.40728E-08	6.74267E-07	2.63424E-05
42	3.84878E-08	1.89385E-06	4.17867E-09	4.66741E-08	8.56506E-06	7.48985E-08	6.81783E-07	2.66360E-05
43	3.89165E-08	1.91494E-06	4.22522E-09	4.71940E-08	8.66047E-06	7.57328E-08	6.89378E-07	2.69327E-05
44	3.93502E-08	1.93629E-06	4.27232E-09	4.77200E-08	8.75700E-06	7.65769E-08	6.97061E-07	2.72329E-05
45	3.97887E-08	1.95786E-06	4.31992E-09	4.82518E-08	8.85457E-06	7.74302E-08	7.04829E-07	2.75363E-05
46	4.02319E-08	1.97967E-06	4.36804E-09	4.87893E-08	8.95321E-06	7.82927E-08	7.12680E-07	2.78431E-05
47	4.06805E-08	2.00174E-06	4.41674E-09	4.93332E-08	9.05303E-06	7.91656E-08	7.20626E-07	2.81535E-05
48	4.11338E-08	2.02405E-06	4.46596E-09	4.98829E-08	9.15390E-06	8.00477E-08	7.28655E-07	2.84672E-05
49	4.15921E-08	2.04660E-06	4.51572E-09	5.04387E-08	9.25590E-06	8.09396E-08	7.36774E-07	2.87844E-05
50	4.20556E-08	2.06940E-06	4.56603E-09	5.10007E-08	9.35901E-06	8.18414E-08	7.44982E-07	2.91051E-05
51	4.25243E-08	2.09246E-06	4.61691E-09	5.15691E-08	9.46332E-06	8.27535E-08	7.53285E-07	2.94295E-05
52	4.29983E-08	2.11579E-06	4.66839E-09	5.21440E-08	9.56882E-06	8.36760E-08	7.61683E-07	2.97575E-05
53	4.34775E-08	2.13937E-06	4.72041E-09	5.27250E-08	9.67545E-06	8.46084E-08	7.70171E-07	3.00891E-05
54	2.42408E-05	1.19279E-03	2.63222E-06	2.93967E-05	5.39452E-03	5.36625E-05	4.41196E-04	1.68139E-02
55	2.42411E-05	1.19281E-03	2.63226E-06	2.93971E-05	5.39460E-03	5.36632E-05	4.41202E-04	1.68141E-02
56	2.42411E-05	1.19281E-03	2.63226E-06	2.93971E-05	5.39460E-03	5.36632E-05	4.41202E-04	1.68141E-02
57	2.42408E-05	1.19279E-03	2.63222E-06	2.93967E-05	5.39452E-03	5.36625E-05	4.41196E-04	1.68139E-02
58	2.42401E-05	1.19276E-03	2.63215E-06	2.93959E-05	5.39438E-03	5.36614E-05	4.41185E-04	1.68135E-02
59	2.42392E-05	1.19272E-03	2.63205E-06	2.93948E-05	5.39416E-03	5.36594E-05	4.41167E-04	1.68128E-02
60	2.42379E-05	1.19265E-03	2.63191E-06	2.93932E-05	5.39387E-03	5.36569E-05	4.41145E-04	1.68119E-02
61	2.42362E-05	1.19257E-03	2.63173E-06	2.93912E-05	5.39351E-03	5.36537E-05	4.41115E-04	1.68108E-02
62	2.42343E-05	1.19247E-03	2.63152E-06	2.93888E-05	5.39308E-03	5.36499E-05	4.41081E-04	1.68094E-02
63	2.42320E-05	1.19236E-03	2.63127E-06	2.93861E-05	5.39257E-03	5.36455E-05	4.41041E-04	1.68078E-02
64	2.42294E-05	1.19224E-03	2.63099E-06	2.93829E-05	5.39199E-03	5.36404E-05	4.40995E-04	1.68061E-02
65	2.42265E-05	1.19209E-03	2.63067E-06	2.93794E-05	5.39134E-03	5.36348E-05	4.40943E-04	1.68040E-02
66	2.42232E-05	1.19193E-03	2.63032E-06	2.93754E-05	5.39061E-03	5.36285E-05	4.40885E-04	1.68018E-02
67	2.42196E-05	1.19175E-03	2.62993E-06	2.93711E-05	5.38982E-03	5.36215E-05	4.40822E-04	1.67993E-02
68	2.42157E-05	1.19153E-03	2.62951E-06	2.93664E-05	5.38895E-03	5.36138E-05	4.40753E-04	1.67966E-02
69	2.42115E-05	1.19133E-03	2.62904E-06	2.93612E-05	5.38801E-03	5.36056E-05	4.40677E-04	1.67937E-02
70	2.42069E-05	1.19113E-03	2.62855E-06	2.93557E-05	5.38699E-03	5.35967E-05	4.40597E-04	1.67905E-02
71	2.42020E-05	1.19089E-03	2.62802E-06	2.93498E-05	5.38590E-03	5.35872E-05	4.40510E-04	1.67871E-02
72	2.41968E-05	1.19063E-03	2.62745E-06	2.93434E-05	5.38474E-03	5.35771E-05	4.40417E-04	1.67835E-02
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXIV. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO.

N= 8

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	8.92039E-07	1.08596E-06	5.98054E-07	1.72203E-06	6.66314E-06	0.	1.93146E-07	5.76335E-06
2	9.01979E-07	1.09806E-06	6.04718E-07	1.74122E-06	6.73739E-06	0.	1.95299E-07	5.82757E-06
3	9.12032E-07	1.11030E-06	6.11457E-07	1.76062E-06	6.81248E-06	0.	1.97475E-07	5.89252E-06
4	9.22194E-07	1.12267E-06	6.18271E-07	1.78024E-06	6.88839E-06	0.	1.99675E-07	5.95818E-06
5	9.32471E-07	1.13518E-06	6.25161E-07	1.80008E-06	6.96515E-06	0.	2.01900E-07	6.02457E-06
6	9.42862E-07	1.14783E-06	6.32127E-07	1.82014E-06	7.04277E-06	0.	2.04150E-07	6.09171E-06
7	9.53369E-07	1.16062E-06	6.39172E-07	1.84042E-06	7.12125E-06	0.	2.06426E-07	6.15959E-06
8	9.63993E-07	1.17355E-06	6.46294E-07	1.86093E-06	7.20061E-06	0.	2.08726E-07	6.22823E-06
9	9.74735E-07	1.18663E-06	6.53496E-07	1.88167E-06	7.28085E-06	0.	2.11052E-07	6.29764E-06
10	9.85597E-07	1.19985E-06	6.60778E-07	1.90263E-06	7.36198E-06	0.	2.13403E-07	6.36781E-06
11	9.96581E-07	1.21323E-06	6.68142E-07	1.92384E-06	7.44402E-06	0.	2.15782E-07	6.43878E-06
12	1.00768E-06	1.22674E-06	6.75587E-07	1.94527E-06	7.52697E-06	0.	2.18186E-07	6.51052E-06
13	1.01891E-06	1.24041E-06	6.83116E-07	1.96695E-06	7.61085E-06	0.	2.20618E-07	6.58308E-06
14	1.03026E-06	1.25424E-06	6.90727E-07	1.98887E-06	7.69565E-06	0.	2.23076E-07	6.65642E-06
15	1.04175E-06	1.26821E-06	6.98424E-07	2.01103E-06	7.78140E-06	0.	2.25561E-07	6.73060E-06
16	1.05335E-06	1.28234E-06	7.06207E-07	2.03344E-06	7.86812E-06	0.	2.28075E-07	6.80560E-06
17	1.06509E-06	1.29663E-06	7.14077E-07	2.05610E-06	7.95581E-06	0.	2.30617E-07	6.88144E-06
18	1.07696E-06	1.31108E-06	7.22033E-07	2.07901E-06	8.04446E-06	0.	2.33186E-07	6.95812E-06
19	1.08896E-06	1.32569E-06	7.30080E-07	2.10218E-06	8.13410E-06	0.	2.35785E-07	7.03566E-06
20	1.10103E-06	1.34038E-06	7.38168E-07	2.12547E-06	8.22422E-06	0.	2.38397E-07	7.11361E-06
21	1.11337E-06	1.35540E-06	7.46442E-07	2.14929E-06	8.31640E-06	0.	2.41069E-07	7.19334E-06
22	1.12577E-06	1.37051E-06	7.54759E-07	2.17324E-06	8.40907E-06	0.	2.43755E-07	7.27349E-06
23	1.13832E-06	1.38578E-06	7.63170E-07	2.19746E-06	8.50278E-06	0.	2.46472E-07	7.35455E-06
24	1.15100E-06	1.40122E-06	7.71673E-07	2.22194E-06	8.59751E-06	0.	2.49218E-07	7.43649E-06
25	1.16383E-06	1.41684E-06	7.80277E-07	2.24672E-06	8.69337E-06	0.	2.51997E-07	7.51940E-06
26	1.17680E-06	1.43262E-06	7.88966E-07	2.27174E-06	8.79018E-06	0.	2.54803E-07	7.60314E-06
27	1.18992E-06	1.44859E-06	7.97764E-07	2.29707E-06	8.88819E-06	0.	2.57644E-07	7.68792E-06
28	1.20318E-06	1.46474E-06	8.06653E-07	2.32266E-06	8.98724E-06	0.	2.60515E-07	7.77359E-06
29	1.21659E-06	1.48106E-06	8.15644E-07	2.34855E-06	9.08739E-06	0.	2.63418E-07	7.86022E-06
30	1.23013E-06	1.49755E-06	8.24725E-07	2.37470E-06	9.18859E-06	0.	2.66351E-07	7.94775E-06
31	1.24384E-06	1.51425E-06	8.33917E-07	2.40116E-06	9.29098E-06	0.	2.69319E-07	8.03632E-06
32	1.25771E-06	1.53112E-06	8.43215E-07	2.42794E-06	9.39457E-06	0.	2.72322E-07	8.12593E-06
33	1.27172E-06	1.54818E-06	8.52606E-07	2.45498E-06	9.49920E-06	0.	2.75355E-07	8.21642E-06
34	1.28590E-06	1.56545E-06	8.62112E-07	2.48235E-06	9.60511E-06	0.	2.78425E-07	8.30804E-06
35	1.30022E-06	1.58288E-06	8.71719E-07	2.51001E-06	9.71214E-06	0.	2.81528E-07	8.40061E-06
36	1.31471E-06	1.60053E-06	8.81433E-07	2.53798E-06	9.82038E-06	0.	2.84665E-07	8.49423E-06
37	1.32937E-06	1.61836E-06	8.91256E-07	2.56626E-06	9.92982E-06	0.	2.87838E-07	8.58889E-06
38	1.34418E-06	1.63639E-06	9.01187E-07	2.59486E-06	1.00404E-05	0.	2.91045E-07	8.68459E-06
39	1.35915E-06	1.65463E-06	9.11225E-07	2.62376E-06	1.01523E-05	0.	2.94287E-07	8.78133E-06
40	1.37430E-06	1.67307E-06	9.21379E-07	2.65300E-06	1.02654E-05	0.	2.97566E-07	8.87918E-06

TABLE XXIV. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO.									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	1.38961E-06	1.69171E-06	9.31649E-07	2.68257E-06	1.03798E-05	0.	3.00883E-07	8.97815E-06	
42	1.40510E-06	1.71056E-06	9.42034E-07	2.71247E-06	1.04955E-05	0.	3.04237E-07	9.07823E-06	
43	1.42076E-06	1.72963E-06	9.52527E-07	2.74269E-06	1.06124E-05	0.	3.07626E-07	9.17935E-06	
44	1.43659E-06	1.74890E-06	9.63144E-07	2.77326E-06	1.07307E-05	0.	3.11054E-07	9.28166E-06	
45	1.45260E-06	1.76839E-06	9.73876E-07	2.80416E-06	1.08503E-05	0.	3.14520E-07	9.38509E-06	
46	1.46878E-06	1.78809E-06	9.84724E-07	2.83539E-06	1.09712E-05	0.	3.18024E-07	9.48963E-06	
47	1.48516E-06	1.80803E-06	9.95703E-07	2.86701E-06	1.10935E-05	0.	3.21570E-07	9.59543E-06	
48	1.50170E-06	1.82817E-06	1.00680E-06	2.89895E-06	1.12171E-05	0.	3.25153E-07	9.70235E-06	
49	1.51845E-06	1.84854E-06	1.01801E-06	2.93125E-06	1.13421E-05	0.	3.28776E-07	9.81046E-06	
50	1.53535E-06	1.86914E-06	1.02935E-06	2.96391E-06	1.14684E-05	0.	3.32439E-07	9.91975E-06	
51	1.55247E-06	1.88997E-06	1.04083E-06	2.99694E-06	1.15962E-05	0.	3.36144E-07	1.00303E-05	
52	1.56978E-06	1.91104E-06	1.05243E-06	3.03036E-06	1.17255E-05	0.	3.39891E-07	1.01421E-05	
53	1.58726E-06	1.93233E-06	1.06416E-06	3.06412E-06	1.18562E-05	0.	3.43678E-07	1.02551E-05	
54	8.86650E-04	1.08383E-03	6.09298E-04	1.71170E-03	6.62931E-03	2.17473E-07	2.00166E-04	5.72266E-03	
55	8.86662E-04	1.08385E-03	6.09307E-04	1.71172E-03	6.62940E-03	2.17473E-07	2.00168E-04	5.72274E-03	
56	8.86662E-04	1.08385E-03	6.09307E-04	1.71172E-03	6.62940E-03	2.17473E-07	2.00168E-04	5.72274E-03	
57	8.86650E-04	1.08383E-03	6.09298E-04	1.71170E-03	6.62931E-03	2.17473E-07	2.00166E-04	5.72266E-03	
58	8.86626E-04	1.08381E-03	6.09283E-04	1.71165E-03	6.62914E-03	2.17473E-07	2.00161E-04	5.72251E-03	
59	8.86591E-04	1.08376E-03	6.09258E-04	1.71159E-03	6.62887E-03	2.17473E-07	2.00153E-04	5.72228E-03	
60	8.86543E-04	1.08370E-03	6.09227E-04	1.71149E-03	6.62851E-03	2.17473E-07	2.00143E-04	5.72198E-03	
61	8.86484E-04	1.08363E-03	6.09186E-04	1.71138E-03	6.62807E-03	2.17473E-07	2.00130E-04	5.72159E-03	
62	8.86412E-04	1.08355E-03	6.09139E-04	1.71124E-03	6.62754E-03	2.17473E-07	2.00114E-04	5.72113E-03	
63	8.86330E-04	1.08344E-03	6.09084E-04	1.71108E-03	6.62692E-03	2.17473E-07	2.00096E-04	5.72060E-03	
64	8.86235E-04	1.08333E-03	6.09020E-04	1.71090E-03	6.62621E-03	2.17473E-07	2.00076E-04	5.71998E-03	
65	8.86128E-04	1.08320E-03	6.08949E-04	1.71069E-03	6.62541E-03	2.17473E-07	2.00053E-04	5.71929E-03	
66	8.86009E-04	1.08305E-03	6.08868E-04	1.71046E-03	6.62452E-03	2.17473E-07	2.00027E-04	5.71852E-03	
67	8.85879E-04	1.08290E-03	6.08780E-04	1.71021E-03	6.62355E-03	2.17473E-07	1.99999E-04	5.71768E-03	
68	8.85736E-04	1.08272E-03	6.08685E-04	1.70994E-03	6.62249E-03	2.17473E-07	1.99968E-04	5.71676E-03	
69	8.85581E-04	1.08253E-03	6.08582E-04	1.70964E-03	6.62133E-03	2.17473E-07	1.99934E-04	5.71576E-03	
70	8.85415E-04	1.08233E-03	6.08470E-04	1.70931E-03	6.62008E-03	2.17473E-07	1.99898E-04	5.71468E-03	
71	8.85236E-04	1.08211E-03	6.08351E-04	1.70897E-03	6.61875E-03	2.17473E-07	1.99860E-04	5.71353E-03	
72	8.85045E-04	1.08188E-03	6.08223E-04	1.70860E-03	6.61733E-03	2.17473E-07	1.99818E-04	5.71230E-03	
73	0.	0.	0.	0.	0.	0.	0.	0.	
INT. 74 THRU INT. 168 SAME AS ABOVE									

TABLE XXIV. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 16									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	4.57654E-07	1.31866E-05	6.01939E-07	2.90794E-08	2.66060E-08	2.97088E-07	2.48220E-06	0.	
2	4.62754E-07	1.33336E-05	6.08647E-07	2.94034E-08	2.69025E-08	3.00398E-07	2.50986E-06	0.	
3	4.67911E-07	1.34822E-05	6.15430E-07	2.97311E-08	2.72023E-08	3.03746E-07	2.53783E-06	0.	
4	4.73125E-07	1.36324E-05	6.22288E-07	3.00624E-08	2.75055E-08	3.07131E-07	2.56611E-06	0.	
5	4.78397E-07	1.37843E-05	6.29222E-07	3.03974E-08	2.78120E-08	3.10553E-07	2.59470E-06	0.	
6	4.83728E-07	1.39379E-05	6.36234E-07	3.07361E-08	2.81219E-08	3.14014E-07	2.62362E-06	0.	
7	4.89119E-07	1.40932E-05	6.43325E-07	3.10787E-08	2.84353E-08	3.17513E-07	2.65286E-06	0.	
8	4.94570E-07	1.42503E-05	6.50493E-07	3.14250E-08	2.87522E-08	3.21052E-07	2.68242E-06	0.	
9	5.00082E-07	1.44091E-05	6.57742E-07	3.17752E-08	2.90725E-08	3.24629E-07	2.71231E-06	0.	
10	5.05654E-07	1.45696E-05	6.65071E-07	3.21293E-08	2.93965E-08	3.28247E-07	2.74253E-06	0.	
11	5.11290E-07	1.47320E-05	6.72483E-07	3.24873E-08	2.97241E-08	3.31905E-07	2.77310E-06	0.	
12	5.16987E-07	1.48962E-05	6.79976E-07	3.28493E-08	3.00553E-08	3.35603E-07	2.80399E-06	0.	
13	5.22748E-07	1.50622E-05	6.87554E-07	3.32154E-08	3.03903E-08	3.39343E-07	2.83524E-06	0.	
14	5.28572E-07	1.52300E-05	6.95215E-07	3.35855E-08	3.07289E-08	3.43124E-07	2.86683E-06	0.	
15	5.34462E-07	1.53997E-05	7.02962E-07	3.39597E-08	3.10713E-08	3.46947E-07	2.89878E-06	0.	
16	5.40418E-07	1.55713E-05	7.10795E-07	3.43382E-08	3.14175E-08	3.50814E-07	2.93108E-06	0.	
17	5.46441E-07	1.57449E-05	7.18716E-07	3.47208E-08	3.17676E-08	3.54723E-07	2.96375E-06	0.	
18	5.52529E-07	1.59203E-05	7.26725E-07	3.51077E-08	3.21216E-08	3.58676E-07	2.99677E-06	0.	
19	5.58687E-07	1.60978E-05	7.34823E-07	3.54989E-08	3.24796E-08	3.62673E-07	3.03016E-06	0.	
20	5.64876E-07	1.62760E-05	7.42964E-07	3.58922E-08	3.28394E-08	3.66691E-07	3.06374E-06	0.	
21	5.71208E-07	1.64586E-05	7.51292E-07	3.62945E-08	3.32075E-08	3.70801E-07	3.09807E-06	0.	
22	5.77573E-07	1.66419E-05	7.59663E-07	3.66989E-08	3.35775E-08	3.74932E-07	3.13260E-06	0.	
23	5.84009E-07	1.68273E-05	7.68129E-07	3.71079E-08	3.39517E-08	3.79111E-07	3.16751E-06	0.	
24	5.90515E-07	1.70148E-05	7.76687E-07	3.75213E-08	3.43300E-08	3.83334E-07	3.20279E-06	0.	
25	5.97100E-07	1.72045E-05	7.85347E-07	3.79397E-08	3.47127E-08	3.87609E-07	3.23851E-06	0.	
26	6.03749E-07	1.73961E-05	7.94092E-07	3.83622E-08	3.50993E-08	3.91925E-07	3.27457E-06	0.	
27	6.10481E-07	1.75902E-05	8.02947E-07	3.87893E-08	3.54907E-08	3.96295E-07	3.31108E-06	0.	
28	6.17284E-07	1.77862E-05	8.11894E-07	3.92222E-08	3.58862E-08	4.00711E-07	3.34798E-06	0.	
29	6.24163E-07	1.79843E-05	8.20943E-07	3.96593E-08	3.62861E-08	4.05177E-07	3.38529E-06	0.	
30	6.31113E-07	1.81847E-05	8.30085E-07	4.01009E-08	3.66901E-08	4.09689E-07	3.42299E-06	0.	
31	6.38146E-07	1.83872E-05	8.39335E-07	4.05478E-08	3.70990E-08	4.14254E-07	3.46113E-06	0.	
32	6.45262E-07	1.85923E-05	8.48693E-07	4.09999E-08	3.75127E-08	4.18873E-07	3.49972E-06	0.	
33	6.52448E-07	1.87994E-05	8.58145E-07	4.14565E-08	3.79304E-08	4.23538E-07	3.53870E-06	0.	
34	6.59722E-07	1.90089E-05	8.67713E-07	4.19188E-08	3.83534E-08	4.28260E-07	3.57816E-06	0.	
35	6.67074E-07	1.92208E-05	8.77382E-07	4.23859E-08	3.87807E-08	4.33032E-07	3.61803E-06	0.	
36	6.74508E-07	1.94350E-05	8.87160E-07	4.28583E-08	3.92129E-08	4.37858E-07	3.65835E-06	0.	
37	6.82024E-07	1.96515E-05	8.97047E-07	4.33359E-08	3.96499E-08	4.42738E-07	3.69912E-06	0.	
38	6.89624E-07	1.98706E-05	9.07042E-07	4.38188E-08	4.00917E-08	4.47671E-07	3.74033E-06	0.	
39	6.97305E-07	2.00919E-05	9.17145E-07	4.43069E-08	4.05383E-08	4.52657E-07	3.78200E-06	0.	
40	7.05076E-07	2.03158E-05	9.27365E-07	4.48006E-08	4.09900E-08	4.57701E-07	3.82414E-06	0.	

TABLE XXIV. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE		G=GROUP NO.		N= 16															
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8											
41	7.12935E-07	2.05422E-05	9.37702E-07	4.52999E-08	4.14469E-08	4.62803E-07	3.86676E-06	0.											
42	7.20862E-07	2.07712E-05	9.43155E-07	4.58049E-08	4.19090E-08	4.67962E-07	3.90987E-06	0.											
43	7.28912E-07	2.10026E-05	9.53716E-07	4.63151E-08	4.23759E-08	4.73175E-07	3.95342E-06	0.											
44	7.37036E-07	2.12367E-05	9.63402E-07	4.68313E-08	4.28481E-08	4.78449E-07	3.99748E-06	0.											
45	7.45249E-07	2.14733E-05	9.73204E-07	4.73532E-08	4.33259E-08	4.83780E-07	4.04203E-06	0.											
46	7.53550E-07	2.17125E-05	9.83122E-07	4.78806E-08	4.38082E-08	4.89170E-07	4.08705E-06	0.											
47	7.61952E-07	2.19546E-05	1.00217E-06	4.84145E-08	4.42962E-08	4.94624E-07	4.13262E-06	0.											
48	7.70442E-07	2.21992E-05	1.01334E-06	4.89539E-08	4.47902E-08	5.00135E-07	4.17867E-06	0.											
49	7.79023E-07	2.24466E-05	1.02463E-06	4.94994E-08	4.52898E-08	5.05708E-07	4.22523E-06	0.											
50	7.87705E-07	2.26966E-05	1.03604E-06	5.00509E-08	4.57938E-08	5.11342E-07	4.27230E-06	0.											
51	7.96484E-07	2.29496E-05	1.04759E-06	5.06087E-08	4.63042E-08	5.17041E-07	4.31992E-06	0.											
52	8.05364E-07	2.32054E-05	1.05927E-06	5.11729E-08	4.68204E-08	5.22805E-07	4.36807E-06	0.											
53	8.14338E-07	2.34640E-05	1.07107E-06	5.17431E-08	4.73421E-08	5.28630E-07	4.41675E-06	0.											
54	4.72305E-04	1.30911E-02	6.15633E-04	5.45423E-04	3.85525E-05	2.94802E-04	2.53302E-03	0.											
55	4.72311E-04	1.30912E-02	6.15641E-04	5.45423E-04	3.85529E-05	2.94806E-04	2.53305E-03	0.											
56	4.72311E-04	1.30912E-02	6.15641E-04	5.45423E-04	3.85529E-05	2.94806E-04	2.53305E-03	0.											
57	4.72305E-04	1.30911E-02	6.15633E-04	5.45423E-04	3.85525E-05	2.94802E-04	2.53302E-03	0.											
58	4.72293E-04	1.30907E-02	6.15617E-04	5.45422E-04	3.85518E-05	2.94794E-04	2.53295E-03	0.											
59	4.72274E-04	1.30902E-02	6.15593E-04	5.45421E-04	3.85508E-05	2.94783E-04	2.53285E-03	0.											
60	4.72250E-04	1.30895E-02	6.15560E-04	5.45419E-04	3.85493E-05	2.94767E-04	2.53272E-03	0.											
61	4.72220E-04	1.30886E-02	6.15521E-04	5.45417E-04	3.85476E-05	2.94747E-04	2.53255E-03	0.											
62	4.72183E-04	1.30876E-02	6.15472E-04	5.45415E-04	3.85454E-05	2.94723E-04	2.53236E-03	0.											
63	4.72141E-04	1.30863E-02	6.15416E-04	5.45412E-04	3.85430E-05	2.94695E-04	2.53212E-03	0.											
64	4.72092E-04	1.30849E-02	6.15353E-04	5.45409E-04	3.85401E-05	2.94664E-04	2.53186E-03	0.											
65	4.72037E-04	1.30834E-02	6.15280E-04	5.45406E-04	3.85369E-05	2.94628E-04	2.53156E-03	0.											
66	4.71976E-04	1.30816E-02	6.15200E-04	5.45402E-04	3.85334E-05	2.94589E-04	2.53123E-03	0.											
67	4.71909E-04	1.30797E-02	6.15112E-04	5.45397E-04	3.85295E-05	2.94545E-04	2.53087E-03	0.											
68	4.71836E-04	1.30776E-02	6.15016E-04	5.45393E-04	3.85253E-05	2.94498E-04	2.53047E-03	0.											
69	4.71756E-04	1.30753E-02	6.14911E-04	5.45388E-04	3.85206E-05	2.94446E-04	2.53004E-03	0.											
70	4.71671E-04	1.30728E-02	6.14799E-04	5.45382E-04	3.85157E-05	2.94391E-04	2.52958E-03	0.											
71	4.71579E-04	1.30702E-02	6.14678E-04	5.45377E-04	3.85103E-05	2.94331E-04	2.52908E-03	0.											
72	4.71481E-04	1.30673E-02	6.14549E-04	5.45370E-04	3.85047E-05	2.94268E-04	2.52855E-03	0.											
73	0.	0.	0.	0.	0.	0.	0.	0.											
INT. 74 THRU INT. 168 SAME AS ABOVE																			

TABLE XXIV. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 24								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	1.76176E-06	1.09914E-06	3.81637E-06	1.70651E-07	4.72393E-08	8.86540E-07	0.	3.58367E-05
2	1.78140E-06	1.11139E-06	3.85890E-06	1.72553E-07	4.77657E-08	8.96419E-07	0.	3.62360E-05
3	1.80125E-06	1.12378E-06	3.90191E-06	1.74476E-07	4.82981E-08	9.06409E-07	0.	3.66398E-05
4	1.82132E-06	1.13630E-06	3.94538E-06	1.76420E-07	4.88362E-08	9.16509E-07	0.	3.70481E-05
5	1.84162E-06	1.14896E-06	3.98935E-06	1.78386E-07	4.93804E-08	9.26722E-07	0.	3.74610E-05
6	1.86214E-06	1.16177E-06	4.03381E-06	1.80374E-07	4.99307E-08	9.37050E-07	0.	3.78784E-05
7	1.88283E-06	1.17471E-06	4.07876E-06	1.82384E-07	5.04872E-08	9.47492E-07	0.	3.83006E-05
8	1.90387E-06	1.18780E-06	4.12421E-06	1.84416E-07	5.10498E-08	9.58050E-07	0.	3.87273E-05
9	1.92509E-06	1.20104E-06	4.17017E-06	1.86472E-07	5.16186E-08	9.68727E-07	0.	3.91589E-05
10	1.94654E-06	1.21442E-06	4.21664E-06	1.88549E-07	5.21938E-08	9.79522E-07	0.	3.95953E-05
11	1.96823E-06	1.22796E-06	4.26363E-06	1.90651E-07	5.27755E-08	9.90437E-07	0.	4.00365E-05
12	1.99016E-06	1.24164E-06	4.31114E-06	1.92775E-07	5.33635E-08	1.00147E-06	0.	4.04826E-05
13	2.01234E-06	1.25548E-06	4.35918E-06	1.94923E-07	5.39582E-08	1.01263E-06	0.	4.09338E-05
14	2.03476E-06	1.26946E-06	4.40775E-06	1.97095E-07	5.45594E-08	1.02391E-06	0.	4.13899E-05
15	2.05744E-06	1.28361E-06	4.45687E-06	1.99291E-07	5.51674E-08	1.03532E-06	0.	4.18511E-05
16	2.08037E-06	1.29792E-06	4.50653E-06	2.01512E-07	5.57822E-08	1.04686E-06	0.	4.23175E-05
17	2.10355E-06	1.31238E-06	4.55675E-06	2.03758E-07	5.64038E-08	1.05853E-06	0.	4.27890E-05
18	2.12699E-06	1.32700E-06	4.60753E-06	2.06028E-07	5.70323E-08	1.07032E-06	0.	4.32658E-05
19	2.15069E-06	1.34179E-06	4.65887E-06	2.08324E-07	5.76678E-08	1.08225E-06	0.	4.37479E-05
20	2.17452E-06	1.35666E-06	4.71050E-06	2.10632E-07	5.83067E-08	1.09424E-06	0.	4.42326E-05
21	2.19889E-06	1.37186E-06	4.76328E-06	2.12993E-07	5.89602E-08	1.10650E-06	0.	4.47284E-05
22	2.22339E-06	1.38715E-06	4.81636E-06	2.15366E-07	5.96172E-08	1.11883E-06	0.	4.52268E-05
23	2.24817E-06	1.40261E-06	4.87003E-06	2.17766E-07	6.02816E-08	1.13130E-06	0.	4.57308E-05
24	2.27322E-06	1.41823E-06	4.92430E-06	2.20192E-07	6.09532E-08	1.14391E-06	0.	4.62403E-05
25	2.29856E-06	1.43405E-06	4.97921E-06	2.22648E-07	6.16328E-08	1.15666E-06	0.	4.67559E-05
26	2.32416E-06	1.45002E-06	5.03466E-06	2.25127E-07	6.23192E-08	1.16954E-06	0.	4.72766E-05
27	2.35008E-06	1.46618E-06	5.09079E-06	2.27637E-07	6.30140E-08	1.18258E-06	0.	4.78037E-05
28	2.37626E-06	1.48252E-06	5.14752E-06	2.30174E-07	6.37162E-08	1.19576E-06	0.	4.83364E-05
29	2.40274E-06	1.49904E-06	5.20489E-06	2.32739E-07	6.44263E-08	1.20909E-06	0.	4.88751E-05
30	2.42950E-06	1.51574E-06	5.26285E-06	2.35331E-07	6.51438E-08	1.22255E-06	0.	4.94193E-05
31	2.45657E-06	1.53264E-06	5.32149E-06	2.37953E-07	6.58698E-08	1.23617E-06	0.	4.99700E-05
32	2.48396E-06	1.54972E-06	5.38083E-06	2.40606E-07	6.66041E-08	1.24996E-06	0.	5.05272E-05
33	2.51163E-06	1.56698E-06	5.44075E-06	2.43286E-07	6.73459E-08	1.26388E-06	0.	5.10899E-05
34	2.53963E-06	1.58446E-06	5.50142E-06	2.45998E-07	6.80968E-08	1.27797E-06	0.	5.16596E-05
35	2.56793E-06	1.60210E-06	5.56272E-06	2.48740E-07	6.88556E-08	1.29221E-06	0.	5.22353E-05
36	2.59655E-06	1.61996E-06	5.62471E-06	2.51512E-07	6.96230E-08	1.30661E-06	0.	5.28173E-05
37	2.62548E-06	1.63802E-06	5.68739E-06	2.54314E-07	7.03989E-08	1.32117E-06	0.	5.34060E-05
38	2.65474E-06	1.65627E-06	5.75076E-06	2.57148E-07	7.11833E-08	1.33589E-06	0.	5.40011E-05
39	2.68431E-06	1.67472E-06	5.81482E-06	2.60012E-07	7.19762E-08	1.35077E-06	0.	5.46026E-05
40	2.71422E-06	1.69338E-06	5.87962E-06	2.62910E-07	7.27782E-08	1.36582E-06	0.	5.52110E-05

TABLE XXIV. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 24								
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	2.74447E-06	1.71226E-06	5.94515E-06	2.65840E-07	7.35895E-08	1.38105E-06	0.	5.58265E-05
42	2.77507E-06	1.73134E-06	6.01143E-06	2.68804E-07	7.44097E-08	1.39644E-06	0.	5.64488E-05
43	2.80598E-06	1.75063E-06	6.07839E-06	2.71798E-07	7.52386E-08	1.41200E-06	0.	5.70775E-05
44	2.83725E-06	1.77014E-06	6.14613E-06	2.74827E-07	7.60772E-08	1.42774E-06	0.	5.77137E-05
45	2.86887E-06	1.78987E-06	6.21462E-06	2.77890E-07	7.69249E-08	1.44365E-06	0.	5.83568E-05
46	2.90083E-06	1.80980E-06	6.28384E-06	2.80985E-07	7.77818E-08	1.45973E-06	0.	5.90068E-05
47	2.93317E-06	1.82998E-06	6.35391E-06	2.84118E-07	7.86490E-08	1.47600E-06	0.	5.96648E-05
48	2.96585E-06	1.85037E-06	6.42470E-06	2.87284E-07	7.95254E-08	1.49245E-06	0.	6.03296E-05
49	2.99890E-06	1.87093E-06	6.49629E-06	2.90485E-07	8.04115E-08	1.50908E-06	0.	6.10018E-05
50	3.03231E-06	1.89183E-06	6.56366E-06	2.93721E-07	8.13073E-08	1.52589E-06	0.	6.16814E-05
51	3.06610E-06	1.91292E-06	6.64187E-06	2.96994E-07	8.22135E-08	1.54291E-06	0.	6.23688E-05
52	3.10029E-06	1.93424E-06	6.71592E-06	3.00305E-07	8.31301E-08	1.56010E-06	0.	6.30641E-05
53	3.13483E-06	1.95583E-06	6.79075E-06	3.03652E-07	8.40563E-08	1.57748E-06	0.	6.37669E-05
54	2.02228E-03	1.12891E-03	3.98581E-03	2.40515E-04	4.69181E-05	9.78302E-04	1.01206E-06	3.55741E-02
55	2.02231E-03	1.12893E-03	3.98586E-03	2.40517E-04	4.69187E-05	9.78315E-04	1.01206E-06	3.55746E-02
56	2.02231E-03	1.12893E-03	3.98586E-03	2.40517E-04	4.69187E-05	9.78315E-04	1.01206E-06	3.55746E-02
57	2.02228E-03	1.12891E-03	3.98581E-03	2.40515E-04	4.69181E-05	9.78302E-04	1.01206E-06	3.55741E-02
58	2.02224E-03	1.12888E-03	3.98571E-03	2.40510E-04	4.69169E-05	9.78279E-04	1.01206E-06	3.55731E-02
59	2.02217E-03	1.12884E-03	3.98556E-03	2.40504E-04	4.69150E-05	9.78244E-04	1.01206E-06	3.55717E-02
60	2.02207E-03	1.12878E-03	3.98536E-03	2.40495E-04	4.69125E-05	9.78197E-04	1.01206E-06	3.55698E-02
61	2.02196E-03	1.12871E-03	3.98510E-03	2.40483E-04	4.69093E-05	9.78137E-04	1.01206E-06	3.55674E-02
62	2.02181E-03	1.12862E-03	3.98479E-03	2.40470E-04	4.69055E-05	9.78067E-04	1.01206E-06	3.55645E-02
63	2.02165E-03	1.12852E-03	3.98444E-03	2.40454E-04	4.69012E-05	9.77984E-04	1.01206E-06	3.55612E-02
64	2.02146E-03	1.12840E-03	3.98403E-03	2.40436E-04	4.68961E-05	9.77891E-04	1.01206E-06	3.55574E-02
65	2.02125E-03	1.12827E-03	3.98358E-03	2.40415E-04	4.68905E-05	9.77784E-04	1.01206E-06	3.55531E-02
66	2.02102E-03	1.12812E-03	3.98307E-03	2.40392E-04	4.68842E-05	9.77665E-04	1.01206E-06	3.55483E-02
67	2.02076E-03	1.12796E-03	3.98251E-03	2.40367E-04	4.68773E-05	9.77535E-04	1.01206E-06	3.55431E-02
68	2.02046E-03	1.12779E-03	3.98190E-03	2.40340E-04	4.68697E-05	9.77394E-04	1.01206E-06	3.55374E-02
69	2.02017E-03	1.12760E-03	3.98124E-03	2.40311E-04	4.68615E-05	9.77241E-04	1.01206E-06	3.55311E-02
70	2.01984E-03	1.12739E-03	3.98052E-03	2.40279E-04	4.68527E-05	9.77074E-04	1.01206E-06	3.55244E-02
71	2.01949E-03	1.12717E-03	3.97976E-03	2.40244E-04	4.68432E-05	9.76898E-04	1.01206E-06	3.55173E-02
72	2.01911E-03	1.12694E-03	3.97894E-03	2.40208E-04	4.68331E-05	9.76708E-04	1.01206E-06	3.55096E-02
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXIV. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 32									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	3.50462E-07	3.88618E-07	1.73211E-07	1.06003E-06	4.46220E-07	2.81097E-05	3.04844E-08	4.39658E-07	
2	3.54368E-07	3.92949E-07	1.75141E-07	1.07185E-06	4.51193E-07	2.84229E-05	3.08242E-08	4.44558E-07	
3	3.58317E-07	3.97328E-07	1.77093E-07	1.08379E-06	4.56221E-07	2.87397E-05	3.11677E-08	4.49512E-07	
4	3.62310E-07	4.01756E-07	1.79066E-07	1.09587E-06	4.61305E-07	2.90599E-05	3.15150E-08	4.54521E-07	
5	3.66347E-07	4.06233E-07	1.81062E-07	1.10808E-06	4.66446E-07	2.93838E-05	3.18662E-08	4.59586E-07	
6	3.70430E-07	4.10759E-07	1.83080E-07	1.12043E-06	4.71644E-07	2.97112E-05	3.22213E-08	4.64707E-07	
7	3.74558E-07	4.15337E-07	1.85120E-07	1.13291E-06	4.76900E-07	3.00423E-05	3.25804E-08	4.69886E-07	
8	3.78732E-07	4.19965E-07	1.87183E-07	1.14554E-06	4.82214E-07	3.03771E-05	3.29434E-08	4.75122E-07	
9	3.82952E-07	4.24645E-07	1.89269E-07	1.15830E-06	4.87588E-07	3.07156E-05	3.33105E-08	4.80417E-07	
10	3.87219E-07	4.29377E-07	1.91378E-07	1.17121E-06	4.93022E-07	3.10579E-05	3.36817E-08	4.85771E-07	
11	3.91535E-07	4.34162E-07	1.93510E-07	1.18426E-06	4.98516E-07	3.14040E-05	3.40570E-08	4.91185E-07	
12	3.95897E-07	4.39000E-07	1.95667E-07	1.19746E-06	5.04071E-07	3.17539E-05	3.44365E-08	4.96658E-07	
13	4.00309E-07	4.43892E-07	1.97847E-07	1.21080E-06	5.09688E-07	3.21078E-05	3.48203E-08	5.02193E-07	
14	4.04770E-07	4.48838E-07	2.00052E-07	1.22429E-06	5.15367E-07	3.24655E-05	3.52083E-08	5.07788E-07	
15	4.09280E-07	4.53839E-07	2.02281E-07	1.23794E-06	5.21110E-07	3.28273E-05	3.56006E-08	5.13447E-07	
16	4.13841E-07	4.58897E-07	2.04535E-07	1.25173E-06	5.26917E-07	3.31931E-05	3.59973E-08	5.19168E-07	
17	4.18453E-07	4.64011E-07	2.06814E-07	1.26568E-06	5.32789E-07	3.35630E-05	3.63985E-08	5.24954E-07	
18	4.23115E-07	4.69181E-07	2.09119E-07	1.27978E-06	5.38726E-07	3.39370E-05	3.68040E-08	5.30803E-07	
19	4.27830E-07	4.74409E-07	2.11449E-07	1.29405E-06	5.44729E-07	3.43152E-05	3.72142E-08	5.36718E-07	
20	4.32570E-07	4.79666E-07	2.13792E-07	1.30838E-06	5.50764E-07	3.46954E-05	3.76265E-08	5.42665E-07	
21	4.37419E-07	4.85042E-07	2.16188E-07	1.32305E-06	5.56937E-07	3.50842E-05	3.80482E-08	5.48747E-07	
22	4.42293E-07	4.90447E-07	2.18597E-07	1.33779E-06	5.63143E-07	3.54752E-05	3.84722E-08	5.54862E-07	
23	4.47222E-07	4.95913E-07	2.21033E-07	1.35270E-06	5.69419E-07	3.58705E-05	3.89009E-08	5.61045E-07	
24	4.52204E-07	5.01438E-07	2.23495E-07	1.36777E-06	5.75763E-07	3.62701E-05	3.93343E-08	5.67295E-07	
25	4.57246E-07	5.07029E-07	2.25987E-07	1.38302E-06	5.82183E-07	3.66746E-05	3.97729E-08	5.73621E-07	
26	4.62338E-07	5.12675E-07	2.28504E-07	1.39842E-06	5.88666E-07	3.70830E-05	4.02158E-08	5.80009E-07	
27	4.67493E-07	5.18392E-07	2.31052E-07	1.41401E-06	5.95229E-07	3.74964E-05	4.06642E-08	5.86476E-07	
28	4.72703E-07	5.24168E-07	2.33626E-07	1.42977E-06	6.01862E-07	3.79143E-05	4.11173E-08	5.93011E-07	
29	4.77971E-07	5.30010E-07	2.36230E-07	1.44571E-06	6.08570E-07	3.83368E-05	4.15757E-08	5.99620E-07	
30	4.83294E-07	5.35912E-07	2.38861E-07	1.46180E-06	6.15346E-07	3.87637E-05	4.20386E-08	6.06297E-07	
31	4.88679E-07	5.41884E-07	2.41522E-07	1.47809E-06	6.22203E-07	3.91957E-05	4.25071E-08	6.13053E-07	
32	4.94128E-07	5.47926E-07	2.44215E-07	1.49457E-06	6.29141E-07	3.96327E-05	4.29810E-08	6.19889E-07	
33	4.99632E-07	5.54028E-07	2.46935E-07	1.51122E-06	6.36148E-07	4.00741E-05	4.34597E-08	6.26792E-07	
34	5.05203E-07	5.60205E-07	2.49688E-07	1.52807E-06	6.43241E-07	4.05209E-05	4.39443E-08	6.33781E-07	
35	5.10832E-07	5.66448E-07	2.52471E-07	1.54511E-06	6.50408E-07	4.09724E-05	4.44340E-08	6.40843E-07	
36	5.16525E-07	5.72760E-07	2.55284E-07	1.56232E-06	6.57657E-07	4.14290E-05	4.49291E-08	6.47985E-07	
37	5.22281E-07	5.79143E-07	2.58129E-07	1.57974E-06	6.64985E-07	4.18907E-05	4.54298E-08	6.55206E-07	
38	5.28100E-07	5.85596E-07	2.61005E-07	1.59733E-06	6.72395E-07	4.23575E-05	4.59360E-08	6.62507E-07	
39	5.33983E-07	5.92119E-07	2.63913E-07	1.61513E-06	6.79885E-07	4.28293E-05	4.64477E-08	6.69886E-07	
40	5.39933E-07	5.98717E-07	2.66854E-07	1.63313E-06	6.87461E-07	4.33066E-05	4.69653E-08	6.77351E-07	

TABLE XXIV. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 32								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	5.45951E-07	6.05391E-07	2.69828E-07	1.65132E-06	6.95123E-07	4.37893E-05	4.74888E-08	6.84901E-07
42	5.52037E-07	6.12139E-07	2.72836E-07	1.66973E-06	7.02872E-07	4.42774E-05	4.80181E-08	6.92536E-07
43	5.58186E-07	6.18957E-07	2.75875E-07	1.68834E-06	7.10701E-07	4.47706E-05	4.85530E-08	7.00250E-07
44	5.64408E-07	6.25856E-07	2.78950E-07	1.70716E-06	7.18623E-07	4.52696E-05	4.90942E-08	7.08055E-07
45	5.70697E-07	6.32830E-07	2.82058E-07	1.72618E-06	7.26630E-07	4.57741E-05	4.96412E-08	7.15944E-07
46	5.77054E-07	6.39879E-07	2.85200E-07	1.74541E-06	7.34724E-07	4.62839E-05	5.01942E-08	7.23919E-07
47	5.83488E-07	6.47014E-07	2.88380E-07	1.76487E-06	7.42916E-07	4.68000E-05	5.07538E-08	7.31991E-07
48	5.89989E-07	6.54223E-07	2.91593E-07	1.78453E-06	7.51194E-07	4.73214E-05	5.13193E-08	7.40147E-07
49	5.96563E-07	6.61513E-07	2.94842E-07	1.80442E-06	7.59564E-07	4.78487E-05	5.18911E-08	7.48394E-07
50	6.03209E-07	6.68882E-07	2.98127E-07	1.82452E-06	7.68026E-07	4.83818E-05	5.24692E-08	7.56731E-07
51	6.09932E-07	6.76337E-07	3.01449E-07	1.84485E-06	7.76586E-07	4.89210E-05	5.30540E-08	7.65165E-07
52	6.16732E-07	6.83877E-07	3.04810E-07	1.86542E-06	7.85244E-07	4.94664E-05	5.36455E-08	7.73696E-07
53	6.23604E-07	6.91497E-07	3.08206E-07	1.88620E-06	7.93993E-07	5.00176E-05	5.42433E-08	7.82317E-07
54	4.47030E-04	4.14910E-04	1.74487E-04	1.17237E-03	6.75854E-04	2.87088E-02	1.40239E-04	1.38386E-03
55	4.47035E-04	4.14916E-04	1.74490E-04	1.17238E-03	6.75860E-04	2.87092E-02	1.40240E-04	1.38386E-03
56	4.47035E-04	4.14916E-04	1.74490E-04	1.17238E-03	6.75860E-04	2.87092E-02	1.40240E-04	1.38386E-03
57	4.47030E-04	4.14910E-04	1.74487E-04	1.17237E-03	6.75854E-04	2.87088E-02	1.40239E-04	1.38386E-03
58	4.47021E-04	4.14900E-04	1.74483E-04	1.17234E-03	6.75843E-04	2.87081E-02	1.40238E-04	1.38384E-03
59	4.47007E-04	4.14885E-04	1.74476E-04	1.17230E-03	6.75825E-04	2.87070E-02	1.40237E-04	1.38383E-03
60	4.46988E-04	4.14864E-04	1.74467E-04	1.17224E-03	6.75801E-04	2.87055E-02	1.40236E-04	1.38380E-03
61	4.46965E-04	4.14838E-04	1.74455E-04	1.17217E-03	6.75772E-04	2.87036E-02	1.40234E-04	1.38377E-03
62	4.46937E-04	4.14807E-04	1.74441E-04	1.17209E-03	6.75736E-04	2.87014E-02	1.40231E-04	1.38374E-03
63	4.46904E-04	4.14771E-04	1.74425E-04	1.17199E-03	6.75694E-04	2.86987E-02	1.40228E-04	1.38370E-03
64	4.46867E-04	4.14730E-04	1.74407E-04	1.17187E-03	6.75647E-04	2.86958E-02	1.40225E-04	1.38365E-03
65	4.46825E-04	4.14683E-04	1.74386E-04	1.17175E-03	6.75594E-04	2.86924E-02	1.40221E-04	1.38360E-03
66	4.46778E-04	4.14631E-04	1.74363E-04	1.17161E-03	6.75534E-04	2.86886E-02	1.40217E-04	1.38354E-03
67	4.46727E-04	4.14574E-04	1.74338E-04	1.17145E-03	6.75469E-04	2.86845E-02	1.40213E-04	1.38348E-03
68	4.46671E-04	4.14512E-04	1.74310E-04	1.17128E-03	6.75397E-04	2.86800E-02	1.40208E-04	1.38341E-03
69	4.46610E-04	4.14445E-04	1.74280E-04	1.17110E-03	6.75320E-04	2.86752E-02	1.40203E-04	1.38333E-03
70	4.46545E-04	4.14372E-04	1.74247E-04	1.17090E-03	6.75236E-04	2.86699E-02	1.40197E-04	1.38325E-03
71	4.46474E-04	4.14294E-04	1.74213E-04	1.17069E-03	6.75147E-04	2.86643E-02	1.40191E-04	1.38316E-03
72	4.46400E-04	4.14211E-04	1.74176E-04	1.17046E-03	6.75052E-04	2.86583E-02	1.40184E-04	1.38307E-03
73	0.	0.	0.	0.	0.	0.	0.	0.

INT. 74 THRU INT. 168 SAME AS ABOVE

TABLE XXIV. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 40					
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
1	1.69124E-05	6.14343E-06	1.48388E-06	2.12856E-05	2.13159E-05
2	1.71007E-05	6.21189E-06	1.50042E-06	2.15228E-05	2.15534E-05
3	1.72913E-05	6.28112E-06	1.51714E-06	2.17627E-05	2.17936E-05
4	1.74841E-05	6.35111E-06	1.53404E-06	2.20052E-05	2.20365E-05
5	1.76788E-05	6.42189E-06	1.55115E-06	2.22504E-05	2.22820E-05
6	1.78758E-05	6.49345E-06	1.56843E-06	2.24984E-05	2.25303E-05
7	1.80751E-05	6.56582E-06	1.58592E-06	2.27491E-05	2.27814E-05
8	1.82764E-05	6.63898E-06	1.60358E-06	2.30026E-05	2.30353E-05
9	1.84801E-05	6.71296E-06	1.62146E-06	2.32589E-05	2.32920E-05
10	1.86862E-05	6.78776E-06	1.63952E-06	2.35181E-05	2.35515E-05
11	1.88944E-05	6.86341E-06	1.65780E-06	2.37802E-05	2.38140E-05
12	1.91048E-05	6.93989E-06	1.67627E-06	2.40452E-05	2.40793E-05
13	1.93178E-05	7.01722E-06	1.69495E-06	2.43131E-05	2.43477E-05
14	1.95331E-05	7.09541E-06	1.71383E-06	2.45840E-05	2.46189E-05
15	1.97507E-05	7.17448E-06	1.73293E-06	2.48579E-05	2.48933E-05
16	1.99708E-05	7.25443E-06	1.75224E-06	2.51350E-05	2.51707E-05
17	2.01934E-05	7.33527E-06	1.77177E-06	2.54151E-05	2.54512E-05
18	2.04184E-05	7.41700E-06	1.79151E-06	2.56982E-05	2.57348E-05
19	2.06459E-05	7.49965E-06	1.81147E-06	2.59846E-05	2.60215E-05
20	2.08747E-05	7.58274E-06	1.83154E-06	2.62725E-05	2.63098E-05
21	2.11086E-05	7.66773E-06	1.85207E-06	2.65670E-05	2.66047E-05
22	2.13438E-05	7.75317E-06	1.87271E-06	2.68630E-05	2.69012E-05
23	2.15817E-05	7.83957E-06	1.89358E-06	2.71624E-05	2.72010E-05
24	2.18221E-05	7.92692E-06	1.91468E-06	2.74650E-05	2.75040E-05
25	2.20654E-05	8.01531E-06	1.93602E-06	2.77712E-05	2.78107E-05
26	2.23112E-05	8.10457E-06	1.95758E-06	2.80805E-05	2.81204E-05
27	2.25599E-05	8.19494E-06	1.97941E-06	2.83936E-05	2.84339E-05
28	2.28113E-05	8.28626E-06	2.00147E-06	2.87100E-05	2.87508E-05
29	2.30656E-05	8.37860E-06	2.02377E-06	2.90299E-05	2.90712E-05
30	2.33224E-05	8.47190E-06	2.04631E-06	2.93532E-05	2.93949E-05
31	2.35823E-05	8.56631E-06	2.06911E-06	2.96803E-05	2.97225E-05
32	2.38452E-05	8.66182E-06	2.09218E-06	3.00112E-05	3.00539E-05
33	2.41108E-05	8.75829E-06	2.11548E-06	3.03455E-05	3.03886E-05
34	2.43796E-05	8.85594E-06	2.13907E-06	3.06838E-05	3.07274E-05
35	2.46513E-05	8.95462E-06	2.16291E-06	3.10257E-05	3.10698E-05
36	2.49260E-05	9.05442E-06	2.18701E-06	3.13715E-05	3.14161E-05
37	2.52038E-05	9.15532E-06	2.21138E-06	3.17211E-05	3.17662E-05
38	2.54846E-05	9.25733E-06	2.23602E-06	3.20745E-05	3.21201E-05
39	2.57685E-05	9.36045E-06	2.26093E-06	3.24318E-05	3.24779E-05
40	2.60556E-05	9.46475E-06	2.28612E-06	3.27932E-05	3.28398E-05

TABLE XXIV. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40						
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	
41	2.63460E-05	9.57025E-06	2.31160E-06	3.31587E-05	3.32058E-05	
42	2.66397E-05	9.67693E-06	2.33737E-06	3.35284E-05	3.35760E-05	
43	2.69365E-05	9.78472E-06	2.36341E-06	3.39018E-05	3.39500E-05	
44	2.72367E-05	9.89378E-06	2.38975E-06	3.42797E-05	3.43284E-05	
45	2.75402E-05	1.00040E-05	2.41638E-06	3.46617E-05	3.47109E-05	
46	2.78470E-05	1.01154E-05	2.44329E-06	3.50477E-05	3.50976E-05	
47	2.81574E-05	1.02282E-05	2.47054E-06	3.54385E-05	3.54889E-05	
48	2.84712E-05	1.03422E-05	2.49806E-06	3.58334E-05	3.58843E-05	
49	2.87884E-05	1.04574E-05	2.52590E-06	3.62327E-05	3.62842E-05	
50	2.91091E-05	1.05739E-05	2.55404E-06	3.66363E-05	3.66884E-05	
51	2.94336E-05	1.06918E-05	2.58250E-06	3.70446E-05	3.70973E-05	
52	2.97617E-05	1.08110E-05	2.61129E-06	3.74576E-05	3.75109E-05	
53	3.00933E-05	1.09314E-05	2.64039E-06	3.78750E-05	3.79288E-05	
54	1.82076E-02	6.96126E-03	1.06802E-02	3.71842E-02	4.45655E-02	
55	1.82078E-02	6.96135E-03	1.06802E-02	3.71845E-02	4.45658E-02	
56	1.82078E-02	6.96135E-03	1.06802E-02	3.71845E-02	4.45658E-02	
57	1.82076E-02	6.96126E-03	1.06802E-02	3.71842E-02	4.45655E-02	
58	1.82072E-02	6.96110E-03	1.06802E-02	3.71837E-02	4.45650E-02	
59	1.82065E-02	6.96085E-03	1.06801E-02	3.71828E-02	4.45641E-02	
60	1.82056E-02	6.96053E-03	1.06800E-02	3.71817E-02	4.45630E-02	
61	1.82045E-02	6.96012E-03	1.06799E-02	3.71803E-02	4.45616E-02	
62	1.82031E-02	6.95962E-03	1.06798E-02	3.71795E-02	4.45599E-02	
63	1.82015E-02	6.95905E-03	1.06797E-02	3.71786E-02	4.45579E-02	
64	1.81997E-02	6.95841E-03	1.06795E-02	3.71743E-02	4.45556E-02	
65	1.81977E-02	6.95767E-03	1.06794E-02	3.71718E-02	4.45531E-02	
66	1.81954E-02	6.95685E-03	1.06792E-02	3.71699E-02	4.45502E-02	
67	1.81930E-02	6.95594E-03	1.06789E-02	3.71658E-02	4.45471E-02	
68	1.81903E-02	6.95496E-03	1.06787E-02	3.71624E-02	4.45437E-02	
69	1.81873E-02	6.95390E-03	1.06784E-02	3.71537E-02	4.45400E-02	
70	1.81842E-02	6.95276E-03	1.06782E-02	3.71547E-02	4.45360E-02	
71	1.81808E-02	6.95151E-03	1.06779E-02	3.71526E-02	4.45317E-02	
72	1.81772E-02	6.95021E-03	1.06776E-02	3.71439E-02	4.45272E-02	
73	0.	0.	0.	0.	0.	

INT. 74 THRU INT. 168 SAME AS ABOVE

Tables XXV through XXVIII give the ground source strengths in the sandstone ore body and the dirt overburden for 3.2PPM uranium in the sandstone ore body for each of the four dirt overburden thicknesses. For the data given in Tables XXV through XXVIII, the energy group number is indicated by G and the spatial interval is denoted by INT. The energy bounds for each value of G are given in Table II. The spatial intervals, INT, are each 1.71099 cm in thickness. INT=1 starts at 123.19 cm depth. The upper bound of interval 72 is at ground level. The units of the data in Tables XXV through XXVIII are photons/cm³sec.

TABLE XXV. GAMMA-RAY SOURCE DATA FOR 3.2PPM URANIUM SOURCE IN SANDSTONE ORE BODY:
DIRT OVERBURDEN LAYER 1

G = ENERGY GROUP NUMBER; INT.= SPATIAL INTERVAL NUMBER

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 0

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.56594E-05	1.26260E-03	2.78625E-06	3.11171E-05	5.71022E-03	5.64232E-05	4.66326E-04	1.77957E-02
2	2.56457E-05	1.26193E-03	2.78476E-06	3.11005E-05	5.70719E-03	5.63967E-05	4.66084E-04	1.77862E-02
3	2.56319E-05	1.26125E-03	2.78326E-06	3.10938E-05	5.70411E-03	5.63698E-05	4.65839E-04	1.77767E-02
4	2.56179E-05	1.26056E-03	2.78175E-06	3.10668E-05	5.70100E-03	5.63427E-05	4.65592E-04	1.77670E-02
5	2.56038E-05	1.25987E-03	2.78021E-06	3.10497E-05	5.69786E-03	5.63152E-05	4.65342E-04	1.77572E-02
6	2.55895E-05	1.25916E-03	2.77866E-06	3.10324E-05	5.69468E-03	5.62873E-05	4.65089E-04	1.77474E-02
7	2.55751E-05	1.25845E-03	2.77709E-06	3.10149E-05	5.69146E-03	5.62592E-05	4.64833E-04	1.77374E-02
8	2.55605E-05	1.25773E-03	2.77551E-06	3.09972E-05	5.68822E-03	5.62309E-05	4.64574E-04	1.77273E-02
9	2.55457E-05	1.25701E-03	2.77391E-06	3.09793E-05	5.68493E-03	5.62021E-05	4.64313E-04	1.77170E-02
10	2.55308E-05	1.25627E-03	2.77228E-06	3.09612E-05	5.68161E-03	5.61731E-05	4.64048E-04	1.77067E-02
11	2.55157E-05	1.25553E-03	2.77065E-06	3.09429E-05	5.67825E-03	5.61436E-05	4.63781E-04	1.76963E-02
12	2.55005E-05	1.25478E-03	2.76899E-06	3.09243E-05	5.67485E-03	5.61139E-05	4.63510E-04	1.76857E-02
13	2.54850E-05	1.25402E-03	2.76731E-06	3.09056E-05	5.67141E-03	5.60840E-05	4.63237E-04	1.76750E-02
14	2.54694E-05	1.25325E-03	2.76562E-06	3.08867E-05	5.66795E-03	5.60537E-05	4.62961E-04	1.76642E-02
15	2.54536E-05	1.25248E-03	2.76391E-06	3.08676E-05	5.66443E-03	5.60229E-05	4.62681E-04	1.76533E-02
16	2.54377E-05	1.25169E-03	2.76217E-06	3.08482E-05	5.66088E-03	5.59919E-05	4.62398E-04	1.76423E-02
17	2.54216E-05	1.25090E-03	2.76042E-06	3.08287E-05	5.65729E-03	5.59605E-05	4.62113E-04	1.76311E-02
18	2.54052E-05	1.25009E-03	2.75865E-06	3.08089E-05	5.65366E-03	5.59287E-05	4.61824E-04	1.76198E-02
19	2.53888E-05	1.24928E-03	2.75686E-06	3.07889E-05	5.64995E-03	5.58966E-05	4.61532E-04	1.76084E-02
20	2.53722E-05	1.24847E-03	2.75506E-06	3.07688E-05	5.64630E-03	5.58644E-05	4.61238E-04	1.75969E-02
21	2.53552E-05	1.24763E-03	2.75322E-06	3.07482E-05	5.64252E-03	5.58313E-05	4.60937E-04	1.75852E-02
22	2.53382E-05	1.24679E-03	2.75137E-06	3.07275E-05	5.63873E-03	5.57982E-05	4.60635E-04	1.75734E-02
23	2.53209E-05	1.24594E-03	2.74950E-06	3.07066E-05	5.63490E-03	5.57646E-05	4.60330E-04	1.75615E-02
24	2.53035E-05	1.24509E-03	2.74760E-06	3.06855E-05	5.63102E-03	5.57306E-05	4.60021E-04	1.75494E-02
25	2.52859E-05	1.24422E-03	2.74569E-06	3.06641E-05	5.62709E-03	5.56964E-05	4.59709E-04	1.75372E-02
26	2.52680E-05	1.24334E-03	2.74375E-06	3.06425E-05	5.62313E-03	5.56617E-05	4.59393E-04	1.75248E-02
27	2.52500E-05	1.24246E-03	2.74180E-06	3.06206E-05	5.61911E-03	5.56265E-05	4.59074E-04	1.75124E-02
28	2.52318E-05	1.24156E-03	2.73982E-06	3.05985E-05	5.61506E-03	5.55912E-05	4.58751E-04	1.74998E-02
29	2.52134E-05	1.24065E-03	2.73782E-06	3.05762E-05	5.61096E-03	5.55553E-05	4.58425E-04	1.74870E-02
30	2.51947E-05	1.23974E-03	2.73580E-06	3.05536E-05	5.60681E-03	5.55191E-05	4.58095E-04	1.74741E-02
31	2.51759E-05	1.23881E-03	2.73375E-06	3.05308E-05	5.60262E-03	5.54824E-05	4.57761E-04	1.74611E-02
32	2.51568E-05	1.23787E-03	2.73168E-06	3.05076E-05	5.59838E-03	5.54453E-05	4.57424E-04	1.74479E-02
33	2.51376E-05	1.23692E-03	2.72959E-06	3.04843E-05	5.59410E-03	5.54078E-05	4.57082E-04	1.74346E-02
34	2.51181E-05	1.23597E-03	2.72748E-06	3.04607E-05	5.58976E-03	5.53700E-05	4.56737E-04	1.74211E-02
35	2.50984E-05	1.23500E-03	2.72534E-06	3.04368E-05	5.58538E-03	5.53315E-05	4.56389E-04	1.74075E-02
36	2.50785E-05	1.23402E-03	2.72318E-06	3.04126E-05	5.58095E-03	5.52929E-05	4.56036E-04	1.73937E-02
37	2.50584E-05	1.23303E-03	2.72099E-06	3.03882E-05	5.57647E-03	5.52537E-05	4.55679E-04	1.73797E-02
38	2.50380E-05	1.23202E-03	2.71878E-06	3.03635E-05	5.57194E-03	5.52141E-05	4.55319E-04	1.73657E-02
39	2.50174E-05	1.23101E-03	2.71654E-06	3.03386E-05	5.56736E-03	5.51740E-05	4.54954E-04	1.73514E-02
40	2.49966E-05	1.22999E-03	2.71429E-06	3.03133E-05	5.56273E-03	5.51335E-05	4.54585E-04	1.73370E-02

TABLE XXV. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE		G=GROUP NO.		N= 0									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8					
41	2.49756E-05	1.22895E-03	2.71200E-06	3.02878E-05	5.55804E-03	5.50925E-05	4.54212E-04	1.73224E-02					
42	2.49543E-05	1.22790E-03	2.70969E-06	3.02620E-05	5.55330E-03	5.50510E-05	4.53835E-04	1.73077E-02					
43	2.49328E-05	1.22684E-03	2.70735E-06	3.02359E-05	5.54851E-03	5.50093E-05	4.53454E-04	1.72928E-02					
44	2.49110E-05	1.22577E-03	2.70499E-06	3.02095E-05	5.54367E-03	5.49668E-05	4.53068E-04	1.72778E-02					
45	2.48890E-05	1.22469E-03	2.70260E-06	3.01828E-05	5.53878E-03	5.49241E-05	4.52679E-04	1.72625E-02					
46	2.48668E-05	1.22360E-03	2.70019E-06	3.01559E-05	5.53383E-03	5.48807E-05	4.52285E-04	1.72471E-02					
47	2.48443E-05	1.22249E-03	2.69775E-06	3.01286E-05	5.52882E-03	5.48370E-05	4.51887E-04	1.72316E-02					
48	2.48215E-05	1.22137E-03	2.69527E-06	3.01010E-05	5.52376E-03	5.47927E-05	4.51483E-04	1.72158E-02					
49	2.47985E-05	1.22024E-03	2.69278E-06	3.00731E-05	5.51864E-03	5.47479E-05	4.51076E-04	1.71999E-02					
50	2.47753E-05	1.21910E-03	2.69025E-06	3.00449E-05	5.51347E-03	5.47027E-05	4.50664E-04	1.71838E-02					
51	2.47517E-05	1.21794E-03	2.68770E-06	3.00164E-05	5.50823E-03	5.46570E-05	4.50248E-04	1.71675E-02					
52	2.47280E-05	1.21677E-03	2.68512E-06	2.99876E-05	5.50294E-03	5.46106E-05	4.49827E-04	1.71511E-02					
53	2.47039E-05	1.21558E-03	2.68251E-06	2.99584E-05	5.49759E-03	5.45638E-05	4.49400E-04	1.71344E-02					
54	2.46796E-05	1.21439E-03	2.67987E-06	2.99289E-05	5.49218E-03	5.45167E-05	4.48970E-04	1.71176E-02					
55	2.46550E-05	1.21318E-03	2.67720E-06	2.98991E-05	5.48671E-03	5.44688E-05	4.48535E-04	1.71006E-02					
56	2.46302E-05	1.21196E-03	2.67450E-06	2.98690E-05	5.48118E-03	5.44204E-05	4.48094E-04	1.70834E-02					
57	2.46050E-05	1.21072E-03	2.67177E-06	2.98385E-05	5.47559E-03	5.43714E-05	4.47649E-04	1.70660E-02					
58	2.45797E-05	1.20947E-03	2.66902E-06	2.98077E-05	5.46994E-03	5.43221E-05	4.47199E-04	1.70484E-02					
59	2.45540E-05	1.20821E-03	2.66623E-06	2.97765E-05	5.46422E-03	5.42721E-05	4.46744E-04	1.70307E-02					
60	2.45280E-05	1.20693E-03	2.66341E-06	2.97450E-05	5.45844E-03	5.42214E-05	4.46284E-04	1.70127E-02					
61	2.45017E-05	1.20563E-03	2.66055E-06	2.97132E-05	5.45259E-03	5.41703E-05	4.45818E-04	1.69945E-02					
62	2.44751E-05	1.20433E-03	2.65767E-06	2.96809E-05	5.44668E-03	5.41186E-05	4.45348E-04	1.69761E-02					
63	2.44483E-05	1.20301E-03	2.65475E-06	2.96484E-05	5.44070E-03	5.40664E-05	4.44872E-04	1.69575E-02					
64	2.44211E-05	1.20167E-03	2.65180E-06	2.96154E-05	5.43466E-03	5.40136E-05	4.44391E-04	1.69387E-02					
65	2.43937E-05	1.20032E-03	2.64882E-06	2.95822E-05	5.42855E-03	5.39601E-05	4.43905E-04	1.69197E-02					
66	2.43659E-05	1.19895E-03	2.64581E-06	2.95485E-05	5.42237E-03	5.39061E-05	4.43413E-04	1.69005E-02					
67	1.41012E-07	6.93872E-06	1.53100E-08	1.71006E-07	3.13809E-05	2.74415E-07	2.49794E-06	9.75898E-05					
68	1.12780E-07	5.54992E-06	1.22456E-08	1.36778E-07	2.51000E-05	2.19491E-07	1.99797E-06	7.80569E-05					
69	8.45804E-08	4.16188E-06	9.18300E-09	1.02570E-07	1.88225E-05	1.64596E-07	1.49827E-06	5.85349E-05					
70	5.63808E-08	2.77429E-06	6.12134E-09	6.83730E-08	1.25469E-05	1.09718E-07	9.98746E-07	3.90191E-05					
71	2.81889E-08	1.38707E-06	3.06050E-09	3.41846E-08	6.27314E-06	5.48564E-08	4.99346E-07	1.95085E-05					
72	0.	0.	0.	0.	0.	0.	0.	0.					

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXV. (Continued)

(photons/cm ³ sec)									
0 DISTRIBUTED SOURCE - G=GROUP NO. N= 8									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	9.38441E-04	1.14688E-03	6.44021E-04	1.81168E-03	7.01617E-03	2.17473E-07	2.11380E-04	6.05728E-03	
2	9.37942E-04	1.14628E-03	6.43687E-04	1.81072E-03	7.01245E-03	2.17473E-07	2.11272E-04	6.05406E-03	
3	9.37438E-04	1.14566E-03	6.43348E-04	1.80974E-03	7.00868E-03	2.17473E-07	2.11162E-04	6.05080E-03	
4	9.36928E-04	1.14504E-03	6.43007E-04	1.80876E-03	7.00486E-03	2.17473E-07	2.11052E-04	6.04750E-03	
5	9.36412E-04	1.14441E-03	6.42661E-04	1.80776E-03	7.00102E-03	2.17473E-07	2.10940E-04	6.04417E-03	
6	9.35891E-04	1.14378E-03	6.42311E-04	1.80676E-03	6.99712E-03	2.17473E-07	2.10827E-04	6.04080E-03	
7	9.35363E-04	1.14314E-03	6.41959E-04	1.80574E-03	6.99319E-03	2.17473E-07	2.10713E-04	6.03740E-03	
8	9.34831E-04	1.14249E-03	6.41601E-04	1.80471E-03	6.98921E-03	2.17473E-07	2.10598E-04	6.03396E-03	
9	9.34292E-04	1.14183E-03	6.41239E-04	1.80367E-03	6.98518E-03	2.17473E-07	2.10481E-04	6.03047E-03	
10	9.33746E-04	1.14117E-03	6.40874E-04	1.80262E-03	6.98110E-03	2.17473E-07	2.10363E-04	6.02695E-03	
11	9.33195E-04	1.14050E-03	6.40504E-04	1.80155E-03	6.97698E-03	2.17473E-07	2.10244E-04	6.02339E-03	
12	9.32638E-04	1.13982E-03	6.40131E-04	1.80048E-03	6.97283E-03	2.17473E-07	2.10123E-04	6.01979E-03	
13	9.32075E-04	1.13913E-03	6.39753E-04	1.79939E-03	6.96861E-03	2.17473E-07	2.10001E-04	6.01615E-03	
14	9.31506E-04	1.13844E-03	6.39371E-04	1.79829E-03	6.96437E-03	2.17473E-07	2.09878E-04	6.01247E-03	
15	9.30929E-04	1.13774E-03	6.38985E-04	1.79718E-03	6.96006E-03	2.17473E-07	2.09753E-04	6.00875E-03	
16	9.30347E-04	1.13703E-03	6.38595E-04	1.79605E-03	6.95571E-03	2.17473E-07	2.09627E-04	6.00498E-03	
17	9.29758E-04	1.13631E-03	6.38200E-04	1.79492E-03	6.95131E-03	2.17473E-07	2.09500E-04	6.00118E-03	
18	9.29162E-04	1.13559E-03	6.37800E-04	1.79377E-03	6.94687E-03	2.17473E-07	2.09371E-04	5.99733E-03	
19	9.28560E-04	1.13486E-03	6.37397E-04	1.79261E-03	6.94237E-03	2.17473E-07	2.09240E-04	5.99344E-03	
20	9.27955E-04	1.13412E-03	6.36991E-04	1.79144E-03	6.93785E-03	2.17473E-07	2.09109E-04	5.98953E-03	
21	9.27335E-04	1.13336E-03	6.36576E-04	1.79024E-03	6.93322E-03	2.17473E-07	2.08975E-04	5.98553E-03	
22	9.26713E-04	1.13261E-03	6.36158E-04	1.78904E-03	6.92857E-03	2.17473E-07	2.08840E-04	5.98151E-03	
23	9.26084E-04	1.13184E-03	6.35737E-04	1.78782E-03	6.92387E-03	2.17473E-07	2.08704E-04	5.97744E-03	
24	9.25448E-04	1.13107E-03	6.35310E-04	1.78660E-03	6.91912E-03	2.17473E-07	2.08566E-04	5.97333E-03	
25	9.24804E-04	1.13028E-03	6.34879E-04	1.78535E-03	6.91431E-03	2.17473E-07	2.08427E-04	5.96917E-03	
26	9.24153E-04	1.12949E-03	6.34442E-04	1.78410E-03	6.90944E-03	2.17473E-07	2.08286E-04	5.96497E-03	
27	9.23495E-04	1.12869E-03	6.34001E-04	1.78283E-03	6.90452E-03	2.17473E-07	2.08144E-04	5.96072E-03	
28	9.22830E-04	1.12788E-03	6.33555E-04	1.78154E-03	6.89957E-03	2.17473E-07	2.08000E-04	5.95642E-03	
29	9.22157E-04	1.12706E-03	6.33104E-04	1.78024E-03	6.89454E-03	2.17473E-07	2.07854E-04	5.95207E-03	
30	9.21477E-04	1.12623E-03	6.32648E-04	1.77893E-03	6.88946E-03	2.17473E-07	2.07707E-04	5.94768E-03	
31	9.20789E-04	1.12540E-03	6.32187E-04	1.77760E-03	6.88433E-03	2.17473E-07	2.07558E-04	5.94324E-03	
32	9.20094E-04	1.12455E-03	6.31720E-04	1.77626E-03	6.87912E-03	2.17473E-07	2.07407E-04	5.93874E-03	
33	9.19390E-04	1.12369E-03	6.31249E-04	1.77490E-03	6.87388E-03	2.17473E-07	2.07255E-04	5.93420E-03	
34	9.18680E-04	1.12283E-03	6.30772E-04	1.77353E-03	6.86856E-03	2.17473E-07	2.07101E-04	5.92960E-03	
35	9.17961E-04	1.12195E-03	6.30290E-04	1.77214E-03	6.86320E-03	2.17473E-07	2.06945E-04	5.92496E-03	
36	9.17233E-04	1.12107E-03	6.29803E-04	1.77074E-03	6.85776E-03	2.17473E-07	2.06788E-04	5.92026E-03	
37	9.16498E-04	1.12017E-03	6.29310E-04	1.76932E-03	6.85227E-03	2.17473E-07	2.06629E-04	5.91551E-03	
38	9.15755E-04	1.11927E-03	6.28812E-04	1.76789E-03	6.84671E-03	2.17473E-07	2.06468E-04	5.91071E-03	
39	9.15003E-04	1.11835E-03	6.28308E-04	1.76643E-03	6.84110E-03	2.17473E-07	2.06305E-04	5.90585E-03	
40	9.14244E-04	1.11743E-03	6.27798E-04	1.76497E-03	6.83543E-03	2.17473E-07	2.06141E-04	5.90095E-03	

TABLE XXV. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO.								
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	9.13476E-04	1.11649E-03	6.27283E-04	1.76348E-03	6.82969E-03	2.17473E-07	2.05974E-04	5.89598E-03
42	9.12698E-04	1.11555E-03	6.26762E-04	1.76198E-03	6.82389E-03	2.17473E-07	2.05806E-04	5.89096E-03
43	9.11913E-04	1.11459E-03	6.26236E-04	1.76047E-03	6.81802E-03	2.17473E-07	2.05636E-04	5.88589E-03
44	9.11118E-04	1.11362E-03	6.25703E-04	1.75893E-03	6.81208E-03	2.17473E-07	2.05464E-04	5.88075E-03
45	9.10315E-04	1.11264E-03	6.25164E-04	1.75738E-03	6.80608E-03	2.17473E-07	2.05290E-04	5.87556E-03
46	9.09503E-04	1.11166E-03	6.24620E-04	1.75582E-03	6.80001E-03	2.17473E-07	2.05114E-04	5.87032E-03
47	9.08682E-04	1.11066E-03	6.24069E-04	1.75423E-03	6.79389E-03	2.17473E-07	2.04936E-04	5.86501E-03
48	9.07852E-04	1.10964E-03	6.23513E-04	1.75263E-03	6.78768E-03	2.17473E-07	2.04756E-04	5.85965E-03
49	9.07012E-04	1.10862E-03	6.22950E-04	1.75101E-03	6.78141E-03	2.17473E-07	2.04575E-04	5.85422E-03
50	9.06163E-04	1.10759E-03	6.22381E-04	1.74937E-03	6.77507E-03	2.17473E-07	2.04391E-04	5.84874E-03
51	9.05304E-04	1.10654E-03	6.21805E-04	1.74771E-03	6.76866E-03	2.17473E-07	2.04205E-04	5.84319E-03
52	9.04437E-04	1.10549E-03	6.21223E-04	1.74604E-03	6.76218E-03	2.17473E-07	2.04017E-04	5.83758E-03
53	9.03558E-04	1.10442E-03	6.20635E-04	1.74434E-03	6.75562E-03	2.17473E-07	2.03827E-04	5.83191E-03
54	9.02672E-04	1.10334E-03	6.20040E-04	1.74263E-03	6.74899E-03	2.17473E-07	2.03635E-04	5.82618E-03
55	9.01774E-04	1.10225E-03	6.19438E-04	1.74090E-03	6.74228E-03	2.17473E-07	2.03441E-04	5.82038E-03
56	9.00867E-04	1.10114E-03	6.18830E-04	1.73914E-03	6.73550E-03	2.17473E-07	2.03244E-04	5.81452E-03
57	8.99949E-04	1.10002E-03	6.18214E-04	1.73737E-03	6.72865E-03	2.17473E-07	2.03045E-04	5.80859E-03
58	8.99021E-04	1.09890E-03	6.17593E-04	1.73558E-03	6.72172E-03	2.17473E-07	2.02845E-04	5.80260E-03
59	8.98084E-04	1.09775E-03	6.16963E-04	1.73377E-03	6.71472E-03	2.17473E-07	2.02641E-04	5.79654E-03
60	8.97135E-04	1.09660E-03	6.16328E-04	1.73194E-03	6.70763E-03	2.17473E-07	2.02436E-04	5.79041E-03
61	8.96176E-04	1.09543E-03	6.15685E-04	1.73009E-03	6.70047E-03	2.17473E-07	2.02228E-04	5.78421E-03
62	8.95206E-04	1.09425E-03	6.15034E-04	1.72822E-03	6.69323E-03	2.17473E-07	2.02018E-04	5.77795E-03
63	8.94226E-04	1.09306E-03	6.14377E-04	1.72632E-03	6.68591E-03	2.17473E-07	2.01806E-04	5.77161E-03
64	8.93234E-04	1.09185E-03	6.13712E-04	1.72441E-03	6.67850E-03	2.17473E-07	2.01591E-04	5.76521E-03
65	8.92232E-04	1.09063E-03	6.13041E-04	1.72248E-03	6.67100E-03	2.17473E-07	2.01374E-04	5.75873E-03
66	8.91218E-04	1.08940E-03	6.12361E-04	1.72052E-03	6.66343E-03	2.17473E-07	2.01155E-04	5.75218E-03
67	5.14809E-06	6.26723E-06	3.45145E-06	9.93804E-06	3.84539E-05	0.	1.11467E-06	3.32611E-05
68	4.11768E-06	5.01283E-06	2.76064E-06	7.94891E-06	3.07573E-05	0.	8.91568E-07	2.66038E-05
69	3.08785E-06	3.75912E-06	2.07021E-06	5.96090E-06	2.30649E-05	0.	6.68587E-07	1.99502E-05
70	2.05835E-06	2.50581E-06	1.37998E-06	3.97350E-06	1.53749E-05	0.	4.45676E-07	1.32587E-05
71	1.02911E-06	1.25283E-06	6.89955E-07	1.98665E-06	7.68705E-06	0.	2.22826E-07	6.64899E-06
72	0.	0.	0.	0.	0.	0.	0.	0.

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXV. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 16

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	4.98876E-04	1.38567E-02	6.50581E-04	5.47111E-04	4.00972E-05	3.12051E-04	2.67713E-03	0.
2	4.98620E-04	1.38493E-02	6.50244E-04	5.47095E-04	4.00824E-05	3.11885E-04	2.67574E-03	0.
3	4.98361E-04	1.38418E-02	6.49904E-04	5.47078E-04	4.00673E-05	3.11717E-04	2.67434E-03	0.
4	4.98100E-04	1.38343E-02	6.49560E-04	5.47062E-04	4.00521E-05	3.11547E-04	2.67292E-03	0.
5	4.97835E-04	1.38267E-02	6.49212E-04	5.47045E-04	4.00367E-05	3.11375E-04	2.67149E-03	0.
6	4.97568E-04	1.38190E-02	6.48860E-04	5.47028E-04	4.00212E-05	3.11202E-04	2.67003E-03	0.
7	4.97297E-04	1.38112E-02	6.48504E-04	5.47011E-04	4.00055E-05	3.11026E-04	2.66857E-03	0.
8	4.97024E-04	1.38033E-02	6.48145E-04	5.46993E-04	3.99896E-05	3.10849E-04	2.66708E-03	0.
9	4.96747E-04	1.37953E-02	6.47781E-04	5.46976E-04	3.99735E-05	3.10669E-04	2.66558E-03	0.
10	4.96467E-04	1.37873E-02	6.47413E-04	5.46958E-04	3.99572E-05	3.10487E-04	2.66407E-03	0.
11	4.96185E-04	1.37791E-02	6.47041E-04	5.46940E-04	3.99408E-05	3.10304E-04	2.66253E-03	0.
12	4.95899E-04	1.37709E-02	6.46665E-04	5.46922E-04	3.99242E-05	3.10118E-04	2.66098E-03	0.
13	4.95610E-04	1.37626E-02	6.46285E-04	5.46903E-04	3.99074E-05	3.09931E-04	2.65942E-03	0.
14	4.95318E-04	1.37542E-02	6.45901E-04	5.46885E-04	3.98904E-05	3.09741E-04	2.65783E-03	0.
15	4.95022E-04	1.37456E-02	6.45512E-04	5.46866E-04	3.98732E-05	3.09549E-04	2.65623E-03	0.
16	4.94723E-04	1.37370E-02	6.45119E-04	5.46847E-04	3.98558E-05	3.09355E-04	2.65461E-03	0.
17	4.94421E-04	1.37283E-02	6.44721E-04	5.46828E-04	3.98383E-05	3.09159E-04	2.65297E-03	0.
18	4.94116E-04	1.37195E-02	6.44320E-04	5.46808E-04	3.98205E-05	3.08961E-04	2.65131E-03	0.
19	4.93807E-04	1.37106E-02	6.43914E-04	5.46789E-04	3.98025E-05	3.08760E-04	2.64964E-03	0.
20	4.93496E-04	1.37017E-02	6.43505E-04	5.46769E-04	3.97845E-05	3.08559E-04	2.64795E-03	0.
21	4.93178E-04	1.36925E-02	6.43087E-04	5.46749E-04	3.97660E-05	3.08352E-04	2.64623E-03	0.
22	4.92859E-04	1.36833E-02	6.42667E-04	5.46729E-04	3.97474E-05	3.08145E-04	2.64450E-03	0.
23	4.92536E-04	1.36740E-02	6.42242E-04	5.46708E-04	3.97287E-05	3.07935E-04	2.64275E-03	0.
24	4.92210E-04	1.36646E-02	6.41813E-04	5.46687E-04	3.97097E-05	3.07723E-04	2.64098E-03	0.
25	4.91879E-04	1.36551E-02	6.41379E-04	5.46666E-04	3.96905E-05	3.07509E-04	2.63918E-03	0.
26	4.91546E-04	1.36455E-02	6.40939E-04	5.46645E-04	3.96711E-05	3.07292E-04	2.63737E-03	0.
27	4.91208E-04	1.36357E-02	6.40495E-04	5.46624E-04	3.96515E-05	3.07073E-04	2.63554E-03	0.
28	4.90867E-04	1.36259E-02	6.40047E-04	5.46602E-04	3.96316E-05	3.06852E-04	2.63369E-03	0.
29	4.90521E-04	1.36160E-02	6.39592E-04	5.46580E-04	3.96115E-05	3.06628E-04	2.63182E-03	0.
30	4.90173E-04	1.36059E-02	6.39134E-04	5.46558E-04	3.95913E-05	3.06401E-04	2.62993E-03	0.
31	4.89820E-04	1.35957E-02	6.38670E-04	5.46536E-04	3.95708E-05	3.06172E-04	2.62801E-03	0.
32	4.89463E-04	1.35855E-02	6.38200E-04	5.46513E-04	3.95500E-05	3.05940E-04	2.62608E-03	0.
33	4.89102E-04	1.35751E-02	6.37726E-04	5.46490E-04	3.95290E-05	3.05706E-04	2.62412E-03	0.
34	4.88737E-04	1.35646E-02	6.37246E-04	5.46467E-04	3.95078E-05	3.05469E-04	2.62214E-03	0.
35	4.88369E-04	1.35539E-02	6.36761E-04	5.46443E-04	3.94864E-05	3.05230E-04	2.62014E-03	0.
36	4.87995E-04	1.35432E-02	6.36270E-04	5.46420E-04	3.94647E-05	3.04988E-04	2.61812E-03	0.
37	4.87618E-04	1.35323E-02	6.35774E-04	5.46396E-04	3.94428E-05	3.04743E-04	2.61607E-03	0.
38	4.87237E-04	1.35213E-02	6.35273E-04	5.46371E-04	3.94206E-05	3.04496E-04	2.61401E-03	0.
39	4.86852E-04	1.35102E-02	6.34765E-04	5.46347E-04	3.93982E-05	3.04245E-04	2.61191E-03	0.
40	4.86462E-04	1.34990E-02	6.34253E-04	5.46322E-04	3.93755E-05	3.03992E-04	2.60980E-03	0.

TABLE XXV. (Continued)

(photons/cm ³ sec)								
0 DISTRIBUTED SOURCE - G=GROUP NO.								
N= 16								
0 INT	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	4.86068E-04	1.34876E-02	6.33734E-04	5.46297E-04	3.93526E-05	3.03736E-04	2.60766E-03	0.
42	4.85669E-04	1.34761E-02	6.33210E-04	5.46272E-04	3.93294E-05	3.03477E-04	2.60550E-03	0.
43	4.85266E-04	1.34645E-02	6.32680E-04	5.46246E-04	3.93060E-05	3.03216E-04	2.60331E-03	0.
44	4.84858E-04	1.34528E-02	6.32144E-04	5.46220E-04	3.92823E-05	3.02951E-04	2.60110E-03	0.
45	4.84446E-04	1.34409E-02	6.31602E-04	5.46194E-04	3.92584E-05	3.02694E-04	2.59887E-03	0.
46	4.84030E-04	1.34289E-02	6.31054E-04	5.46168E-04	3.92341E-05	3.02413E-04	2.59661E-03	0.
47	4.83608E-04	1.34168E-02	6.30500E-04	5.46141E-04	3.92097E-05	3.02140E-04	2.59432E-03	0.
48	4.83182E-04	1.34045E-02	6.29939E-04	5.46114E-04	3.91849E-05	3.01863E-04	2.59201E-03	0.
49	4.82751E-04	1.33921E-02	6.29373E-04	5.46086E-04	3.91598E-05	3.01584E-04	2.58968E-03	0.
50	4.82316E-04	1.33795E-02	6.28800E-04	5.46059E-04	3.91345E-05	3.01301E-04	2.58731E-03	0.
51	4.81875E-04	1.33668E-02	6.28221E-04	5.46031E-04	3.91089E-05	3.01015E-04	2.58492E-03	0.
52	4.81430E-04	1.33540E-02	6.27635E-04	5.46003E-04	3.90830E-05	3.00726E-04	2.58251E-03	0.
53	4.80980E-04	1.33410E-02	6.27042E-04	5.45974E-04	3.90568E-05	3.00434E-04	2.58007E-03	0.
54	4.80525E-04	1.33279E-02	6.26444E-04	5.45945E-04	3.90304E-05	3.00138E-04	2.57760E-03	0.
55	4.80064E-04	1.33146E-02	6.25838E-04	5.45916E-04	3.90036E-05	2.99839E-04	2.57510E-03	0.
56	4.79599E-04	1.33012E-02	6.25225E-04	5.45886E-04	3.89755E-05	2.99537E-04	2.57258E-03	0.
57	4.79128E-04	1.32877E-02	6.24607E-04	5.45856E-04	3.89492E-05	2.99231E-04	2.57002E-03	0.
58	4.78652E-04	1.32740E-02	6.23981E-04	5.45826E-04	3.89215E-05	2.98922E-04	2.56744E-03	0.
59	4.78171E-04	1.32601E-02	6.23347E-04	5.45795E-04	3.88935E-05	2.98610E-04	2.56483E-03	0.
60	4.77684E-04	1.32461E-02	6.22708E-04	5.45764E-04	3.88653E-05	2.98294E-04	2.56219E-03	0.
61	4.77192E-04	1.32319E-02	6.22061E-04	5.45733E-04	3.88366E-05	2.97975E-04	2.55952E-03	0.
62	4.76695E-04	1.32176E-02	6.21406E-04	5.45702E-04	3.88077E-05	2.97652E-04	2.55682E-03	0.
63	4.76192E-04	1.32031E-02	6.20745E-04	5.45670E-04	3.87785E-05	2.97325E-04	2.55410E-03	0.
64	4.75683E-04	1.31884E-02	6.20076E-04	5.45637E-04	3.87489E-05	2.96995E-04	2.55134E-03	0.
65	4.75169E-04	1.31736E-02	6.19399E-04	5.45605E-04	3.87190E-05	2.96661E-04	2.54855E-03	0.
66	4.74649E-04	1.31586E-02	6.18715E-04	5.45572E-04	3.86888E-05	2.96324E-04	2.54573E-03	0.
67	2.64119E-06	7.61021E-05	3.47388E-06	1.67822E-07	1.53547E-07	1.71454E-06	1.43251E-05	0.
68	2.11255E-06	6.08701E-05	2.77857E-06	1.34231E-07	1.22814E-07	1.37136E-06	1.14579E-05	0.
69	1.58421E-06	4.56465E-05	2.08366E-06	1.00660E-07	9.20986E-08	1.02839E-06	8.59229E-06	0.
70	1.05602E-06	3.04277E-05	1.38895E-06	6.70996E-08	6.13924E-08	6.85519E-07	5.72757E-06	0.
71	5.27982E-07	1.52130E-05	6.94438E-07	3.35479E-08	3.06945E-08	3.42741E-07	2.86353E-06	0.
72	0.	0.	0.	0.	0.	0.	0.	0.
INT. 73 THRU INT. 168 SAME AS ABOVE								

TABLE XXV. (Continued)

(photons/cm³ sec)

Ø DISTRIBUTED SOURCE - G=GROUP NO. N= 24

Ø INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.12457E-03	1.19273E-03	4.20739E-03	2.50423E-04	4.96608E-05	1.02977E-03	1.01206E-06	3.76547E-02
2	2.12358E-03	1.19211E-03	4.20525E-03	2.50327E-04	4.96344E-05	1.02928E-03	1.01206E-06	3.76347E-02
3	2.12259E-03	1.19149E-03	4.20309E-03	2.50231E-04	4.96077E-05	1.02877E-03	1.01206E-06	3.76144E-02
4	2.12158E-03	1.19086E-03	4.20091E-03	2.50134E-04	4.95806E-05	1.02827E-03	1.01206E-06	3.75939E-02
5	2.12056E-03	1.19023E-03	4.19871E-03	2.50035E-04	4.95534E-05	1.02776E-03	1.01206E-06	3.75732E-02
6	2.11953E-03	1.18959E-03	4.19648E-03	2.49935E-04	4.95257E-05	1.02724E-03	1.01206E-06	3.75523E-02
7	2.11849E-03	1.18894E-03	4.19422E-03	2.49834E-04	4.94978E-05	1.02671E-03	1.01206E-06	3.75311E-02
8	2.11744E-03	1.18828E-03	4.19194E-03	2.49732E-04	4.94696E-05	1.02618E-03	1.01206E-06	3.75097E-02
9	2.11637E-03	1.18762E-03	4.18963E-03	2.49629E-04	4.94410E-05	1.02565E-03	1.01206E-06	3.74880E-02
10	2.11530E-03	1.18694E-03	4.18730E-03	2.49525E-04	4.94122E-05	1.02511E-03	1.01206E-06	3.74661E-02
11	2.11421E-03	1.18626E-03	4.18495E-03	2.49419E-04	4.93830E-05	1.02456E-03	1.01206E-06	3.74440E-02
12	2.11311E-03	1.18558E-03	4.18256E-03	2.49313E-04	4.93535E-05	1.02400E-03	1.01206E-06	3.74216E-02
13	2.11200E-03	1.18488E-03	4.18015E-03	2.49205E-04	4.93237E-05	1.02344E-03	1.01206E-06	3.73990E-02
14	2.11087E-03	1.18418E-03	4.17771E-03	2.49096E-04	4.92935E-05	1.02288E-03	1.01206E-06	3.73761E-02
15	2.10973E-03	1.18347E-03	4.17525E-03	2.48986E-04	4.92630E-05	1.02231E-03	1.01206E-06	3.73530E-02
16	2.10858E-03	1.18275E-03	4.17276E-03	2.48874E-04	4.92321E-05	1.02173E-03	1.01206E-06	3.73295E-02
17	2.10742E-03	1.18203E-03	4.17024E-03	2.48762E-04	4.92010E-05	1.02114E-03	1.01206E-06	3.73059E-02
18	2.10624E-03	1.18129E-03	4.16769E-03	2.48648E-04	4.91694E-05	1.02055E-03	1.01206E-06	3.72820E-02
19	2.10506E-03	1.18055E-03	4.16511E-03	2.48533E-04	4.91375E-05	1.01995E-03	1.01206E-06	3.72578E-02
20	2.10386E-03	1.17981E-03	4.16252E-03	2.48417E-04	4.91055E-05	1.01935E-03	1.01206E-06	3.72335E-02
21	2.10264E-03	1.17904E-03	4.15987E-03	2.48298E-04	4.90727E-05	1.01873E-03	1.01206E-06	3.72086E-02
22	2.10141E-03	1.17829E-03	4.15721E-03	2.48179E-04	4.90397E-05	1.01812E-03	1.01206E-06	3.71836E-02
23	2.10016E-03	1.17750E-03	4.15452E-03	2.48059E-04	4.90064E-05	1.01749E-03	1.01206E-06	3.71583E-02
24	2.09891E-03	1.17672E-03	4.15180E-03	2.47937E-04	4.89727E-05	1.01686E-03	1.01206E-06	3.71327E-02
25	2.09764E-03	1.17592E-03	4.14904E-03	2.47814E-04	4.89386E-05	1.01622E-03	1.01206E-06	3.71069E-02
26	2.09635E-03	1.17512E-03	4.14626E-03	2.47689E-04	4.89041E-05	1.01557E-03	1.01206E-06	3.70807E-02
27	2.09505E-03	1.17431E-03	4.14344E-03	2.47564E-04	4.88693E-05	1.01492E-03	1.01206E-06	3.70543E-02
28	2.09374E-03	1.17349E-03	4.14060E-03	2.47436E-04	4.88341E-05	1.01426E-03	1.01206E-06	3.70276E-02
29	2.09241E-03	1.17266E-03	4.13772E-03	2.47308E-04	4.87984E-05	1.01359E-03	1.01206E-06	3.70005E-02
30	2.09107E-03	1.17183E-03	4.13481E-03	2.47178E-04	4.87624E-05	1.01291E-03	1.01206E-06	3.69732E-02
31	2.08971E-03	1.17098E-03	4.13187E-03	2.47046E-04	4.87260E-05	1.01223E-03	1.01206E-06	3.69456E-02
32	2.08833E-03	1.17012E-03	4.12889E-03	2.46913E-04	4.86892E-05	1.01154E-03	1.01206E-06	3.69176E-02
33	2.08695E-03	1.16925E-03	4.12588E-03	2.46778E-04	4.86513E-05	1.01084E-03	1.01206E-06	3.68894E-02
34	2.08554E-03	1.16838E-03	4.12284E-03	2.46642E-04	4.86143E-05	1.01013E-03	1.01206E-06	3.68608E-02
35	2.08412E-03	1.16749E-03	4.11976E-03	2.46505E-04	4.85762E-05	1.00942E-03	1.01206E-06	3.68319E-02
36	2.08269E-03	1.16660E-03	4.11665E-03	2.46366E-04	4.85377E-05	1.00869E-03	1.01206E-06	3.68027E-02
37	2.08123E-03	1.16569E-03	4.11351E-03	2.46225E-04	4.84988E-05	1.00796E-03	1.01206E-06	3.67732E-02
38	2.07977E-03	1.16478E-03	4.11033E-03	2.46083E-04	4.84594E-05	1.00723E-03	1.01206E-06	3.67434E-02
39	2.07828E-03	1.16385E-03	4.10711E-03	2.45939E-04	4.84196E-05	1.00648E-03	1.01206E-06	3.67131E-02
40	2.07678E-03	1.16291E-03	4.10386E-03	2.45794E-04	4.83794E-05	1.00572E-03	1.01206E-06	3.66826E-02

TABLE XXV. (Continued)

(photons/cm³ sec)

3 DISTRIBUTED SOURCE - G=GROUP NO. N= 24

0 INT	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	2.07526E-03	1.16197E-03	4.10057E-03	2.45647E-04	4.83387E-05	1.00496E-03	1.01206E-06	3.66518E-02
42	2.07373E-03	1.16101E-03	4.09725E-03	2.45496E-04	4.82975E-05	1.00419E-03	1.01206E-06	3.66205E-02
43	2.07218E-03	1.16004E-03	4.09389E-03	2.45348E-04	4.82559E-05	1.00341E-03	1.01206E-06	3.65890E-02
44	2.07061E-03	1.15906E-03	4.09049E-03	2.45196E-04	4.82139E-05	1.00262E-03	1.01206E-06	3.65571E-02
45	2.06902E-03	1.15807E-03	4.08706E-03	2.45042E-04	4.81713E-05	1.00182E-03	1.01206E-06	3.65248E-02
46	2.06742E-03	1.15707E-03	4.08358E-03	2.44887E-04	4.81283E-05	1.00101E-03	1.01206E-06	3.64922E-02
47	2.06580E-03	1.15606E-03	4.08007E-03	2.44730E-04	4.80849E-05	1.00020E-03	1.01206E-06	3.64592E-02
48	2.06418E-03	1.15504E-03	4.07652E-03	2.44571E-04	4.80409E-05	9.99374E-04	1.01206E-06	3.64258E-02
49	2.06250E-03	1.15400E-03	4.07292E-03	2.44410E-04	4.79964E-05	9.98538E-04	1.01206E-06	3.63921E-02
50	2.06082E-03	1.15296E-03	4.06929E-03	2.44249E-04	4.79515E-05	9.97696E-04	1.01206E-06	3.63580E-02
51	2.05913E-03	1.15190E-03	4.06562E-03	2.44084E-04	4.79060E-05	9.96842E-04	1.01206E-06	3.63235E-02
52	2.05741E-03	1.15083E-03	4.06191E-03	2.43918E-04	4.78600E-05	9.95979E-04	1.01206E-06	3.62886E-02
53	2.05568E-03	1.14975E-03	4.05815E-03	2.43750E-04	4.78135E-05	9.95107E-04	1.01206E-06	3.62534E-02
54	2.05393E-03	1.14865E-03	4.05436E-03	2.43580E-04	4.77665E-05	9.94225E-04	1.01206E-06	3.62177E-02
55	2.05215E-03	1.14755E-03	4.05051E-03	2.43408E-04	4.77190E-05	9.93334E-04	1.01206E-06	3.61817E-02
56	2.05036E-03	1.14643E-03	4.04663E-03	2.43235E-04	4.76710E-05	9.92432E-04	1.01206E-06	3.61452E-02
57	2.04855E-03	1.14530E-03	4.04271E-03	2.43059E-04	4.76224E-05	9.91520E-04	1.01206E-06	3.61083E-02
58	2.04672E-03	1.14416E-03	4.03874E-03	2.42882E-04	4.75733E-05	9.90598E-04	1.01206E-06	3.60711E-02
59	2.04486E-03	1.14300E-03	4.03473E-03	2.42702E-04	4.75236E-05	9.89666E-04	1.01206E-06	3.60334E-02
60	2.04299E-03	1.14183E-03	4.03067E-03	2.42521E-04	4.74734E-05	9.88723E-04	1.01206E-06	3.59953E-02
61	2.04110E-03	1.14065E-03	4.02656E-03	2.42337E-04	4.74226E-05	9.87770E-04	1.01206E-06	3.59568E-02
62	2.03918E-03	1.13946E-03	4.02241E-03	2.42152E-04	4.73712E-05	9.86807E-04	1.01206E-06	3.59178E-02
63	2.03725E-03	1.13825E-03	4.01822E-03	2.41964E-04	4.73193E-05	9.85832E-04	1.01206E-06	3.58784E-02
64	2.03529E-03	1.13703E-03	4.01398E-03	2.41775E-04	4.72668E-05	9.84846E-04	1.01206E-06	3.58386E-02
65	2.03331E-03	1.13579E-03	4.00969E-03	2.41583E-04	4.72137E-05	9.83851E-04	1.01206E-06	3.57983E-02
66	2.03131E-03	1.13454E-03	4.00535E-03	2.41389E-04	4.71600E-05	9.82842E-04	1.01206E-06	3.57576E-02
67	1.01673E-05	6.34334E-06	2.20249E-05	9.84851E-07	2.72625E-07	5.11635E-06	0.	2.06819E-04
68	8.13235E-06	5.07370E-06	1.76165E-05	7.87730E-07	2.18059E-07	4.09230E-06	0.	1.65423E-04
69	6.09845E-06	3.80477E-06	1.32106E-05	5.90720E-07	1.63522E-07	3.06882E-06	0.	1.24051E-04
70	4.06520E-06	2.53624E-06	8.80614E-06	3.93770E-07	1.09002E-07	2.04566E-06	0.	8.26918E-05
71	2.03249E-06	1.26805E-06	4.40283E-06	1.96875E-07	5.44985E-08	1.02277E-06	0.	4.13436E-05
72	0.	0.	0.	0.	0.	0.	0.	0.

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXV. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 32

INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	4.67378E-04	4.37473E-04	1.84544E-04	1.23391E-03	7.01762E-04	3.03409E-02	1.42009E-04	1.40938E-03
2	4.67182E-04	4.37256E-04	1.84447E-04	1.23332E-03	7.01512E-04	3.03252E-02	1.41992E-04	1.40914E-03
3	4.66984E-04	4.37036E-04	1.84349E-04	1.23272E-03	7.01260E-04	3.03093E-02	1.41975E-04	1.40899E-03
4	4.66783E-04	4.36814E-04	1.84250E-04	1.23211E-03	7.01005E-04	3.02932E-02	1.41957E-04	1.40864E-03
5	4.66580E-04	4.36599E-04	1.84150E-04	1.23150E-03	7.00747E-04	3.02769E-02	1.41940E-04	1.40838E-03
6	4.66376E-04	4.36362E-04	1.84049E-04	1.23088E-03	7.00486E-04	3.02605E-02	1.41922E-04	1.40813E-03
7	4.66169E-04	4.36133E-04	1.83946E-04	1.23026E-03	7.00222E-04	3.02439E-02	1.41904E-04	1.40787E-03
8	4.65959E-04	4.35901E-04	1.83843E-04	1.22962E-03	6.99956E-04	3.02271E-02	1.41886E-04	1.40760E-03
9	4.65747E-04	4.35666E-04	1.83738E-04	1.22898E-03	6.99686E-04	3.02101E-02	1.41867E-04	1.40734E-03
10	4.65533E-04	4.35428E-04	1.83632E-04	1.22833E-03	6.99414E-04	3.01929E-02	1.41849E-04	1.40707E-03
11	4.65317E-04	4.35188E-04	1.83525E-04	1.22768E-03	6.99138E-04	3.01756E-02	1.41830E-04	1.40680E-03
12	4.65098E-04	4.34945E-04	1.83417E-04	1.22702E-03	6.98859E-04	3.01580E-02	1.41811E-04	1.40652E-03
13	4.64876E-04	4.34700E-04	1.83308E-04	1.22635E-03	6.98577E-04	3.01403E-02	1.41792E-04	1.40624E-03
14	4.64653E-04	4.34452E-04	1.83197E-04	1.22567E-03	6.98293E-04	3.01223E-02	1.41772E-04	1.40596E-03
15	4.64427E-04	4.34201E-04	1.83085E-04	1.22499E-03	6.98004E-04	3.01042E-02	1.41752E-04	1.40568E-03
16	4.64198E-04	4.33947E-04	1.82972E-04	1.22429E-03	6.97713E-04	3.00859E-02	1.41732E-04	1.40539E-03
17	4.63966E-04	4.33690E-04	1.82858E-04	1.22359E-03	6.97418E-04	3.00673E-02	1.41712E-04	1.40510E-03
18	4.63732E-04	4.33431E-04	1.82742E-04	1.22289E-03	6.97120E-04	3.00485E-02	1.41692E-04	1.40481E-03
19	4.63496E-04	4.33169E-04	1.82625E-04	1.22217E-03	6.96819E-04	3.00295E-02	1.41671E-04	1.40451E-03
20	4.63258E-04	4.32905E-04	1.82508E-04	1.22145E-03	6.96517E-04	3.00104E-02	1.41651E-04	1.40421E-03
21	4.63014E-04	4.32635E-04	1.82387E-04	1.22071E-03	6.96207E-04	2.99909E-02	1.41630E-04	1.40391E-03
22	4.62770E-04	4.32364E-04	1.82267E-04	1.21998E-03	6.95895E-04	2.99713E-02	1.41608E-04	1.40360E-03
23	4.62523E-04	4.32090E-04	1.82144E-04	1.21923E-03	6.95581E-04	2.99515E-02	1.41587E-04	1.40329E-03
24	4.62273E-04	4.31813E-04	1.82021E-04	1.21847E-03	6.95262E-04	2.99314E-02	1.41565E-04	1.40298E-03
25	4.62020E-04	4.31532E-04	1.81896E-04	1.21771E-03	6.94940E-04	2.99112E-02	1.41543E-04	1.40266E-03
26	4.61764E-04	4.31249E-04	1.81769E-04	1.21693E-03	6.94615E-04	2.98906E-02	1.41521E-04	1.40234E-03
27	4.61506E-04	4.30962E-04	1.81642E-04	1.21615E-03	6.94285E-04	2.98699E-02	1.41498E-04	1.40202E-03
28	4.61244E-04	4.30672E-04	1.81513E-04	1.21536E-03	6.93953E-04	2.98489E-02	1.41476E-04	1.40169E-03
29	4.60980E-04	4.30379E-04	1.81382E-04	1.21456E-03	6.93616E-04	2.98277E-02	1.41453E-04	1.40136E-03
30	4.60713E-04	4.30083E-04	1.81250E-04	1.21375E-03	6.93276E-04	2.98063E-02	1.41429E-04	1.40102E-03
31	4.60443E-04	4.29783E-04	1.81116E-04	1.21294E-03	6.92932E-04	2.97846E-02	1.41406E-04	1.40068E-03
32	4.60170E-04	4.29480E-04	1.80981E-04	1.21211E-03	6.92584E-04	2.97627E-02	1.41382E-04	1.40034E-03
33	4.59893E-04	4.29174E-04	1.80845E-04	1.21127E-03	6.92232E-04	2.97406E-02	1.41358E-04	1.39999E-03
34	4.59614E-04	4.28864E-04	1.80707E-04	1.21043E-03	6.91877E-04	2.97182E-02	1.41334E-04	1.39964E-03
35	4.59331E-04	4.28551E-04	1.80567E-04	1.20957E-03	6.91517E-04	2.96955E-02	1.41309E-04	1.39929E-03
36	4.59045E-04	4.28234E-04	1.80426E-04	1.20871E-03	6.91153E-04	2.96726E-02	1.41284E-04	1.39893E-03
37	4.58757E-04	4.27914E-04	1.80283E-04	1.20784E-03	6.90785E-04	2.96494E-02	1.41259E-04	1.39857E-03
38	4.58465E-04	4.27590E-04	1.80139E-04	1.20695E-03	6.90414E-04	2.96260E-02	1.41234E-04	1.39820E-03
39	4.58170E-04	4.27263E-04	1.79993E-04	1.20606E-03	6.90038E-04	2.96023E-02	1.41208E-04	1.39783E-03
40	4.57871E-04	4.26932E-04	1.79845E-04	1.20516E-03	6.89658E-04	2.95784E-02	1.41182E-04	1.39746E-03

TABLE XXV. (Continued)

(photons/cm³ sec)

Ø DISTRIBUTED SOURCE - G=GROUP NO. N= 32

Ø INT	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	4.57569E-04	4.26597E-04	1.79696E-04	1.20425E-03	6.89273E-04	2.95542E-02	1.41156E-04	1.39708E-03
42	4.57264E-04	4.26258E-04	1.79545E-04	1.20332E-03	6.88885E-04	2.95297E-02	1.41129E-04	1.39669E-03
43	4.56955E-04	4.25916E-04	1.79393E-04	1.20239E-03	6.88492E-04	2.95049E-02	1.41103E-04	1.39631E-03
44	4.56643E-04	4.25570E-04	1.79238E-04	1.20144E-03	6.88094E-04	2.94799E-02	1.41075E-04	1.39592E-03
45	4.56327E-04	4.25220E-04	1.79093E-04	1.20049E-03	6.87692E-04	2.94546E-02	1.41048E-04	1.39552E-03
46	4.56009E-04	4.24867E-04	1.78925E-04	1.19952E-03	6.87289E-04	2.94290E-02	1.41020E-04	1.39512E-03
47	4.55695E-04	4.24509E-04	1.78765E-04	1.19855E-03	6.86876E-04	2.94031E-02	1.40992E-04	1.39472E-03
48	4.55360E-04	4.24147E-04	1.78604E-04	1.19756E-03	6.86460E-04	2.93769E-02	1.40964E-04	1.39431E-03
49	4.55030E-04	4.23781E-04	1.78441E-04	1.19656E-03	6.86040E-04	2.93505E-02	1.40935E-04	1.39389E-03
50	4.54696E-04	4.23411E-04	1.78276E-04	1.19556E-03	6.85616E-04	2.93237E-02	1.40906E-04	1.39347E-03
51	4.54359E-04	4.23037E-04	1.78110E-04	1.19453E-03	6.85186E-04	2.92967E-02	1.40877E-04	1.39305E-03
52	4.54018E-04	4.22659E-04	1.77941E-04	1.19350E-03	6.84752E-04	2.92693E-02	1.40847E-04	1.39262E-03
53	4.53673E-04	4.22277E-04	1.77771E-04	1.19246E-03	6.84313E-04	2.92417E-02	1.40817E-04	1.39219E-03
54	4.53325E-04	4.21890E-04	1.77598E-04	1.19141E-03	6.83869E-04	2.92137E-02	1.40787E-04	1.39175E-03
55	4.52972E-04	4.21499E-04	1.77424E-04	1.19034E-03	6.83420E-04	2.91854E-02	1.40756E-04	1.39131E-03
56	4.52616E-04	4.21104E-04	1.77248E-04	1.18926E-03	6.82966E-04	2.91568E-02	1.40725E-04	1.39086E-03
57	4.52255E-04	4.20704E-04	1.77070E-04	1.18817E-03	6.82507E-04	2.91279E-02	1.40694E-04	1.39041E-03
58	4.51890E-04	4.20300E-04	1.76890E-04	1.18707E-03	6.82043E-04	2.90987E-02	1.40662E-04	1.38995E-03
59	4.51522E-04	4.19892E-04	1.76708E-04	1.18595E-03	6.81574E-04	2.90691E-02	1.40630E-04	1.38949E-03
60	4.51149E-04	4.19478E-04	1.76523E-04	1.18483E-03	6.81099E-04	2.90393E-02	1.40598E-04	1.38902E-03
61	4.50773E-04	4.19061E-04	1.76337E-04	1.18369E-03	6.80620E-04	2.90090E-02	1.40565E-04	1.38855E-03
62	4.50392E-04	4.18638E-04	1.76149E-04	1.18253E-03	6.80135E-04	2.89735E-02	1.40532E-04	1.38807E-03
63	4.50007E-04	4.18211E-04	1.75958E-04	1.18137E-03	6.79644E-04	2.89476E-02	1.40498E-04	1.38759E-03
64	4.49617E-04	4.17779E-04	1.75766E-04	1.18019E-03	6.79148E-04	2.89163E-02	1.40464E-04	1.38710E-03
65	4.49223E-04	4.17342E-04	1.75571E-04	1.17900E-03	6.78647E-04	2.88847E-02	1.40430E-04	1.38661E-03
66	4.48825E-04	4.16901E-04	1.75374E-04	1.17780E-03	6.78140E-04	2.88529E-02	1.40395E-04	1.38611E-03
67	2.02257E-06	2.24278E-06	9.99624E-07	6.11763E-06	2.57521E-06	1.62225E-04	1.75931E-07	2.53734E-06
68	1.61774E-06	1.79388E-06	7.39546E-07	4.99317E-06	2.05978E-06	1.29755E-04	1.40717E-07	2.02948E-06
69	1.21315E-06	1.34523E-06	5.99580E-07	3.66939E-06	1.54462E-06	9.73036E-05	1.05524E-07	1.52190E-06
70	8.08679E-07	8.96723E-07	3.93677E-07	2.44600E-06	1.02954E-06	6.48621E-05	7.03417E-08	1.01449E-06
71	4.04317E-07	4.48336E-07	1.99828E-07	1.22293E-06	5.14791E-07	3.24293E-05	3.51689E-08	5.07221E-07
72	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXV. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
1	1.91895E-02	7.31795E-03	1.07664E-02	3.84200E-02	4.58031E-02
2	1.91801E-02	7.31451E-03	1.07655E-02	3.84081E-02	4.57912E-02
3	1.91705E-02	7.31103E-03	1.07647E-02	3.83961E-02	4.57791E-02
4	1.91608E-02	7.30753E-03	1.07639E-02	3.83839E-02	4.57669E-02
5	1.91511E-02	7.30398E-03	1.07630E-02	3.83716E-02	4.57548E-02
6	1.91412E-02	7.30038E-03	1.07621E-02	3.83592E-02	4.57422E-02
7	1.91312E-02	7.29674E-03	1.07613E-02	3.83466E-02	4.57296E-02
8	1.91211E-02	7.29309E-03	1.07604E-02	3.83339E-02	4.57168E-02
9	1.91108E-02	7.28936E-03	1.07595E-02	3.83210E-02	4.57040E-02
10	1.91005E-02	7.28562E-03	1.07586E-02	3.83080E-02	4.56909E-02
11	1.90901E-02	7.28182E-03	1.07577E-02	3.82949E-02	4.56778E-02
12	1.90795E-02	7.27799E-03	1.07567E-02	3.82816E-02	4.56644E-02
13	1.90688E-02	7.27409E-03	1.07558E-02	3.82681E-02	4.56510E-02
14	1.90580E-02	7.27018E-03	1.07548E-02	3.82546E-02	4.56374E-02
15	1.90471E-02	7.26622E-03	1.07539E-02	3.82409E-02	4.56236E-02
16	1.90361E-02	7.26220E-03	1.07529E-02	3.82269E-02	4.56097E-02
17	1.90249E-02	7.25815E-03	1.07519E-02	3.82128E-02	4.55956E-02
18	1.90136E-02	7.25405E-03	1.07509E-02	3.81986E-02	4.55814E-02
19	1.90022E-02	7.24990E-03	1.07499E-02	3.81843E-02	4.55670E-02
20	1.89907E-02	7.24573E-03	1.07489E-02	3.81698E-02	4.55525E-02
21	1.89790E-02	7.24147E-03	1.07479E-02	3.81550E-02	4.55377E-02
22	1.89672E-02	7.23718E-03	1.07469E-02	3.81402E-02	4.55229E-02
23	1.89552E-02	7.23284E-03	1.07458E-02	3.81252E-02	4.55078E-02
24	1.89432E-02	7.22847E-03	1.07448E-02	3.81100E-02	4.54926E-02
25	1.89310E-02	7.22403E-03	1.07437E-02	3.80946E-02	4.54772E-02
26	1.89186E-02	7.21955E-03	1.07426E-02	3.80791E-02	4.54617E-02
27	1.89062E-02	7.21502E-03	1.07415E-02	3.80634E-02	4.54460E-02
28	1.88935E-02	7.21043E-03	1.07404E-02	3.80475E-02	4.54301E-02
29	1.88808E-02	7.20580E-03	1.07393E-02	3.80315E-02	4.54140E-02
30	1.88679E-02	7.20112E-03	1.07382E-02	3.80152E-02	4.53977E-02
31	1.88549E-02	7.19637E-03	1.07370E-02	3.79988E-02	4.53813E-02
32	1.88417E-02	7.19159E-03	1.07359E-02	3.79822E-02	4.53647E-02
33	1.88283E-02	7.18674E-03	1.07347E-02	3.79655E-02	4.53479E-02
34	1.88149E-02	7.18185E-03	1.07335E-02	3.79485E-02	4.53309E-02
35	1.88012E-02	7.17689E-03	1.07323E-02	3.79313E-02	4.53137E-02
36	1.87874E-02	7.17188E-03	1.07311E-02	3.79140E-02	4.52963E-02
37	1.87735E-02	7.16683E-03	1.07299E-02	3.78965E-02	4.52788E-02
38	1.87594E-02	7.16171E-03	1.07286E-02	3.78787E-02	4.52610E-02
39	1.87452E-02	7.15652E-03	1.07274E-02	3.78608E-02	4.52431E-02
40	1.87308E-02	7.15129E-03	1.07261E-02	3.78427E-02	4.52249E-02

TABLE XXV. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40						
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	
41	1.87162E-02	7.14600E-03	1.07248E-02	3.78243E-02	4.52065E-02	
42	1.87015E-02	7.14066E-03	1.07236E-02	3.78058E-02	4.51880E-02	
43	1.86866E-02	7.13525E-03	1.07222E-02	3.77870E-02	4.51692E-02	
44	1.86715E-02	7.12978E-03	1.07209E-02	3.77681E-02	4.51502E-02	
45	1.86563E-02	7.12425E-03	1.07196E-02	3.77489E-02	4.51310E-02	
46	1.86409E-02	7.11865E-03	1.07182E-02	3.77295E-02	4.51116E-02	
47	1.86253E-02	7.11299E-03	1.07169E-02	3.77099E-02	4.50920E-02	
48	1.86096E-02	7.10728E-03	1.07155E-02	3.76901E-02	4.50722E-02	
49	1.85936E-02	7.10149E-03	1.07141E-02	3.76701E-02	4.50521E-02	
50	1.85776E-02	7.09565E-03	1.07127E-02	3.76498E-02	4.50318E-02	
51	1.85613E-02	7.08973E-03	1.07113E-02	3.76293E-02	4.50113E-02	
52	1.85443E-02	7.08375E-03	1.07098E-02	3.76086E-02	4.49906E-02	
53	1.85282E-02	7.07771E-03	1.07084E-02	3.75877E-02	4.49696E-02	
54	1.85114E-02	7.07160E-03	1.07069E-02	3.75665E-02	4.49484E-02	
55	1.84943E-02	7.06542E-03	1.07054E-02	3.75451E-02	4.49269E-02	
56	1.84771E-02	7.05918E-03	1.07039E-02	3.75235E-02	4.49053E-02	
57	1.84597E-02	7.05286E-03	1.07023E-02	3.75016E-02	4.48833E-02	
58	1.84422E-02	7.04646E-03	1.07008E-02	3.74794E-02	4.48612E-02	
59	1.84244E-02	7.04001E-03	1.06992E-02	3.74570E-02	4.48388E-02	
60	1.84064E-02	7.03347E-03	1.06977E-02	3.74344E-02	4.48161E-02	
61	1.83882E-02	7.02687E-03	1.06961E-02	3.74115E-02	4.47932E-02	
62	1.83698E-02	7.02019E-03	1.06945E-02	3.73884E-02	4.47700E-02	
63	1.83512E-02	7.01344E-03	1.06928E-02	3.73650E-02	4.47466E-02	
64	1.83324E-02	7.00660E-03	1.06912E-02	3.73413E-02	4.47229E-02	
65	1.83134E-02	6.99970E-03	1.06895E-02	3.73174E-02	4.46989E-02	
66	1.82942E-02	6.99272E-03	1.06878E-02	3.72932E-02	4.46747E-02	
67	9.76034E-05	3.54546E-05	8.56373E-06	1.22942E-04	1.23016E-04	
68	7.80678E-05	2.83583E-05	6.84967E-06	9.82550E-05	9.83947E-05	
69	5.85432E-05	2.12659E-05	5.13658E-06	7.36815E-05	7.37862E-05	
70	3.90245E-05	1.41757E-05	3.42401E-06	4.9157E-05	4.91855E-05	
71	1.95112E-05	7.08748E-06	1.71192E-06	2.45565E-05	2.45914E-05	
72	0.	0.	0.	0.	0.	
INT. 73 THRU INT. 168 SAME AS ABOVE						

TABLE XXVI. GAMMA-RAY SOURCE DATA FOR 3.2PPM URANIUM SOURCE IN SANDSTONE ORE BODY: DIRT
OVERBURDEN LAYER 2

G = ENERGY GROUP NUMBER; INT.= SPATIAL INTERVAL NUMBER

		(photons/cm ³ sec)							
DISTRIBUTED SOURCE - G=GROUP NO.		N= 0							
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	2.56552E-05	1.26239E-03	2.78579E-06	3.11120E-05	5.70928E-03	5.64151E-05	4.66251E-04	1.77928E-02	
2	2.56415E-05	1.26172E-03	2.78430E-06	3.10954E-05	5.70623E-03	5.63885E-05	4.66009E-04	1.77833E-02	
3	2.56276E-05	1.26104E-03	2.78279E-06	3.10786E-05	5.70315E-03	5.63615E-05	4.65763E-04	1.77737E-02	
4	2.56136E-05	1.26035E-03	2.78127E-06	3.10615E-05	5.70003E-03	5.63342E-05	4.65515E-04	1.77640E-02	
5	2.55994E-05	1.25965E-03	2.77973E-06	3.10444E-05	5.69687E-03	5.63066E-05	4.65263E-04	1.77542E-02	
6	2.55851E-05	1.25894E-03	2.77818E-06	3.10270E-05	5.69368E-03	5.62787E-05	4.65010E-04	1.77443E-02	
7	2.55706E-05	1.25823E-03	2.77660E-06	3.10094E-05	5.69046E-03	5.62505E-05	4.64753E-04	1.77342E-02	
8	2.55560E-05	1.25751E-03	2.77501E-06	3.09916E-05	5.68720E-03	5.62220E-05	4.64493E-04	1.77241E-02	
9	2.55411E-05	1.25678E-03	2.77341E-06	3.09737E-05	5.68391E-03	5.61932E-05	4.64231E-04	1.77139E-02	
10	2.55262E-05	1.25604E-03	2.77178E-06	3.09555E-05	5.68057E-03	5.61639E-05	4.63966E-04	1.77035E-02	
11	2.55110E-05	1.25530E-03	2.77014E-06	3.09372E-05	5.67720E-03	5.61346E-05	4.63698E-04	1.76930E-02	
12	2.54957E-05	1.25455E-03	2.76847E-06	3.09186E-05	5.67379E-03	5.61048E-05	4.63426E-04	1.76824E-02	
13	2.54802E-05	1.25378E-03	2.76679E-06	3.08998E-05	5.67035E-03	5.60746E-05	4.63152E-04	1.76717E-02	
14	2.54646E-05	1.25301E-03	2.76509E-06	3.08808E-05	5.66686E-03	5.60442E-05	4.62874E-04	1.76609E-02	
15	2.54487E-05	1.25223E-03	2.76337E-06	3.08616E-05	5.66334E-03	5.60132E-05	4.62594E-04	1.76499E-02	
16	2.54327E-05	1.25145E-03	2.76163E-06	3.08422E-05	5.65977E-03	5.59822E-05	4.62310E-04	1.76388E-02	
17	2.54165E-05	1.25065E-03	2.75988E-06	3.08226E-05	5.65617E-03	5.59507E-05	4.62024E-04	1.76276E-02	
18	2.54001E-05	1.24984E-03	2.75810E-06	3.08027E-05	5.65253E-03	5.59187E-05	4.61734E-04	1.76163E-02	
19	2.53836E-05	1.24903E-03	2.75630E-06	3.07827E-05	5.64885E-03	5.58866E-05	4.61441E-04	1.76048E-02	
20	2.53670E-05	1.24821E-03	2.75450E-06	3.07625E-05	5.64515E-03	5.58543E-05	4.61146E-04	1.75933E-02	
21	2.53499E-05	1.24737E-03	2.75265E-06	3.07418E-05	5.64135E-03	5.58210E-05	4.60844E-04	1.75815E-02	
22	2.53328E-05	1.24653E-03	2.75079E-06	3.07211E-05	5.63755E-03	5.57878E-05	4.60541E-04	1.75697E-02	
23	2.53156E-05	1.24568E-03	2.74891E-06	3.07001E-05	5.63370E-03	5.57542E-05	4.60235E-04	1.75577E-02	
24	2.52981E-05	1.24482E-03	2.74701E-06	3.06789E-05	5.62981E-03	5.57201E-05	4.59925E-04	1.75456E-02	
25	2.52804E-05	1.24395E-03	2.74509E-06	3.06574E-05	5.62587E-03	5.56857E-05	4.59612E-04	1.75334E-02	
26	2.52625E-05	1.24307E-03	2.74315E-06	3.06357E-05	5.62189E-03	5.56508E-05	4.59295E-04	1.75210E-02	
27	2.52444E-05	1.24218E-03	2.74119E-06	3.06138E-05	5.61787E-03	5.56156E-05	4.58974E-04	1.75085E-02	
28	2.52261E-05	1.24128E-03	2.73920E-06	3.05916E-05	5.61380E-03	5.55801E-05	4.58651E-04	1.74958E-02	
29	2.52076E-05	1.24037E-03	2.73719E-06	3.05692E-05	5.60966E-03	5.55441E-05	4.58323E-04	1.74830E-02	
30	2.51889E-05	1.23945E-03	2.73517E-06	3.05465E-05	5.60553E-03	5.55078E-05	4.57992E-04	1.74701E-02	
31	2.51700E-05	1.23852E-03	2.73311E-06	3.05236E-05	5.60132E-03	5.54710E-05	4.57657E-04	1.74570E-02	
32	2.51509E-05	1.23758E-03	2.73104E-06	3.05004E-05	5.59706E-03	5.54337E-05	4.57319E-04	1.74438E-02	
33	2.51316E-05	1.23663E-03	2.72894E-06	3.04770E-05	5.59276E-03	5.53961E-05	4.56976E-04	1.74304E-02	
34	2.51120E-05	1.23567E-03	2.72682E-06	3.04533E-05	5.58841E-03	5.53580E-05	4.56630E-04	1.74169E-02	
35	2.50923E-05	1.23469E-03	2.72467E-06	3.04293E-05	5.58402E-03	5.53136E-05	4.56280E-04	1.74032E-02	
36	2.50723E-05	1.23371E-03	2.72250E-06	3.04051E-05	5.57957E-03	5.52807E-05	4.55926E-04	1.73894E-02	
37	2.50521E-05	1.23272E-03	2.72031E-06	3.03806E-05	5.57507E-03	5.52415E-05	4.55568E-04	1.73754E-02	
38	2.50317E-05	1.23171E-03	2.71809E-06	3.03558E-05	5.57053E-03	5.52017E-05	4.55206E-04	1.73613E-02	
39	2.50110E-05	1.23069E-03	2.71585E-06	3.03308E-05	5.56593E-03	5.51615E-05	4.54840E-04	1.73470E-02	
40	2.49901E-05	1.22967E-03	2.71358E-06	3.03055E-05	5.56128E-03	5.51209E-05	4.54470E-04	1.73325E-02	

TABLE XXVI. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 0								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	2.49690E-05	1.22663E-03	2.71129E-06	3.02798E-05	5.55658E-03	5.50798E-05	4.54096E-04	1.73179E-02
42	2.49476E-05	1.22758E-03	2.70897E-06	3.02540E-05	5.55183E-03	5.50382E-05	4.53718E-04	1.73031E-02
43	2.49260E-05	1.22652E-03	2.70663E-06	3.02278E-05	5.54702E-03	5.49962E-05	4.53335E-04	1.72882E-02
44	2.49042E-05	1.22544E-03	2.70425E-06	3.02013E-05	5.54217E-03	5.49537E-05	4.52949E-04	1.72731E-02
45	2.48821E-05	1.22435E-03	2.70186E-06	3.01745E-05	5.53725E-03	5.49106E-05	4.52557E-04	1.72578E-02
46	2.48598E-05	1.22326E-03	2.69943E-06	3.01474E-05	5.53228E-03	5.48673E-05	4.52162E-04	1.72423E-02
47	2.48373E-05	1.22215E-03	2.69698E-06	3.01201E-05	5.52726E-03	5.48234E-05	4.51762E-04	1.72267E-02
48	2.48144E-05	1.22102E-03	2.69450E-06	3.00924E-05	5.52218E-03	5.47790E-05	4.51358E-04	1.72109E-02
49	2.47913E-05	1.21989E-03	2.69200E-06	3.00644E-05	5.51705E-03	5.47340E-05	4.50949E-04	1.71949E-02
50	2.47680E-05	1.21874E-03	2.68947E-06	3.00361E-05	5.51185E-03	5.46885E-05	4.50536E-04	1.71788E-02
51	2.47444E-05	1.21758E-03	2.68690E-06	3.00075E-05	5.50660E-03	5.46426E-05	4.50118E-04	1.71625E-02
52	2.47206E-05	1.21640E-03	2.68431E-06	2.99786E-05	5.50129E-03	5.45963E-05	4.49695E-04	1.71460E-02
53	2.46964E-05	1.21522E-03	2.68169E-06	2.99493E-05	5.49592E-03	5.45494E-05	4.49268E-04	1.71293E-02
54	2.46720E-05	1.21402E-03	2.67905E-06	2.99197E-05	5.49050E-03	5.45018E-05	4.48836E-04	1.71124E-02
55	2.46474E-05	1.21290E-03	2.67637E-06	2.98898E-05	5.48500E-03	5.44538E-05	4.48399E-04	1.70953E-02
56	2.46224E-05	1.21157E-03	2.67366E-06	2.98596E-05	5.47946E-03	5.44053E-05	4.47957E-04	1.70791E-02
57	2.45972E-05	1.21033E-03	2.67092E-06	2.98290E-05	5.47384E-03	5.43563E-05	4.47510E-04	1.70606E-02
58	2.45717E-05	1.20908E-03	2.66815E-06	2.97981E-05	5.46817E-03	5.43066E-05	4.47059E-04	1.70430E-02
59	2.45460E-05	1.20781E-03	2.66536E-06	2.97668E-05	5.46243E-03	5.42565E-05	4.46602E-04	1.70251E-02
60	2.45199E-05	1.20653E-03	2.66252E-06	2.97352E-05	5.45663E-03	5.42058E-05	4.46140E-04	1.70071E-02
61	2.44935E-05	1.20523E-03	2.65966E-06	2.97032E-05	5.45077E-03	5.41544E-05	4.45673E-04	1.69888E-02
62	2.44669E-05	1.20392E-03	2.65677E-06	2.96709E-05	5.44483E-03	5.41026E-05	4.45201E-04	1.69704E-02
63	2.43096E-07	1.19618E-05	2.63932E-08	2.94802E-07	5.40983E-05	4.73071E-07	4.30626E-06	1.68237E-04
64	2.16010E-07	1.06290E-05	2.34525E-08	2.61955E-07	4.80707E-05	4.20362E-07	3.82646E-06	1.49492E-04
65	1.88951E-07	9.29759E-06	2.05147E-08	2.29141E-07	4.20491E-05	3.67704E-07	3.34713E-06	1.30766E-04
66	1.61913E-07	7.96718E-06	1.75792E-08	1.96353E-07	3.60322E-05	3.15089E-07	2.86819E-06	1.12054E-04
67	1.34898E-07	6.63786E-06	1.46462E-08	1.63591E-07	3.00203E-05	2.62517E-07	2.38963E-06	9.33584E-05
68	1.07998E-07	5.30928E-06	1.17146E-08	1.30848E-07	2.40117E-05	2.09974E-07	1.91134E-06	7.46724E-05
69	8.09131E-08	3.98143E-06	8.78485E-09	9.81232E-08	1.80064E-05	1.57459E-07	1.43331E-06	5.59969E-05
70	5.39364E-08	2.65401E-06	5.85595E-09	6.54086E-08	1.20029E-05	1.04962E-07	9.55444E-07	3.73274E-05
71	2.69666E-08	1.32692E-06	2.92780E-09	3.27024E-08	6.00114E-06	5.24779E-08	4.77694E-07	1.86627E-05
72	0.	0.	0.	0.	0.	0.	0.	0.
INT. 73 THRU INT. 168 SAME AS ABOVE								

TABLE XXVI. (Continued)

(photons/cm ³ sec)									
D DISTRIBUTED SOURCE - G=GROUP NO.									
N= 8									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	9.38287E-04	1.14670E-03	6.43918E-04	1.81138E-03	7.01502E-03	2.17473E-07	2.11346E-04	6.05629E-03	
2	9.37787E-04	1.14609E-03	6.43582E-04	1.81042E-03	7.01129E-03	2.17473E-07	2.11238E-04	6.05305E-03	
3	9.37281E-04	1.14547E-03	6.43243E-04	1.80944E-03	7.00751E-03	2.17473E-07	2.11128E-04	6.04978E-03	
4	9.36769E-04	1.14485E-03	6.42900E-04	1.80845E-03	7.00368E-03	2.17473E-07	2.11018E-04	6.04649E-03	
5	9.36251E-04	1.14422E-03	6.42553E-04	1.80745E-03	6.99982E-03	2.17473E-07	2.10906E-04	6.04313E-03	
6	9.35728E-04	1.14358E-03	6.42202E-04	1.80644E-03	6.99591E-03	2.17473E-07	2.10792E-04	6.03975E-03	
7	9.35199E-04	1.14294E-03	6.41848E-04	1.80542E-03	6.99196E-03	2.17473E-07	2.10678E-04	6.03633E-03	
8	9.34664E-04	1.14229E-03	6.41489E-04	1.80439E-03	6.98796E-03	2.17473E-07	2.10562E-04	6.03288E-03	
9	9.34123E-04	1.14163E-03	6.41127E-04	1.80334E-03	6.98392E-03	2.17473E-07	2.10445E-04	6.02938E-03	
10	9.33577E-04	1.14096E-03	6.40760E-04	1.80229E-03	6.97983E-03	2.17473E-07	2.10326E-04	6.02585E-03	
11	9.33024E-04	1.14029E-03	6.40389E-04	1.80122E-03	6.97571E-03	2.17473E-07	2.10207E-04	6.02228E-03	
12	9.32465E-04	1.13961E-03	6.40015E-04	1.80014E-03	6.97153E-03	2.17473E-07	2.10086E-04	6.01867E-03	
13	9.31899E-04	1.13892E-03	6.39635E-04	1.79905E-03	6.96731E-03	2.17473E-07	2.09963E-04	6.01503E-03	
14	9.31328E-04	1.13822E-03	6.39252E-04	1.79795E-03	6.96304E-03	2.17473E-07	2.09839E-04	6.01132E-03	
15	9.30750E-04	1.13752E-03	6.38865E-04	1.79683E-03	6.95872E-03	2.17473E-07	2.09714E-04	6.00759E-03	
16	9.30165E-04	1.13681E-03	6.38473E-04	1.79570E-03	6.95436E-03	2.17473E-07	2.09588E-04	6.00381E-03	
17	9.29574E-04	1.13609E-03	6.38076E-04	1.79456E-03	6.94994E-03	2.17473E-07	2.09460E-04	5.99999E-03	
18	9.28976E-04	1.13536E-03	6.37676E-04	1.79341E-03	6.94548E-03	2.17473E-07	2.09330E-04	5.99613E-03	
19	9.28373E-04	1.13463E-03	6.37271E-04	1.79224E-03	6.94096E-03	2.17473E-07	2.09200E-04	5.99223E-03	
20	9.27765E-04	1.13389E-03	6.36864E-04	1.79107E-03	6.93643E-03	2.17473E-07	2.09068E-04	5.98831E-03	
21	9.27143E-04	1.13313E-03	6.36447E-04	1.78987E-03	6.93179E-03	2.17473E-07	2.08934E-04	5.98429E-03	
22	9.26519E-04	1.13237E-03	6.36028E-04	1.78866E-03	6.92711E-03	2.17473E-07	2.08798E-04	5.98026E-03	
23	9.25888E-04	1.13160E-03	6.35605E-04	1.78745E-03	6.92241E-03	2.17473E-07	2.08662E-04	5.97618E-03	
24	9.25249E-04	1.13082E-03	6.35177E-04	1.78621E-03	6.91764E-03	2.17473E-07	2.08523E-04	5.97205E-03	
25	9.24603E-04	1.13004E-03	6.34744E-04	1.78497E-03	6.91281E-03	2.17473E-07	2.08384E-04	5.96788E-03	
26	9.23950E-04	1.12924E-03	6.34306E-04	1.78371E-03	6.90793E-03	2.17473E-07	2.08242E-04	5.96366E-03	
27	9.23290E-04	1.12844E-03	6.33863E-04	1.78243E-03	6.90300E-03	2.17473E-07	2.08099E-04	5.95939E-03	
28	9.22622E-04	1.12763E-03	6.33416E-04	1.78114E-03	6.89802E-03	2.17473E-07	2.07955E-04	5.95508E-03	
29	9.21947E-04	1.12680E-03	6.32963E-04	1.77984E-03	6.89296E-03	2.17473E-07	2.07808E-04	5.95071E-03	
30	9.21265E-04	1.12597E-03	6.32506E-04	1.77852E-03	6.88788E-03	2.17473E-07	2.07661E-04	5.94631E-03	
31	9.20575E-04	1.12513E-03	6.32043E-04	1.77719E-03	6.88272E-03	2.17473E-07	2.07511E-04	5.94185E-03	
32	9.19877E-04	1.12428E-03	6.31575E-04	1.77584E-03	6.87750E-03	2.17473E-07	2.07360E-04	5.93734E-03	
33	9.19171E-04	1.12343E-03	6.31102E-04	1.77448E-03	6.87224E-03	2.17473E-07	2.07207E-04	5.93278E-03	
34	9.18457E-04	1.12256E-03	6.30624E-04	1.77310E-03	6.86691E-03	2.17473E-07	2.07053E-04	5.92817E-03	
35	9.17736E-04	1.12168E-03	6.30140E-04	1.77171E-03	6.86152E-03	2.17473E-07	2.06897E-04	5.92351E-03	
36	9.17007E-04	1.12079E-03	6.29651E-04	1.77030E-03	6.85607E-03	2.17473E-07	2.06739E-04	5.91880E-03	
37	9.16270E-04	1.11989E-03	6.29157E-04	1.76888E-03	6.85056E-03	2.17473E-07	2.06579E-04	5.91404E-03	
38	9.15524E-04	1.11899E-03	6.28656E-04	1.76744E-03	6.84499E-03	2.17473E-07	2.06418E-04	5.90921E-03	
39	9.14769E-04	1.11807E-03	6.28151E-04	1.76598E-03	6.83935E-03	2.17473E-07	2.06254E-04	5.90434E-03	
40	9.14007E-04	1.11714E-03	6.27639E-04	1.76451E-03	6.83365E-03	2.17473E-07	2.06089E-04	5.89941E-03	

TABLE XXVI. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 8									
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	9.13236E-04	1.11620E-03	6.27123E-04	1.76302E-03	6.82789E-03	2.17473E-07	2.05922E-04	5.89443E-03	
42	9.12456E-04	1.11525E-03	6.26600E-04	1.76152E-03	6.82208E-03	2.17473E-07	2.05753E-04	5.88940E-03	
43	9.11668E-04	1.11429E-03	6.26072E-04	1.76000E-03	6.81619E-03	2.17473E-07	2.05583E-04	5.88430E-03	
44	9.10871E-04	1.11332E-03	6.25537E-04	1.75846E-03	6.81024E-03	2.17473E-07	2.05410E-04	5.87916E-03	
45	9.10065E-04	1.11234E-03	6.24997E-04	1.75690E-03	6.80422E-03	2.17473E-07	2.05236E-04	5.87395E-03	
46	9.09250E-04	1.11135E-03	6.24450E-04	1.75533E-03	6.79813E-03	2.17473E-07	2.05059E-04	5.86868E-03	
47	9.08426E-04	1.11034E-03	6.23898E-04	1.75374E-03	6.79198E-03	2.17473E-07	2.04881E-04	5.86336E-03	
48	9.07592E-04	1.10933E-03	6.23339E-04	1.75213E-03	6.78575E-03	2.17473E-07	2.04700E-04	5.85797E-03	
49	9.06750E-04	1.10830E-03	6.22774E-04	1.75050E-03	6.77945E-03	2.17473E-07	2.04518E-04	5.85253E-03	
50	9.05898E-04	1.10727E-03	6.22203E-04	1.74886E-03	6.77308E-03	2.17473E-07	2.04333E-04	5.84702E-03	
51	9.05037E-04	1.10622E-03	6.21625E-04	1.74719E-03	6.76665E-03	2.17473E-07	2.04147E-04	5.84146E-03	
52	9.04166E-04	1.10516E-03	6.21042E-04	1.74551E-03	6.76015E-03	2.17473E-07	2.03958E-04	5.83583E-03	
53	9.03285E-04	1.10409E-03	6.20451E-04	1.74381E-03	6.75358E-03	2.17473E-07	2.03768E-04	5.83014E-03	
54	9.02394E-04	1.10300E-03	6.19854E-04	1.74209E-03	6.74691E-03	2.17473E-07	2.03575E-04	5.82439E-03	
55	9.01494E-04	1.10191E-03	6.19250E-04	1.74035E-03	6.74019E-03	2.17473E-07	2.03380E-04	5.81857E-03	
56	9.00583E-04	1.10080E-03	6.18640E-04	1.73860E-03	6.73340E-03	2.17473E-07	2.03183E-04	5.81269E-03	
57	8.99663E-04	1.09968E-03	6.18023E-04	1.73682E-03	6.72651E-03	2.17473E-07	2.02983E-04	5.80674E-03	
58	8.98732E-04	1.09854E-03	6.17399E-04	1.73502E-03	6.71956E-03	2.17473E-07	2.02782E-04	5.80073E-03	
59	8.97791E-04	1.09740E-03	6.16767E-04	1.73321E-03	6.71253E-03	2.17473E-07	2.02578E-04	5.79465E-03	
60	8.96839E-04	1.09624E-03	6.16129E-04	1.73137E-03	6.70543E-03	2.17473E-07	2.02372E-04	5.78850E-03	
61	8.95877E-04	1.09507E-03	6.15484E-04	1.72951E-03	6.69824E-03	2.17473E-07	2.02164E-04	5.78228E-03	
62	8.94904E-04	1.09388E-03	6.14833E-04	1.72763E-03	6.69096E-03	2.17473E-07	2.01953E-04	5.77599E-03	
63	8.9391E-06	1.08042E-05	5.95005E-06	1.71325E-05	6.62917E-05	0.	1.92162E-06	5.73397E-05	
64	7.88608E-06	9.60043E-06	5.28710E-06	1.52235E-05	5.89055E-05	0.	1.70751E-06	5.09508E-05	
65	6.89821E-06	8.39782E-06	4.62479E-06	1.33165E-05	5.15266E-05	0.	1.49361E-06	4.45684E-05	
66	5.91114E-06	7.19616E-06	3.96303E-06	1.14110E-05	4.41536E-05	0.	1.27989E-06	3.81910E-05	
67	4.92487E-06	5.99549E-06	3.30180E-06	9.50713E-06	3.67866E-05	0.	1.05634E-06	3.18189E-05	
68	3.93914E-06	4.79547E-06	2.64094E-06	7.60425E-06	2.94237E-05	0.	8.52910E-07	2.54503E-05	
69	2.95397E-06	3.59613E-06	1.96045E-06	5.70244E-06	2.20649E-05	0.	6.39598E-07	1.90852E-05	
70	1.96911E-06	2.39717E-06	1.32015E-06	3.80123E-06	1.47083E-05	0.	4.26354E-07	1.27221E-05	
71	9.84496E-07	1.19851E-06	6.60040E-07	1.90051E-06	7.35375E-06	0.	2.13165E-07	6.36070E-06	
72	0.	0.	0.	0.	0.	0.	0.	0.	

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXVI. (Continued)

DISTRIBUTED SOURCE - G=GROUP NO. N= 16								
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	4.98797E-04	1.38544E-02	6.50477E-04	5.47106E-04	4.00926E-05	3.12000E-04	2.67670E-03	0.
2	4.98540E-04	1.38470E-02	6.50139E-04	5.47090E-04	4.00777E-05	3.11833E-04	2.67531E-03	0.
3	4.98281E-04	1.38395E-02	6.49798E-04	5.47073E-04	4.00626E-05	3.11664E-04	2.67390E-03	0.
4	4.98018E-04	1.38320E-02	6.49452E-04	5.47056E-04	4.00474E-05	3.11494E-04	2.67248E-03	0.
5	4.97752E-04	1.38243E-02	6.49103E-04	5.47040E-04	4.00319E-05	3.11322E-04	2.67104E-03	0.
6	4.97484E-04	1.38166E-02	6.48750E-04	5.47023E-04	4.00163E-05	3.11147E-04	2.66958E-03	0.
7	4.97213E-04	1.38088E-02	6.48393E-04	5.47005E-04	4.00006E-05	3.10971E-04	2.66811E-03	0.
8	4.96938E-04	1.38008E-02	6.48032E-04	5.46988E-04	3.99846E-05	3.10793E-04	2.66662E-03	0.
9	4.96661E-04	1.37929E-02	6.47667E-04	5.46970E-04	3.99685E-05	3.10613E-04	2.66512E-03	0.
10	4.96380E-04	1.37848E-02	6.47298E-04	5.46952E-04	3.99522E-05	3.10431E-04	2.66359E-03	0.
11	4.96097E-04	1.37766E-02	6.46925E-04	5.46934E-04	3.99357E-05	3.10247E-04	2.66206E-03	0.
12	4.95810E-04	1.37683E-02	6.46548E-04	5.46916E-04	3.99190E-05	3.10060E-04	2.66050E-03	0.
13	4.95520E-04	1.37600E-02	6.46166E-04	5.46898E-04	3.99021E-05	3.09872E-04	2.65893E-03	0.
14	4.95226E-04	1.37515E-02	6.45781E-04	5.46879E-04	3.98851E-05	3.09682E-04	2.65734E-03	0.
15	4.94930E-04	1.37430E-02	6.45391E-04	5.46860E-04	3.98678E-05	3.09489E-04	2.65573E-03	0.
16	4.94630E-04	1.37343E-02	6.44996E-04	5.46841E-04	3.98504E-05	3.09295E-04	2.65410E-03	0.
17	4.94327E-04	1.37256E-02	6.44598E-04	5.46822E-04	3.98328E-05	3.09098E-04	2.65246E-03	0.
18	4.94020E-04	1.37168E-02	6.44194E-04	5.46802E-04	3.98150E-05	3.08899E-04	2.65079E-03	0.
19	4.93710E-04	1.37078E-02	6.43787E-04	5.46783E-04	3.97969E-05	3.08698E-04	2.64911E-03	0.
20	4.93399E-04	1.36989E-02	6.43377E-04	5.46763E-04	3.97789E-05	3.08495E-04	2.64742E-03	0.
21	4.93080E-04	1.36897E-02	6.42958E-04	5.46743E-04	3.97603E-05	3.08288E-04	2.64569E-03	0.
22	4.92759E-04	1.36804E-02	6.42536E-04	5.46722E-04	3.97417E-05	3.08080E-04	2.64396E-03	0.
23	4.92435E-04	1.36711E-02	6.42110E-04	5.46702E-04	3.97228E-05	3.07870E-04	2.64220E-03	0.
24	4.92108E-04	1.36617E-02	6.41679E-04	5.46681E-04	3.97038E-05	3.07657E-04	2.64042E-03	0.
25	4.91777E-04	1.36521E-02	6.41243E-04	5.46660E-04	3.96845E-05	3.07442E-04	2.63863E-03	0.
26	4.91441E-04	1.36425E-02	6.40802E-04	5.46639E-04	3.96650E-05	3.07225E-04	2.63681E-03	0.
27	4.91103E-04	1.36327E-02	6.40357E-04	5.46617E-04	3.96454E-05	3.07005E-04	2.63497E-03	0.
28	4.90760E-04	1.36228E-02	6.39907E-04	5.46595E-04	3.96254E-05	3.06783E-04	2.63311E-03	0.
29	4.90414E-04	1.36129E-02	6.39451E-04	5.46573E-04	3.96053E-05	3.06558E-04	2.63123E-03	0.
30	4.90064E-04	1.36028E-02	6.38991E-04	5.46551E-04	3.95849E-05	3.06330E-04	2.62934E-03	0.
31	4.89710E-04	1.35926E-02	6.38525E-04	5.46529E-04	3.95644E-05	3.06101E-04	2.62742E-03	0.
32	4.89352E-04	1.35823E-02	6.38054E-04	5.46506E-04	3.95435E-05	3.05868E-04	2.62547E-03	0.
33	4.88990E-04	1.35718E-02	6.37578E-04	5.46483E-04	3.95225E-05	3.05633E-04	2.62351E-03	0.
34	4.88624E-04	1.35613E-02	6.37096E-04	5.46460E-04	3.95012E-05	3.05395E-04	2.62152E-03	0.
35	4.88254E-04	1.35506E-02	6.36610E-04	5.46436E-04	3.94797E-05	3.05155E-04	2.61952E-03	0.
36	4.87879E-04	1.35398E-02	6.36117E-04	5.46412E-04	3.94580E-05	3.04913E-04	2.61749E-03	0.
37	4.87501E-04	1.35289E-02	6.35620E-04	5.46388E-04	3.94360E-05	3.04667E-04	2.61544E-03	0.
38	4.87118E-04	1.35179E-02	6.35116E-04	5.46364E-04	3.94137E-05	3.04418E-04	2.61336E-03	0.
39	4.86731E-04	1.35067E-02	6.34607E-04	5.46339E-04	3.93912E-05	3.04167E-04	2.61126E-03	0.
40	4.86340E-04	1.34955E-02	6.34093E-04	5.46315E-04	3.93685E-05	3.03913E-04	2.60914E-03	0.

TABLE XXVI. (Continued)

(photons/cm³ sec.)

DISTRIBUTED SOURCE - G=GROUP NO. N= 16								
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	4.85944E-04	1.34841E-02	6.33572E-04	5.46289E-04	3.93455E-05	3.03656E-04	2.60699E-03	0.
42	4.85545E-04	1.34726E-02	6.33046E-04	5.46264E-04	3.93222E-05	3.03397E-04	2.60483E-03	0.
43	4.85140E-04	1.34609E-02	6.32515E-04	5.46238E-04	3.92987E-05	3.03134E-04	2.60263E-03	0.
44	4.84731E-04	1.34491E-02	6.31977E-04	5.46212E-04	3.92749E-05	3.02869E-04	2.60041E-03	0.
45	4.84318E-04	1.34372E-02	6.31433E-04	5.46186E-04	3.92509E-05	3.02600E-04	2.59817E-03	0.
46	4.83899E-04	1.34252E-02	6.30883E-04	5.46159E-04	3.92266E-05	3.02329E-04	2.59590E-03	0.
47	4.83477E-04	1.34130E-02	6.30327E-04	5.46133E-04	3.92020E-05	3.02055E-04	2.59361E-03	0.
48	4.83049E-04	1.34007E-02	6.29764E-04	5.46105E-04	3.91771E-05	3.01777E-04	2.59129E-03	0.
49	4.82617E-04	1.33882E-02	6.29195E-04	5.46078E-04	3.91520E-05	3.01496E-04	2.58895E-03	0.
50	4.82180E-04	1.33756E-02	6.28621E-04	5.46050E-04	3.91266E-05	3.01213E-04	2.58658E-03	0.
51	4.81738E-04	1.33629E-02	6.28039E-04	5.46022E-04	3.91009E-05	3.00926E-04	2.58418E-03	0.
52	4.81291E-04	1.33500E-02	6.27452E-04	5.45994E-04	3.90749E-05	3.00636E-04	2.58176E-03	0.
53	4.80839E-04	1.33370E-02	6.26858E-04	5.45965E-04	3.90487E-05	3.00342E-04	2.57930E-03	0.
54	4.80383E-04	1.33238E-02	6.26257E-04	5.45936E-04	3.90221E-05	3.00046E-04	2.57683E-03	0.
55	4.79920E-04	1.33105E-02	6.25649E-04	5.45907E-04	3.89953E-05	2.99746E-04	2.57432E-03	0.
56	4.79453E-04	1.32970E-02	6.25035E-04	5.45877E-04	3.89681E-05	2.99443E-04	2.57179E-03	0.
57	4.78981E-04	1.32834E-02	6.24414E-04	5.45847E-04	3.89406E-05	2.99136E-04	2.56923E-03	0.
58	4.78504E-04	1.32697E-02	6.23786E-04	5.45817E-04	3.89129E-05	2.98826E-04	2.56664E-03	0.
59	4.78021E-04	1.32558E-02	6.23150E-04	5.45786E-04	3.88848E-05	2.98513E-04	2.56402E-03	0.
60	4.77532E-04	1.32417E-02	6.22508E-04	5.45755E-04	3.88564E-05	2.98196E-04	2.56137E-03	0.
61	4.77039E-04	1.32275E-02	6.21859E-04	5.45723E-04	3.88277E-05	2.97875E-04	2.55869E-03	0.
62	4.76539E-04	1.32131E-02	6.21203E-04	5.45692E-04	3.87987E-05	2.97551E-04	2.55598E-03	0.
63	4.55321E-06	1.31194E-04	5.98871E-06	2.89311E-07	2.64704E-07	2.95573E-06	2.46954E-05	0.
64	4.04589E-06	1.16576E-04	5.32145E-06	2.57076E-07	2.35211E-07	2.62641E-06	2.19439E-05	0.
65	3.53908E-06	1.01973E-04	4.65484E-06	2.24873E-07	2.05747E-07	2.29741E-06	1.91951E-05	0.
66	3.03267E-06	8.73819E-05	3.98878E-06	1.92696E-07	1.76307E-07	1.96867E-06	1.64484E-05	0.
67	2.52667E-06	7.28024E-05	3.32325E-06	1.60544E-07	1.46889E-07	1.64020E-06	1.37039E-05	0.
68	2.02095E-06	5.82308E-05	2.65810E-06	1.28411E-07	1.17489E-07	1.31190E-06	1.09611E-05	0.
69	1.51551E-06	4.36673E-05	1.99331E-06	9.62958E-08	8.81053E-08	9.83800E-07	8.21974E-06	0.
70	1.01023E-06	2.91085E-05	1.32873E-06	6.41904E-08	5.87307E-08	6.55798E-07	5.47925E-06	0.
71	5.05089E-07	1.45534E-05	6.64329E-07	3.20933E-08	2.93637E-08	3.27800E-07	2.73947E-06	0.
72	0.	0.	0.	0.	0.	0.	0.	0.

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXVI. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 24								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.12427E-03	1.19254E-03	4.20673E-03	2.50394E-04	4.96526E-05	1.02962E-03	1.01206E-06	3.76485E-02
2	2.12328E-03	1.19192E-03	4.20458E-03	2.50298E-04	4.96261E-05	1.02912E-03	1.01206E-06	3.76284E-02
3	2.12228E-03	1.19130E-03	4.20242E-03	2.50201E-04	4.95993E-05	1.02862E-03	1.01206E-06	3.76081E-02
4	2.12127E-03	1.19067E-03	4.20023E-03	2.50103E-04	4.95722E-05	1.02811E-03	1.01206E-06	3.75875E-02
5	2.12024E-03	1.19003E-03	4.19802E-03	2.50004E-04	4.95448E-05	1.02760E-03	1.01206E-06	3.75668E-02
6	2.11921E-03	1.18939E-03	4.19578E-03	2.49904E-04	4.95171E-05	1.02708E-03	1.01206E-06	3.75457E-02
7	2.11817E-03	1.18873E-03	4.19352E-03	2.49803E-04	4.94891E-05	1.02655E-03	1.01206E-06	3.75245E-02
8	2.11711E-03	1.18807E-03	4.19123E-03	2.49700E-04	4.94608E-05	1.02602E-03	1.01206E-06	3.75030E-02
9	2.11604E-03	1.18741E-03	4.18891E-03	2.49597E-04	4.94322E-05	1.02548E-03	1.01206E-06	3.74813E-02
10	2.11496E-03	1.18673E-03	4.18657E-03	2.49492E-04	4.94032E-05	1.02494E-03	1.01206E-06	3.74593E-02
11	2.11387E-03	1.18605E-03	4.18421E-03	2.49387E-04	4.93739E-05	1.02439E-03	1.01206E-06	3.74371E-02
12	2.11277E-03	1.18536E-03	4.18182E-03	2.49280E-04	4.93443E-05	1.02383E-03	1.01206E-06	3.74146E-02
13	2.11165E-03	1.18467E-03	4.17940E-03	2.49171E-04	4.93144E-05	1.02327E-03	1.01206E-06	3.73919E-02
14	2.11052E-03	1.18396E-03	4.17695E-03	2.49062E-04	4.92841E-05	1.02270E-03	1.01206E-06	3.73690E-02
15	2.10938E-03	1.18325E-03	4.17448E-03	2.48952E-04	4.92535E-05	1.02213E-03	1.01206E-06	3.73457E-02
16	2.10823E-03	1.18253E-03	4.17198E-03	2.48840E-04	4.92225E-05	1.02155E-03	1.01206E-06	3.73222E-02
17	2.10706E-03	1.18180E-03	4.16945E-03	2.48727E-04	4.91912E-05	1.02096E-03	1.01206E-06	3.72985E-02
18	2.10588E-03	1.18107E-03	4.16689E-03	2.48612E-04	4.91596E-05	1.02037E-03	1.01206E-06	3.72745E-02
19	2.10468E-03	1.18032E-03	4.16431E-03	2.48497E-04	4.91276E-05	1.01977E-03	1.01206E-06	3.72502E-02
20	2.10349E-03	1.17957E-03	4.16171E-03	2.48381E-04	4.90954E-05	1.01916E-03	1.01206E-06	3.72258E-02
21	2.10226E-03	1.17881E-03	4.15905E-03	2.48262E-04	4.90625E-05	1.01854E-03	1.01206E-06	3.72009E-02
22	2.10102E-03	1.17804E-03	4.15638E-03	2.48142E-04	4.90294E-05	1.01792E-03	1.01206E-06	3.71758E-02
23	2.09978E-03	1.17726E-03	4.15369E-03	2.48022E-04	4.89960E-05	1.01730E-03	1.01206E-06	3.71504E-02
24	2.09852E-03	1.17647E-03	4.15095E-03	2.47899E-04	4.89622E-05	1.01666E-03	1.01206E-06	3.71248E-02
25	2.09724E-03	1.17568E-03	4.14818E-03	2.47776E-04	4.89280E-05	1.01602E-03	1.01206E-06	3.70988E-02
26	2.09595E-03	1.17487E-03	4.14539E-03	2.47651E-04	4.88934E-05	1.01537E-03	1.01206E-06	3.70726E-02
27	2.09465E-03	1.17406E-03	4.14257E-03	2.47524E-04	4.88584E-05	1.01471E-03	1.01206E-06	3.70460E-02
28	2.09333E-03	1.17324E-03	4.13971E-03	2.47397E-04	4.88231E-05	1.01405E-03	1.01206E-06	3.70192E-02
29	2.09199E-03	1.17240E-03	4.13682E-03	2.47268E-04	4.87873E-05	1.01338E-03	1.01206E-06	3.69921E-02
30	2.09065E-03	1.17156E-03	4.13390E-03	2.47137E-04	4.87512E-05	1.01270E-03	1.01206E-06	3.69647E-02
31	2.08928E-03	1.17071E-03	4.13095E-03	2.47005E-04	4.87147E-05	1.01202E-03	1.01206E-06	3.69370E-02
32	2.08791E-03	1.16985E-03	4.12796E-03	2.46872E-04	4.86777E-05	1.01132E-03	1.01206E-06	3.69089E-02
33	2.08651E-03	1.16898E-03	4.12494E-03	2.46737E-04	4.86403E-05	1.01062E-03	1.01206E-06	3.68806E-02
34	2.08510E-03	1.16811E-03	4.12189E-03	2.46600E-04	4.86025E-05	1.00991E-03	1.01206E-06	3.68519E-02
35	2.08368E-03	1.16722E-03	4.11881E-03	2.46462E-04	4.85643E-05	1.00919E-03	1.01206E-06	3.68229E-02
36	2.08224E-03	1.16632E-03	4.11568E-03	2.46323E-04	4.85257E-05	1.00847E-03	1.01206E-06	3.67936E-02
37	2.08078E-03	1.16541E-03	4.11253E-03	2.46181E-04	4.84867E-05	1.00774E-03	1.01206E-06	3.67640E-02
38	2.07931E-03	1.16449E-03	4.10934E-03	2.46039E-04	4.84472E-05	1.00700E-03	1.01206E-06	3.67341E-02
39	2.07782E-03	1.16356E-03	4.10611E-03	2.45894E-04	4.84072E-05	1.00625E-03	1.01206E-06	3.67037E-02
40	2.07631E-03	1.16262E-03	4.10285E-03	2.45749E-04	4.83668E-05	1.00549E-03	1.01206E-06	3.66731E-02

TABLE XXVI. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 24								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	2.07479E-03	1.16167E-03	4.09955E-03	2.45501E-04	4.83260E-05	1.00472E-03	1.01206E-06	3.66421E-02
42	2.07325E-03	1.16071E-03	4.09622E-03	2.45452E-04	4.82847E-05	1.00395E-03	1.01206E-06	3.66108E-02
43	2.07169E-03	1.15974E-03	4.09284E-03	2.45301E-04	4.82430E-05	1.00316E-03	1.01206E-06	3.65792E-02
44	2.07012E-03	1.15876E-03	4.08943E-03	2.45149E-04	4.82008E-05	1.00237E-03	1.01206E-06	3.65471E-02
45	2.06853E-03	1.15776E-03	4.08599E-03	2.44994E-04	4.81581E-05	1.00157E-03	1.01206E-06	3.65147E-02
46	2.06692E-03	1.15676E-03	4.08250E-03	2.44838E-04	4.81149E-05	1.00076E-03	1.01206E-06	3.64820E-02
47	2.06529E-03	1.15574E-03	4.07897E-03	2.44681E-04	4.80713E-05	9.99945E-04	1.01206E-06	3.64489E-02
48	2.06364E-03	1.15472E-03	4.07541E-03	2.44521E-04	4.80272E-05	9.99115E-04	1.01206E-06	3.64154E-02
49	2.06198E-03	1.15368E-03	4.07180E-03	2.44360E-04	4.79825E-05	9.98279E-04	1.01206E-06	3.63816E-02
50	2.06030E-03	1.15263E-03	4.06816E-03	2.44197E-04	4.79374E-05	9.97432E-04	1.01206E-06	3.63473E-02
51	2.05860E-03	1.15157E-03	4.06447E-03	2.44032E-04	4.78918E-05	9.96577E-04	1.01206E-06	3.63128E-02
52	2.05688E-03	1.15049E-03	4.06075E-03	2.43868E-04	4.78457E-05	9.95710E-04	1.01206E-06	3.62778E-02
53	2.05514E-03	1.14941E-03	4.05698E-03	2.43697E-04	4.77991E-05	9.94835E-04	1.01206E-06	3.62424E-02
54	2.05338E-03	1.14831E-03	4.05317E-03	2.43527E-04	4.77519E-05	9.93951E-04	1.01206E-06	3.62066E-02
55	2.05160E-03	1.14720E-03	4.04931E-03	2.43355E-04	4.77042E-05	9.93055E-04	1.01206E-06	3.61704E-02
56	2.04980E-03	1.14608E-03	4.04542E-03	2.43181E-04	4.76560E-05	9.92151E-04	1.01206E-06	3.61338E-02
57	2.04798E-03	1.14495E-03	4.04148E-03	2.43004E-04	4.76072E-05	9.91235E-04	1.01206E-06	3.60969E-02
58	2.04615E-03	1.14380E-03	4.03750E-03	2.42826E-04	4.75579E-05	9.90310E-04	1.01206E-06	3.60595E-02
59	2.04429E-03	1.14264E-03	4.03347E-03	2.42646E-04	4.75081E-05	9.89374E-04	1.01206E-06	3.60217E-02
60	2.04241E-03	1.14147E-03	4.02940E-03	2.42464E-04	4.74577E-05	9.88428E-04	1.01206E-06	3.59834E-02
61	2.04051E-03	1.14028E-03	4.02528E-03	2.42280E-04	4.74067E-05	9.87472E-04	1.01206E-06	3.59447E-02
62	2.03858E-03	1.13908E-03	4.02112E-03	2.42094E-04	4.73552E-05	9.86506E-04	1.01206E-06	3.59057E-02
63	1.75278E-05	1.09354E-05	3.79692E-05	1.89781E-06	4.69984E-07	8.82021E-06	0.	3.56540E-04
64	1.55748E-05	9.71701E-06	3.37387E-05	1.50863E-06	4.17613E-07	7.83745E-06	0.	3.16814E-04
65	1.36238E-05	8.49979E-06	2.95123E-05	1.31965E-06	3.65305E-07	6.85568E-06	0.	2.77128E-04
66	1.16744E-05	7.28354E-06	2.52894E-05	1.13082E-06	3.13033E-07	5.87470E-06	0.	2.37474E-04
67	9.72653E-06	6.06829E-06	2.10699E-05	9.42149E-07	2.60804E-07	4.89450E-06	0.	1.97852E-04
68	7.77973E-06	4.85371E-06	1.68526E-05	7.53575E-07	2.08604E-07	3.91486E-06	0.	1.58250E-04
69	5.83404E-06	3.63980E-06	1.26378E-05	5.65107E-07	1.56432E-07	2.93576E-06	0.	1.18672E-04
70	3.88895E-06	2.42628E-06	9.42435E-06	3.76698E-07	1.04277E-07	1.95697E-06	0.	7.91066E-05
71	1.94437E-06	1.21307E-06	4.21192E-06	1.88339E-07	5.21355E-08	9.78427E-07	0.	3.95510E-05
72	0.	0.	0.	0.	0.	0.	0.	0.

INT. 73 THRU INT. 168. SAME AS ABOVE

TABLE XXVI. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 32

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	4.67317E-04	4.37406E-04	1.84514E-04	1.23373E-03	7.01685E-04	3.03360E-02	1.42004E-04	1.40931E-03
2	4.67121E-04	4.37188E-04	1.84417E-04	1.23313E-03	7.01434E-04	3.03203E-02	1.41987E-04	1.40906E-03
3	4.66922E-04	4.36968E-04	1.84319E-04	1.23253E-03	7.01181E-04	3.03043E-02	1.41969E-04	1.40881E-03
4	4.66721E-04	4.36745E-04	1.84219E-04	1.23193E-03	7.00925E-04	3.02882E-02	1.41952E-04	1.40856E-03
5	4.66517E-04	4.36519E-04	1.84119E-04	1.23131E-03	7.00666E-04	3.02719E-02	1.41934E-04	1.40830E-03
6	4.66312E-04	4.36291E-04	1.84017E-04	1.23069E-03	7.00405E-04	3.02554E-02	1.41916E-04	1.40805E-03
7	4.66104E-04	4.36061E-04	1.83914E-04	1.23006E-03	7.00140E-04	3.02387E-02	1.41898E-04	1.40778E-03
8	4.65894E-04	4.35828E-04	1.83811E-04	1.22942E-03	6.99873E-04	3.02219E-02	1.41880E-04	1.40752E-03
9	4.65681E-04	4.35592E-04	1.83706E-04	1.22878E-03	6.99602E-04	3.02048E-02	1.41862E-04	1.40725E-03
10	4.65467E-04	4.35354E-04	1.83599E-04	1.22813E-03	6.99328E-04	3.01876E-02	1.41843E-04	1.40698E-03
11	4.65249E-04	4.35114E-04	1.83492E-04	1.22748E-03	6.99052E-04	3.01702E-02	1.41824E-04	1.40671E-03
12	4.65029E-04	4.34870E-04	1.83383E-04	1.22681E-03	6.98772E-04	3.01525E-02	1.41805E-04	1.40644E-03
13	4.64808E-04	4.34623E-04	1.83274E-04	1.22614E-03	6.98490E-04	3.01347E-02	1.41786E-04	1.40616E-03
14	4.64583E-04	4.34374E-04	1.83163E-04	1.22546E-03	6.98203E-04	3.01167E-02	1.41766E-04	1.40588E-03
15	4.64356E-04	4.34123E-04	1.83050E-04	1.22477E-03	6.97914E-04	3.00985E-02	1.41746E-04	1.40559E-03
16	4.64126E-04	4.33868E-04	1.82937E-04	1.22408E-03	6.97622E-04	3.00801E-02	1.41726E-04	1.40530E-03
17	4.63894E-04	4.33611E-04	1.82822E-04	1.22338E-03	6.97327E-04	3.00615E-02	1.41706E-04	1.40501E-03
18	4.63659E-04	4.33350E-04	1.82705E-04	1.22267E-03	6.97027E-04	3.00426E-02	1.41686E-04	1.40472E-03
19	4.63422E-04	4.33087E-04	1.82589E-04	1.22195E-03	6.96725E-04	3.00236E-02	1.41665E-04	1.40442E-03
20	4.63184E-04	4.32822E-04	1.82471E-04	1.22123E-03	6.96422E-04	3.00045E-02	1.41644E-04	1.40412E-03
21	4.62939E-04	4.32552E-04	1.82350E-04	1.22049E-03	6.96110E-04	2.99849E-02	1.41623E-04	1.40381E-03
22	4.62694E-04	4.32279E-04	1.82229E-04	1.21975E-03	6.95796E-04	2.99652E-02	1.41602E-04	1.40351E-03
23	4.62446E-04	4.32005E-04	1.82106E-04	1.21899E-03	6.95482E-04	2.99453E-02	1.41580E-04	1.40320E-03
24	4.62195E-04	4.31726E-04	1.81982E-04	1.21824E-03	6.95163E-04	2.99252E-02	1.41558E-04	1.40289E-03
25	4.61941E-04	4.31445E-04	1.81857E-04	1.21747E-03	6.94840E-04	2.99048E-02	1.41536E-04	1.40256E-03
26	4.61685E-04	4.31160E-04	1.81730E-04	1.21669E-03	6.94513E-04	2.98842E-02	1.41514E-04	1.40224E-03
27	4.61425E-04	4.30873E-04	1.81602E-04	1.21591E-03	6.94183E-04	2.98634E-02	1.41491E-04	1.40191E-03
28	4.61163E-04	4.30582E-04	1.81472E-04	1.21511E-03	6.93849E-04	2.98424E-02	1.41469E-04	1.40159E-03
29	4.60897E-04	4.30288E-04	1.81341E-04	1.21431E-03	6.93511E-04	2.98211E-02	1.41445E-04	1.40125E-03
30	4.60629E-04	4.29991E-04	1.81209E-04	1.21350E-03	6.93170E-04	2.97996E-02	1.41422E-04	1.40092E-03
31	4.60358E-04	4.29690E-04	1.81075E-04	1.21268E-03	6.92825E-04	2.97779E-02	1.41399E-04	1.40058E-03
32	4.60084E-04	4.29386E-04	1.80939E-04	1.21185E-03	6.92475E-04	2.97559E-02	1.41375E-04	1.40023E-03
33	4.59807E-04	4.29078E-04	1.80802E-04	1.21101E-03	6.92123E-04	2.97336E-02	1.41351E-04	1.39988E-03
34	4.59527E-04	4.28767E-04	1.80664E-04	1.21017E-03	6.91766E-04	2.97112E-02	1.41326E-04	1.39953E-03
35	4.59243E-04	4.28453E-04	1.80524E-04	1.20931E-03	6.91405E-04	2.96884E-02	1.41302E-04	1.39918E-03
36	4.58957E-04	4.28136E-04	1.80382E-04	1.20844E-03	6.91040E-04	2.96655E-02	1.41277E-04	1.39882E-03
37	4.58667E-04	4.27814E-04	1.80239E-04	1.20756E-03	6.90671E-04	2.96422E-02	1.41251E-04	1.39845E-03
38	4.58374E-04	4.27489E-04	1.80094E-04	1.20668E-03	6.90298E-04	2.96187E-02	1.41226E-04	1.39809E-03
39	4.58078E-04	4.27161E-04	1.79947E-04	1.20578E-03	6.89920E-04	2.95949E-02	1.41200E-04	1.39772E-03
40	4.57778E-04	4.26828E-04	1.79799E-04	1.20488E-03	6.89539E-04	2.95709E-02	1.41174E-04	1.39734E-03

TABLE XXVI. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 32								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	4.57475E-04	4.26492E-04	1.79650E-04	1.20396E-03	6.89153E-04	2.95466E-02	1.41148E-04	1.39696E-03
42	4.57169E-04	4.26153E-04	1.79498E-04	1.20303E-03	6.88763E-04	2.95220E-02	1.41121E-04	1.39658E-03
43	4.56859E-04	4.25810E-04	1.79345E-04	1.20210E-03	6.88369E-04	2.94972E-02	1.41094E-04	1.39619E-03
44	4.56546E-04	4.25462E-04	1.79190E-04	1.20115E-03	6.87971E-04	2.94721E-02	1.41067E-04	1.39579E-03
45	4.56229E-04	4.25111E-04	1.79034E-04	1.20019E-03	6.87567E-04	2.94467E-02	1.41039E-04	1.39540E-03
46	4.55909E-04	4.24756E-04	1.78876E-04	1.19922E-03	6.87160E-04	2.94210E-02	1.41012E-04	1.39500E-03
47	4.55585E-04	4.24397E-04	1.78716E-04	1.19824E-03	6.86747E-04	2.93950E-02	1.40983E-04	1.39459E-03
48	4.55258E-04	4.24034E-04	1.78554E-04	1.19725E-03	6.86330E-04	2.93688E-02	1.40955E-04	1.39418E-03
49	4.54927E-04	4.23667E-04	1.78390E-04	1.19625E-03	6.85909E-04	2.93422E-02	1.40926E-04	1.39376E-03
50	4.54592E-04	4.23296E-04	1.78225E-04	1.19524E-03	6.85483E-04	2.93154E-02	1.40897E-04	1.39334E-03
51	4.54254E-04	4.22921E-04	1.78058E-04	1.19422E-03	6.85052E-04	2.92883E-02	1.40868E-04	1.39292E-03
52	4.53912E-04	4.22541E-04	1.77888E-04	1.19318E-03	6.84617E-04	2.92608E-02	1.40838E-04	1.39249E-03
53	4.53566E-04	4.22158E-04	1.77717E-04	1.19214E-03	6.84176E-04	2.92330E-02	1.40808E-04	1.39206E-03
54	4.53216E-04	4.21770E-04	1.77545E-04	1.19108E-03	6.83730E-04	2.92050E-02	1.40777E-04	1.39162E-03
55	4.52862E-04	4.21377E-04	1.77370E-04	1.19001E-03	6.83280E-04	2.91766E-02	1.40746E-04	1.39117E-03
56	4.52504E-04	4.20981E-04	1.77193E-04	1.18893E-03	6.82825E-04	2.91479E-02	1.40715E-04	1.39072E-03
57	4.52143E-04	4.20580E-04	1.77014E-04	1.18783E-03	6.82364E-04	2.91189E-02	1.40684E-04	1.39027E-03
58	4.51777E-04	4.20174E-04	1.76833E-04	1.18673E-03	6.81898E-04	2.90896E-02	1.40652E-04	1.38981E-03
59	4.51407E-04	4.19764E-04	1.76651E-04	1.18561E-03	6.81428E-04	2.90599E-02	1.40620E-04	1.38935E-03
60	4.51033E-04	4.19349E-04	1.76466E-04	1.18448E-03	6.80951E-04	2.90299E-02	1.40587E-04	1.38888E-03
61	4.50655E-04	4.18930E-04	1.76279E-04	1.18333E-03	6.80470E-04	2.89996E-02	1.40555E-04	1.38840E-03
62	4.50273E-04	4.18506E-04	1.76090E-04	1.18218E-03	6.79983E-04	2.89689E-02	1.40521E-04	1.38792E-03
63	3.48676E-06	3.86637E-06	1.72328E-06	1.05463E-05	4.43946E-06	2.79664E-04	3.03290E-07	4.37417E-06
64	3.09827E-06	3.43558E-06	1.53126E-06	9.37126E-06	3.94482E-06	2.48504E-04	2.69498E-07	3.88680E-06
65	2.71016E-06	3.00522E-06	1.33945E-06	8.19735E-06	3.45066E-06	2.17375E-04	2.35739E-07	3.39992E-06
66	2.32236E-06	2.57520E-06	1.14779E-06	7.02438E-06	2.95691E-06	1.86270E-04	2.02007E-07	2.91342E-06
67	1.93488E-06	2.14553E-06	9.56281E-07	5.85237E-06	2.46355E-06	1.55191E-04	1.68301E-07	2.42732E-06
68	1.54761E-06	1.71610E-06	7.64878E-07	4.68100E-06	1.97047E-06	1.24129E-04	1.34615E-07	1.94149E-06
69	1.16055E-06	1.28690E-06	5.73584E-07	3.51029E-06	1.47765E-06	9.30847E-05	1.00948E-07	1.45592E-06
70	7.73618E-07	8.57845E-07	3.82349E-07	2.33995E-06	9.84999E-07	6.20500E-05	6.72920E-08	9.70512E-07
71	3.86787E-07	4.28897E-07	1.91164E-07	1.16990E-06	4.92471E-07	3.10232E-05	3.36441E-08	4.85227E-07
72	0.	0.	0.	0.	0.	0.	0.	0.

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXVI. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
1	1.91866E-02	7.31689E-03	1.07661E-02	3.94164E-02	4.57994E-02
2	1.91771E-02	7.31344E-03	1.07653E-02	3.84044E-02	4.57875E-02
3	1.91675E-02	7.30995E-03	1.07644E-02	3.83924E-02	4.57754E-02
4	1.91578E-02	7.30643E-03	1.07636E-02	3.83801E-02	4.57632E-02
5	1.91480E-02	7.30287E-03	1.07627E-02	3.83678E-02	4.57508E-02
6	1.91381E-02	7.29926E-03	1.07619E-02	3.83553E-02	4.57383E-02
7	1.91281E-02	7.29562E-03	1.07610E-02	3.83427E-02	4.57256E-02
8	1.91179E-02	7.29194E-03	1.07601E-02	3.83299E-02	4.57129E-02
9	1.91077E-02	7.28822E-03	1.07592E-02	3.83170E-02	4.56999E-02
10	1.90973E-02	7.28445E-03	1.07583E-02	3.83040E-02	4.56869E-02
11	1.90868E-02	7.28064E-03	1.07574E-02	3.82908E-02	4.56737E-02
12	1.90762E-02	7.27678E-03	1.07564E-02	3.82774E-02	4.56603E-02
13	1.90655E-02	7.27290E-03	1.07555E-02	3.82639E-02	4.56468E-02
14	1.90547E-02	7.26896E-03	1.07545E-02	3.82503E-02	4.56331E-02
15	1.90437E-02	7.26498E-03	1.07536E-02	3.82365E-02	4.56193E-02
16	1.90326E-02	7.26094E-03	1.07526E-02	3.82226E-02	4.56054E-02
17	1.90214E-02	7.25688E-03	1.07516E-02	3.82085E-02	4.55912E-02
18	1.90101E-02	7.25277E-03	1.07506E-02	3.81942E-02	4.55770E-02
19	1.89986E-02	7.24861E-03	1.07496E-02	3.81798E-02	4.55625E-02
20	1.89871E-02	7.24442E-03	1.07486E-02	3.81653E-02	4.55480E-02
21	1.89753E-02	7.24014E-03	1.07476E-02	3.81505E-02	4.55332E-02
22	1.89635E-02	7.23584E-03	1.07465E-02	3.81356E-02	4.55182E-02
23	1.89515E-02	7.23149E-03	1.07455E-02	3.81205E-02	4.55032E-02
24	1.89394E-02	7.22709E-03	1.07444E-02	3.81053E-02	4.54879E-02
25	1.89272E-02	7.22264E-03	1.07434E-02	3.80898E-02	4.54724E-02
26	1.89148E-02	7.21814E-03	1.07423E-02	3.80743E-02	4.54568E-02
27	1.89023E-02	7.21361E-03	1.07412E-02	3.80585E-02	4.54411E-02
28	1.88896E-02	7.20900E-03	1.07401E-02	3.80426E-02	4.54251E-02
29	1.88768E-02	7.20436E-03	1.07389E-02	3.80265E-02	4.54090E-02
30	1.88639E-02	7.19966E-03	1.07378E-02	3.80102E-02	4.53927E-02
31	1.88508E-02	7.19490E-03	1.07367E-02	3.79937E-02	4.53762E-02
32	1.88376E-02	7.19010E-03	1.07355E-02	3.79771E-02	4.53595E-02
33	1.88242E-02	7.18524E-03	1.07343E-02	3.79602E-02	4.53426E-02
34	1.88106E-02	7.18031E-03	1.07331E-02	3.79432E-02	4.53256E-02
35	1.87970E-02	7.17536E-03	1.07319E-02	3.79260E-02	4.53084E-02
36	1.87831E-02	7.17033E-03	1.07307E-02	3.79086E-02	4.52909E-02
37	1.87692E-02	7.16525E-03	1.07295E-02	3.78910E-02	4.52733E-02
38	1.87550E-02	7.16012E-03	1.07283E-02	3.78732E-02	4.52555E-02
39	1.87407E-02	7.15492E-03	1.07270E-02	3.78552E-02	4.52375E-02
40	1.87263E-02	7.14967E-03	1.07257E-02	3.78370E-02	4.52192E-02

TABLE XXVI. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
41	1.87116E-02	7.14435E-03	1.07244E-02	3.78186E-02	4.52008E-02
42	1.86969E-02	7.13899E-03	1.07232E-02	3.78000E-02	4.51822E-02
43	1.86819E-02	7.13355E-03	1.07218E-02	3.77812E-02	4.51634E-02
44	1.86668E-02	7.12807E-03	1.07205E-02	3.77622E-02	4.51443E-02
45	1.86515E-02	7.12252E-03	1.07192E-02	3.77429E-02	4.51250E-02
46	1.86361E-02	7.11691E-03	1.07178E-02	3.77235E-02	4.51056E-02
47	1.86205E-02	7.11123E-03	1.07164E-02	3.77038E-02	4.50859E-02
48	1.86046E-02	7.10548E-03	1.07151E-02	3.76839E-02	4.50660E-02
49	1.85887E-02	7.09968E-03	1.07137E-02	3.76638E-02	4.50459E-02
50	1.85725E-02	7.09382E-03	1.07122E-02	3.76435E-02	4.50255E-02
51	1.85562E-02	7.08790E-03	1.07108E-02	3.76230E-02	4.50049E-02
52	1.85397E-02	7.08190E-03	1.07094E-02	3.76022E-02	4.49841E-02
53	1.85230E-02	7.07582E-03	1.07079E-02	3.75812E-02	4.49630E-02
54	1.85061E-02	7.06970E-03	1.07064E-02	3.75599E-02	4.49418E-02
55	1.84890E-02	7.06349E-03	1.07049E-02	3.75384E-02	4.49202E-02
56	1.84718E-02	7.05722E-03	1.07034E-02	3.75167E-02	4.48985E-02
57	1.84543E-02	7.05089E-03	1.07019E-02	3.74947E-02	4.48765E-02
58	1.84367E-02	7.04448E-03	1.07003E-02	3.74725E-02	4.48542E-02
59	1.84188E-02	7.03799E-03	1.06988E-02	3.74501E-02	4.48318E-02
60	1.84008E-02	7.03144E-03	1.06972E-02	3.74273E-02	4.48090E-02
61	1.83825E-02	7.02481E-03	1.06956E-02	3.74044E-02	4.47860E-02
62	1.83641E-02	7.01810E-03	1.06940E-02	3.73812E-02	4.47628E-02
63	1.68260E-04	6.11212E-05	1.47632E-05	2.11771E-04	2.12072E-04
64	1.49513E-04	5.43111E-05	1.31183E-05	1.88175E-04	1.89442E-04
65	1.30784E-04	4.75076E-05	1.14750E-05	1.64603E-04	1.64837E-04
66	1.12070E-04	4.07097E-05	9.83305E-06	1.41050E-04	1.41250E-04
67	9.33714E-05	3.39174E-05	8.19241E-06	1.17516E-04	1.17683E-04
68	7.46829E-05	2.71287E-05	6.55268E-06	9.39946E-05	9.41284E-05
69	5.60047E-05	2.03439E-05	4.91387E-06	7.04968E-05	7.05870E-05
70	3.73326E-05	1.35611E-05	3.27557E-06	4.69862E-05	4.70530E-05
71	1.86652E-05	6.78018E-06	1.63769E-06	2.34918E-05	2.35252E-05
72	0.	0.	0.	0.	0.

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXVII. GAMMA-RAY SOURCE DATA FOR 3.2PPM URANIUM SCURCE IN SANDSTONE ORE BODY: DIRT
OVERBURDEN LAYER 3

G = ENERGY GROUP NUMBER; INT.= SPATIAL INTERVAL NUMBER

(photons/cm³ sec)

Ø DISTRIBUTED SOURCE - G=GROUP NO.

N= Ø

Ø INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.56465E-05	1.26197E-03	2.78485E-06	3.11015E-05	5.70735E-03	5.63982E-05	4.66098E-04	1.77868E-02
2	2.56327E-05	1.26129E-03	2.78335E-06	3.10847E-05	5.70428E-03	5.63714E-05	4.65853E-04	1.77772E-02
3	2.56188E-05	1.26060E-03	2.78183E-06	3.10678E-05	5.70118E-03	5.63442E-05	4.65606E-04	1.77676E-02
4	2.56046E-05	1.25991E-03	2.78030E-06	3.10507E-05	5.69804E-03	5.63168E-05	4.65356E-04	1.77578E-02
5	2.55904E-05	1.25920E-03	2.77875E-06	3.10334E-05	5.69486E-03	5.62889E-05	4.65103E-04	1.77479E-02
6	2.55759E-05	1.25849E-03	2.77718E-06	3.10159E-05	5.69165E-03	5.62608E-05	4.64847E-04	1.77379E-02
7	2.55613E-05	1.25778E-03	2.77560E-06	3.09982E-05	5.68840E-03	5.62325E-05	4.64589E-04	1.77278E-02
8	2.55466E-05	1.25705E-03	2.77400E-06	3.09803E-05	5.68512E-03	5.62037E-05	4.64327E-04	1.77176E-02
9	2.55317E-05	1.25632E-03	2.77238E-06	3.09622E-05	5.68180E-03	5.61748E-05	4.64063E-04	1.77073E-02
10	2.55166E-05	1.25557E-03	2.77074E-06	3.09439E-05	5.67844E-03	5.61454E-05	4.63796E-04	1.76969E-02
11	2.55013E-05	1.25482E-03	2.76908E-06	3.09254E-05	5.67505E-03	5.61156E-05	4.63526E-04	1.76863E-02
12	2.54859E-05	1.25406E-03	2.76741E-06	3.09067E-05	5.67161E-03	5.60857E-05	4.63253E-04	1.76756E-02
13	2.54703E-05	1.25330E-03	2.76572E-06	3.08878E-05	5.66814E-03	5.60553E-05	4.62977E-04	1.76648E-02
14	2.54545E-05	1.25252E-03	2.76400E-06	3.08687E-05	5.66463E-03	5.60247E-05	4.62697E-04	1.76539E-02
15	2.54386E-05	1.25174E-03	2.76227E-06	3.08493E-05	5.66109E-03	5.59936E-05	4.62415E-04	1.76429E-02
16	2.54225E-05	1.25094E-03	2.76052E-06	3.08298E-05	5.65750E-03	5.59623E-05	4.62129E-04	1.76317E-02
17	2.54062E-05	1.25014E-03	2.75875E-06	3.08100E-05	5.65387E-03	5.59305E-05	4.61840E-04	1.76205E-02
18	2.53897E-05	1.24933E-03	2.75696E-06	3.07900E-05	5.65020E-03	5.58984E-05	4.61548E-04	1.76090E-02
19	2.53730E-05	1.24851E-03	2.75515E-06	3.07698E-05	5.64649E-03	5.58660E-05	4.61253E-04	1.75975E-02
20	2.53563E-05	1.24768E-03	2.75333E-06	3.07495E-05	5.64276E-03	5.58334E-05	4.60956E-04	1.75859E-02
21	2.53391E-05	1.24684E-03	2.75147E-06	3.07287E-05	5.63895E-03	5.58000E-05	4.60653E-04	1.75741E-02
22	2.53219E-05	1.24599E-03	2.74960E-06	3.07078E-05	5.63512E-03	5.57665E-05	4.60348E-04	1.75621E-02
23	2.53045E-05	1.24514E-03	2.74771E-06	3.06867E-05	5.63124E-03	5.57327E-05	4.60039E-04	1.75501E-02
24	2.52869E-05	1.24427E-03	2.74580E-06	3.06653E-05	5.62732E-03	5.56984E-05	4.59727E-04	1.75379E-02
25	2.52691E-05	1.24339E-03	2.74386E-06	3.06437E-05	5.62335E-03	5.56637E-05	4.59411E-04	1.75255E-02
26	2.52510E-05	1.24251E-03	2.74191E-06	3.06219E-05	5.61935E-03	5.56286E-05	4.59092E-04	1.75131E-02
27	2.52328E-05	1.24161E-03	2.73993E-06	3.05998E-05	5.61529E-03	5.55931E-05	4.58770E-04	1.75005E-02
28	2.52144E-05	1.24070E-03	2.73793E-06	3.05775E-05	5.61119E-03	5.55574E-05	4.58443E-04	1.74877E-02
29	2.51958E-05	1.23979E-03	2.73591E-06	3.05549E-05	5.60705E-03	5.55211E-05	4.58114E-04	1.74749E-02
30	2.51770E-05	1.23886E-03	2.73387E-06	3.05321E-05	5.60286E-03	5.54844E-05	4.57780E-04	1.74618E-02
31	2.51579E-05	1.23792E-03	2.73180E-06	3.05090E-05	5.59863E-03	5.54475E-05	4.57443E-04	1.74486E-02
32	2.51387E-05	1.23698E-03	2.72971E-06	3.04856E-05	5.59434E-03	5.54100E-05	4.57102E-04	1.74353E-02
33	2.51192E-05	1.23602E-03	2.72760E-06	3.04620E-05	5.59001E-03	5.53720E-05	4.56757E-04	1.74219E-02
34	2.50995E-05	1.23505E-03	2.72546E-06	3.04382E-05	5.58563E-03	5.53337E-05	4.56408E-04	1.74082E-02
35	2.50796E-05	1.23407E-03	2.72330E-06	3.04140E-05	5.58120E-03	5.52951E-05	4.56056E-04	1.73945E-02
36	2.50595E-05	1.23308E-03	2.72111E-06	3.03896E-05	5.57672E-03	5.52558E-05	4.55699E-04	1.73805E-02
37	2.50392E-05	1.23208E-03	2.71891E-06	3.03650E-05	5.57220E-03	5.52164E-05	4.55339E-04	1.73665E-02
38	2.50186E-05	1.23107E-03	2.71667E-06	3.03400E-05	5.56762E-03	5.51763E-05	4.54975E-04	1.73522E-02
39	2.49978E-05	1.23005E-03	2.71441E-06	3.03148E-05	5.56299E-03	5.51358E-05	4.54606E-04	1.73378E-02
40	2.49768E-05	1.22901E-03	2.71213E-06	3.02893E-05	5.55831E-03	5.50948E-05	4.54234E-04	1.73233E-02

TABLE XXVII. (Continued)

(photons/cm ³ sec)									
DISTRIBUTED SOURCE - G=GROUP NO. N= 0									
0 INT	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	2.49555E-05	1.22796E-03	2.70982E-06	3.02635E-05	5.55358E-03	5.50534E-05	4.53857E-04	1.73086E-02	
42	2.49340E-05	1.22691E-03	2.70749E-06	3.02374E-05	5.54879E-03	5.50117E-05	4.53476E-04	1.72937E-02	
43	2.49122E-05	1.22584E-03	2.70512E-06	3.02110E-05	5.54395E-03	5.49692E-05	4.53091E-04	1.72786E-02	
44	2.48902E-05	1.22475E-03	2.70274E-06	3.01844E-05	5.53905E-03	5.49265E-05	4.52701E-04	1.72634E-02	
45	2.48680E-05	1.22366E-03	2.70032E-06	3.01574E-05	5.53411E-03	5.48832E-05	4.52307E-04	1.72480E-02	
46	2.48455E-05	1.22255E-03	2.69788E-06	3.01301E-05	5.52911E-03	5.48394E-05	4.51909E-04	1.72325E-02	
47	2.48228E-05	1.22143E-03	2.69542E-06	3.01026E-05	5.52405E-03	5.47953E-05	4.51506E-04	1.72167E-02	
48	2.47998E-05	1.22030E-03	2.69292E-06	3.00747E-05	5.51893E-03	5.47505E-05	4.51099E-04	1.72008E-02	
49	2.47766E-05	1.21916E-03	2.69040E-06	3.00465E-05	5.51376E-03	5.47052E-05	4.50688E-04	1.71847E-02	
50	2.47531E-05	1.21800E-03	2.68785E-06	3.00180E-05	5.50853E-03	5.46596E-05	4.50271E-04	1.71685E-02	
51	2.47293E-05	1.21683E-03	2.68527E-06	2.99892E-05	5.50324E-03	5.46134E-05	4.49850E-04	1.71520E-02	
52	2.47053E-05	1.21565E-03	2.68266E-06	2.99600E-05	5.49789E-03	5.45666E-05	4.49425E-04	1.71354E-02	
53	2.46810E-05	1.21446E-03	2.68002E-06	2.99306E-05	5.49249E-03	5.45193E-05	4.48995E-04	1.71186E-02	
54	2.46564E-05	1.21325E-03	2.67735E-06	2.99008E-05	5.48702E-03	5.44714E-05	4.48559E-04	1.71016E-02	
55	2.46316E-05	1.21203E-03	2.67466E-06	2.98707E-05	5.48150E-03	5.44231E-05	4.48120E-04	1.70844E-02	
56	2.46065E-05	1.21079E-03	2.67193E-06	2.98402E-05	5.47591E-03	5.43743E-05	4.47674E-04	1.70670E-02	
57	2.45811E-05	1.20954E-03	2.66917E-06	2.98094E-05	5.47026E-03	5.43248E-05	4.47225E-04	1.70494E-02	
58	3.58607E-07	1.76458E-05	3.89344E-08	4.34882E-07	7.93042E-05	6.97860E-07	6.35246E-06	2.48179E-04	
59	3.32808E-07	1.63762E-05	3.61334E-08	4.03596E-07	7.40630E-05	6.47655E-07	5.89546E-06	2.30325E-04	
60	3.07051E-07	1.51098E-05	3.33369E-08	3.72360E-07	6.83310E-05	5.97531E-07	5.43919E-06	2.12499E-04	
61	2.81332E-07	1.38433E-05	3.05446E-08	3.41171E-07	6.26075E-05	5.47481E-07	4.98360E-06	1.94699E-04	
62	2.55647E-07	1.25794E-05	2.77559E-08	3.10022E-07	5.68916E-05	4.97497E-07	4.52859E-06	1.76923E-04	
63	2.29992E-07	1.13170E-05	2.49706E-08	2.78911E-07	5.11823E-05	4.47571E-07	4.07414E-06	1.59169E-04	
64	2.04366E-07	1.00561E-05	2.21883E-08	2.47835E-07	4.54795E-05	3.97703E-07	3.62020E-06	1.41434E-04	
65	1.78766E-07	8.79642E-06	1.94089E-08	2.16790E-07	3.97825E-05	3.47884E-07	3.16671E-06	1.23717E-04	
66	1.53186E-07	7.53773E-06	1.66317E-08	1.85769E-07	3.40900E-05	2.98105E-07	2.71359E-06	1.06014E-04	
67	1.27627E-07	6.28007E-06	1.38566E-08	1.54773E-07	2.84021E-05	2.48367E-07	2.26083E-06	8.83260E-05	
68	1.02082E-07	5.02311E-06	1.10832E-08	1.23795E-07	2.27174E-05	1.98656E-07	1.80832E-06	7.06475E-05	
69	7.65516E-08	3.76692E-06	8.31132E-09	9.28341E-08	1.70358E-05	1.48971E-07	1.35605E-06	5.29785E-05	
70	5.10290E-08	2.51095E-06	5.54029E-09	6.18827E-08	1.13559E-05	9.93040E-08	9.03941E-07	3.53152E-05	
71	2.55131E-08	1.25540E-06	2.76999E-09	3.09396E-08	5.67767E-06	4.96492E-08	4.51945E-07	1.76567E-05	
72	0.	0.	0.	0.	0.	0.	0.	0.	
INT. 73 THRU INT. 168 SAME AS ABOVE									

TABLE XXVII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 8								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	9.37970E-04	1.14631E-03	6.43706E-04	1.81077E-03	7.01265E-03	2.17473E-07	2.11278E-04	6.05424E-03
2	9.37466E-04	1.14570E-03	6.43368E-04	1.80980E-03	7.00890E-03	2.17473E-07	2.11169E-04	6.05098E-03
3	9.36957E-04	1.14508E-03	6.43026E-04	1.80881E-03	7.00508E-03	2.17473E-07	2.11058E-04	6.04769E-03
4	9.36442E-04	1.14445E-03	6.42681E-04	1.80782E-03	7.00124E-03	2.17473E-07	2.10947E-04	6.04436E-03
5	9.35921E-04	1.14382E-03	6.42331E-04	1.80681E-03	6.99735E-03	2.17473E-07	2.10834E-04	6.04100E-03
6	9.35394E-04	1.14317E-03	6.41978E-04	1.80580E-03	6.99341E-03	2.17473E-07	2.10720E-04	6.03759E-03
7	9.34861E-04	1.14253E-03	6.41621E-04	1.80477E-03	6.98943E-03	2.17473E-07	2.10605E-04	6.03415E-03
8	9.34322E-04	1.14187E-03	6.41260E-04	1.80373E-03	6.98541E-03	2.17473E-07	2.10488E-04	6.03068E-03
9	9.33778E-04	1.14121E-03	6.40895E-04	1.80269E-03	6.98134E-03	2.17473E-07	2.10370E-04	6.02715E-03
10	9.33227E-04	1.14054E-03	6.40526E-04	1.80161E-03	6.97723E-03	2.17473E-07	2.10251E-04	6.02359E-03
11	9.32670E-04	1.13986E-03	6.40152E-04	1.80054E-03	6.97307E-03	2.17473E-07	2.10130E-04	6.02000E-03
12	9.32107E-04	1.13917E-03	6.39775E-04	1.79945E-03	6.96886E-03	2.17473E-07	2.10008E-04	6.01636E-03
13	9.31538E-04	1.13848E-03	6.39393E-04	1.79835E-03	6.96461E-03	2.17473E-07	2.09885E-04	6.01268E-03
14	9.30962E-04	1.13778E-03	6.39007E-04	1.79724E-03	6.96031E-03	2.17473E-07	2.09760E-04	6.00996E-03
15	9.30380E-04	1.13707E-03	6.38617E-04	1.79612E-03	6.95596E-03	2.17473E-07	2.09634E-04	6.00520E-03
16	9.29791E-04	1.13635E-03	6.38222E-04	1.79499E-03	6.95157E-03	2.17473E-07	2.09507E-04	6.00140E-03
17	9.29197E-04	1.13563E-03	6.37823E-04	1.79383E-03	6.94712E-03	2.17473E-07	2.09378E-04	5.99755E-03
18	9.28595E-04	1.13490E-03	6.37420E-04	1.79267E-03	6.94263E-03	2.17473E-07	2.09248E-04	5.99366E-03
19	9.27986E-04	1.13416E-03	6.37012E-04	1.79150E-03	6.93807E-03	2.17473E-07	2.09116E-04	5.98973E-03
20	9.27375E-04	1.13341E-03	6.36602E-04	1.79032E-03	6.93351E-03	2.17473E-07	2.08984E-04	5.98578E-03
21	9.26749E-04	1.13265E-03	6.36182E-04	1.78911E-03	6.92884E-03	2.17473E-07	2.08848E-04	5.98174E-03
22	9.26120E-04	1.13188E-03	6.35761E-04	1.78789E-03	6.92413E-03	2.17473E-07	2.08712E-04	5.97768E-03
23	9.25484E-04	1.13111E-03	6.35334E-04	1.78667E-03	6.91938E-03	2.17473E-07	2.08574E-04	5.97357E-03
24	9.24840E-04	1.13033E-03	6.34903E-04	1.78542E-03	6.91457E-03	2.17473E-07	2.08435E-04	5.96941E-03
25	9.24190E-04	1.12954E-03	6.34467E-04	1.78417E-03	6.90972E-03	2.17473E-07	2.08294E-04	5.96521E-03
26	9.23532E-04	1.12873E-03	6.34026E-04	1.78290E-03	6.90491E-03	2.17473E-07	2.08152E-04	5.96096E-03
27	9.22868E-04	1.12793E-03	6.33580E-04	1.78162E-03	6.89984E-03	2.17473E-07	2.08008E-04	5.95666E-03
28	9.22195E-04	1.12711E-03	6.33130E-04	1.78032E-03	6.89483E-03	2.17473E-07	2.07862E-04	5.95232E-03
29	9.21516E-04	1.12628E-03	6.32674E-04	1.77901E-03	6.88975E-03	2.17473E-07	2.07715E-04	5.94793E-03
30	9.20828E-04	1.12544E-03	6.32212E-04	1.77768E-03	6.88462E-03	2.17473E-07	2.07566E-04	5.94349E-03
31	9.20133E-04	1.12460E-03	6.31747E-04	1.77634E-03	6.87942E-03	2.17473E-07	2.07416E-04	5.93900E-03
32	9.19431E-04	1.12374E-03	6.31276E-04	1.77498E-03	6.87417E-03	2.17473E-07	2.07264E-04	5.93446E-03
33	9.18720E-04	1.12288E-03	6.30800E-04	1.77361E-03	6.86887E-03	2.17473E-07	2.07110E-04	5.92996E-03
34	9.18002E-04	1.12200E-03	6.30317E-04	1.77222E-03	6.86349E-03	2.17473E-07	2.06954E-04	5.92523E-03
35	9.17275E-04	1.12112E-03	6.29831E-04	1.77082E-03	6.85807E-03	2.17473E-07	2.06797E-04	5.92053E-03
36	9.16540E-04	1.12022E-03	6.29338E-04	1.76940E-03	6.85259E-03	2.17473E-07	2.06638E-04	5.91578E-03
37	9.15798E-04	1.11932E-03	6.28841E-04	1.76797E-03	6.84704E-03	2.17473E-07	2.06477E-04	5.91099E-03
38	9.15047E-04	1.11840E-03	6.28337E-04	1.76652E-03	6.84142E-03	2.17473E-07	2.06314E-04	5.90613E-03
39	9.14287E-04	1.11748E-03	6.27828E-04	1.76505E-03	6.83575E-03	2.17473E-07	2.06150E-04	5.90123E-03
40	9.13520E-04	1.11654E-03	6.27313E-04	1.76357E-03	6.83001E-03	2.17473E-07	2.05984E-04	5.89627E-03

TABLE XXVII. (Continued)

(photons/cm ³ sec)									
0 DISTRIBUTED SOURCE - G=GROUP NO.	N= 8								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	9.12743E-04	1.11560E-03	6.26792E-04	1.76207E-03	6.82421E-03	2.17473E-07	2.05815E-04	5.89125E-03	
42	9.11958E-04	1.11464E-03	6.26266E-04	1.76056E-03	6.81835E-03	2.17473E-07	2.05646E-04	5.88518E-03	
43	9.11164E-04	1.11368E-03	6.25733E-04	1.75902E-03	6.81242E-03	2.17473E-07	2.05474E-04	5.88104E-03	
44	9.10361E-04	1.11270E-03	6.25195E-04	1.75747E-03	6.80643E-03	2.17473E-07	2.05300E-04	5.87586E-03	
45	9.09549E-04	1.11171E-03	6.24651E-04	1.75591E-03	6.80036E-03	2.17473E-07	2.05124E-04	5.87062E-03	
46	9.08729E-04	1.11071E-03	6.24101E-04	1.75432E-03	6.79424E-03	2.17473E-07	2.04946E-04	5.86532E-03	
47	9.07899E-04	1.10970E-03	6.23545E-04	1.75272E-03	6.78803E-03	2.17473E-07	2.04767E-04	5.85995E-03	
48	9.07060E-04	1.10868E-03	6.22981E-04	1.75110E-03	6.78176E-03	2.17473E-07	2.04585E-04	5.85453E-03	
49	9.06211E-04	1.10765E-03	6.22413E-04	1.74946E-03	6.77542E-03	2.17473E-07	2.04401E-04	5.84905E-03	
50	9.05354E-04	1.10660E-03	6.21838E-04	1.74781E-03	6.76902E-03	2.17473E-07	2.04216E-04	5.84351E-03	
51	9.04486E-04	1.10555E-03	6.21257E-04	1.74613E-03	6.76255E-03	2.17473E-07	2.04028E-04	5.83790E-03	
52	9.03608E-04	1.10449E-03	6.20668E-04	1.74444E-03	6.75595E-03	2.17473E-07	2.03838E-04	5.83223E-03	
53	9.02722E-04	1.10340E-03	6.20074E-04	1.74273E-03	6.74937E-03	2.17473E-07	2.03646E-04	5.82651E-03	
54	9.01825E-04	1.10231E-03	6.19472E-04	1.74099E-03	6.74266E-03	2.17473E-07	2.03452E-04	5.82071E-03	
55	9.00919E-04	1.10121E-03	6.18865E-04	1.73924E-03	6.73589E-03	2.17473E-07	2.03255E-04	5.81485E-03	
56	9.00002E-04	1.10009E-03	6.18250E-04	1.73747E-03	6.72904E-03	2.17473E-07	2.03057E-04	5.80893E-03	
57	8.99074E-04	1.09896E-03	6.17628E-04	1.73569E-03	6.72211E-03	2.17473E-07	2.02856E-04	5.80294E-03	
58	1.30920E-05	1.59390E-05	8.77733E-06	2.52733E-05	9.77915E-05	0.	2.83470E-06	8.45856E-05	
59	1.21501E-05	1.47914E-05	8.14588E-06	2.34551E-05	9.07563E-05	0.	2.63077E-06	7.85004E-05	
60	1.12098E-05	1.36467E-05	7.51543E-06	2.16398E-05	8.37322E-05	0.	2.42716E-06	7.24249E-05	
61	1.02708E-05	1.25036E-05	6.89593E-06	1.98272E-05	7.67187E-05	0.	2.22386E-06	6.63586E-05	
62	9.33313E-06	1.13620E-05	6.25725E-06	1.80169E-05	6.97144E-05	0.	2.02083E-06	6.03002E-05	
63	8.39654E-06	1.02218E-05	5.62933E-06	1.62089E-05	6.27185E-05	0.	1.81804E-06	5.42488E-05	
64	7.46098E-06	9.08294E-06	5.00211E-06	1.44029E-05	5.57303E-05	0.	1.61547E-06	4.82044E-05	
65	6.52637E-06	7.94515E-06	4.37550E-06	1.25987E-05	4.87491E-05	0.	1.41310E-06	4.21660E-05	
66	5.59252E-06	6.80828E-06	3.74941E-06	1.07959E-05	4.17736E-05	0.	1.21090E-06	3.61325E-05	
67	4.65940E-06	5.67232E-06	3.12383E-06	8.99468E-06	3.48037E-05	0.	1.00836E-06	3.01038E-05	
68	3.72682E-06	4.53699E-06	2.43859E-06	7.19437E-06	2.79377E-05	0.	8.06936E-07	2.40785E-05	
69	2.79474E-06	3.40229E-06	1.87369E-06	5.39506E-06	2.08755E-05	0.	6.05122E-07	1.80565E-05	
70	1.86296E-06	2.26795E-06	1.24899E-06	3.59632E-06	1.39155E-05	0.	4.03371E-07	1.20363E-05	
71	9.31429E-07	1.13391E-06	6.24462E-07	1.79807E-06	6.95736E-06	0.	2.01675E-07	6.01784E-06	
72	0.	0.	0.	0.	0.	0.	0.	0.	
INT. 73 THRU INT. 168 SAME AS ABOVE									

TABLE XXVII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 16								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	4.98634E-04	1.38497E-02	6.50263E-04	5.47096E-04	4.00832E-05	3.11894E-04	2.67582E-03	0.
2	4.98376E-04	1.38423E-02	6.49923E-04	5.47079E-04	4.00682E-05	3.11726E-04	2.67442E-03	0.
3	4.98115E-04	1.38347E-02	6.49579E-04	5.47063E-04	4.00530E-05	3.11557E-04	2.67300E-03	0.
4	4.97850E-04	1.38271E-02	6.49232E-04	5.47046E-04	4.00376E-05	3.11385E-04	2.67157E-03	0.
5	4.97583E-04	1.38194E-02	6.48880E-04	5.47029E-04	4.00221E-05	3.11212E-04	2.67012E-03	0.
6	4.97313E-04	1.38116E-02	6.48525E-04	5.47012E-04	4.00064E-05	3.11036E-04	2.66865E-03	0.
7	4.97039E-04	1.38038E-02	6.48165E-04	5.46994E-04	3.99905E-05	3.10859E-04	2.66717E-03	0.
8	4.96763E-04	1.37958E-02	6.47802E-04	5.46977E-04	3.99744E-05	3.10679E-04	2.66567E-03	0.
9	4.96484E-04	1.37877E-02	6.47434E-04	5.46959E-04	3.99582E-05	3.10498E-04	2.66416E-03	0.
10	4.96201E-04	1.37796E-02	6.47062E-04	5.46941E-04	3.99417E-05	3.10314E-04	2.66262E-03	0.
11	4.95915E-04	1.37714E-02	6.46687E-04	5.46923E-04	3.99251E-05	3.10129E-04	2.66107E-03	0.
12	4.95626E-04	1.37630E-02	6.46307E-04	5.46905E-04	3.99083E-05	3.09941E-04	2.65950E-03	0.
13	4.95334E-04	1.37546E-02	6.45923E-04	5.46886E-04	3.98914E-05	3.09752E-04	2.65792E-03	0.
14	4.95039E-04	1.37461E-02	6.45534E-04	5.46867E-04	3.98742E-05	3.09560E-04	2.65632E-03	0.
15	4.94741E-04	1.37375E-02	6.45141E-04	5.46848E-04	3.98568E-05	3.09366E-04	2.65470E-03	0.
16	4.94438E-04	1.37288E-02	6.44744E-04	5.46829E-04	3.98393E-05	3.09170E-04	2.65306E-03	0.
17	4.94133E-04	1.37200E-02	6.44343E-04	5.46810E-04	3.98215E-05	3.08972E-04	2.65141E-03	0.
18	4.93824E-04	1.37111E-02	6.43937E-04	5.46790E-04	3.98036E-05	3.08772E-04	2.64973E-03	0.
19	4.93512E-04	1.37021E-02	6.43526E-04	5.46770E-04	3.97854E-05	3.08569E-04	2.64804E-03	0.
20	4.93198E-04	1.36931E-02	6.43113E-04	5.46750E-04	3.97672E-05	3.08365E-04	2.64634E-03	0.
21	4.92877E-04	1.36838E-02	6.42691E-04	5.46730E-04	3.97485E-05	3.08157E-04	2.64460E-03	0.
22	4.92555E-04	1.36745E-02	6.42267E-04	5.46709E-04	3.97298E-05	3.07947E-04	2.64285E-03	0.
23	4.92223E-04	1.36651E-02	6.41838E-04	5.46689E-04	3.97108E-05	3.07736E-04	2.64108E-03	0.
24	4.91893E-04	1.36556E-02	6.41403E-04	5.46668E-04	3.96916E-05	3.07521E-04	2.63929E-03	0.
25	4.91564E-04	1.36460E-02	6.40965E-04	5.46646E-04	3.96722E-05	3.07305E-04	2.63748E-03	0.
26	4.91227E-04	1.36363E-02	6.40521E-04	5.46625E-04	3.96526E-05	3.07086E-04	2.63565E-03	0.
27	4.90886E-04	1.36265E-02	6.40072E-04	5.46603E-04	3.96328E-05	3.06864E-04	2.63380E-03	0.
28	4.90541E-04	1.36165E-02	6.39619E-04	5.46581E-04	3.96127E-05	3.06640E-04	2.63192E-03	0.
29	4.90193E-04	1.36065E-02	6.39160E-04	5.46559E-04	3.95924E-05	3.06414E-04	2.63003E-03	0.
30	4.89840E-04	1.35963E-02	6.38696E-04	5.46537E-04	3.95719E-05	3.06185E-04	2.62812E-03	0.
31	4.89483E-04	1.35860E-02	6.38227E-04	5.46514E-04	3.95512E-05	3.05954E-04	2.62619E-03	0.
32	4.89123E-04	1.35757E-02	6.37753E-04	5.46491E-04	3.95302E-05	3.05720E-04	2.62423E-03	0.
33	4.88758E-04	1.35651E-02	6.37273E-04	5.46468E-04	3.95090E-05	3.05483E-04	2.62225E-03	0.
34	4.88390E-04	1.35545E-02	6.36789E-04	5.46445E-04	3.94876E-05	3.05244E-04	2.62026E-03	0.
35	4.88017E-04	1.35438E-02	6.36298E-04	5.46421E-04	3.94659E-05	3.05002E-04	2.61823E-03	0.
36	4.87640E-04	1.35329E-02	6.35802E-04	5.46397E-04	3.94440E-05	3.04757E-04	2.61619E-03	0.
37	4.87259E-04	1.35220E-02	6.35301E-04	5.46373E-04	3.94219E-05	3.04510E-04	2.61412E-03	0.
38	4.86874E-04	1.35108E-02	6.34794E-04	5.46348E-04	3.93995E-05	3.04259E-04	2.61203E-03	0.
39	4.86484E-04	1.34996E-02	6.34282E-04	5.46324E-04	3.93768E-05	3.04007E-04	2.60992E-03	0.
40	4.86090E-04	1.34883E-02	6.33764E-04	5.46299E-04	3.93539E-05	3.03751E-04	2.60778E-03	0.

TABLE XXVII. (Continued)

(photons/cm ³ sec)									
0 DISTRIBUTED SOURCE - G=GROUP NO.	N= 16								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	4.85692E-04	1.34768E-02	6.33240E-04	5.46273E-04	3.93308E-05	3.03492E-04	2.60562E-03	0.	
42	4.85289E-04	1.34652E-02	6.32710E-04	5.46248E-04	3.93074E-05	3.03231E-04	2.60344E-03	0.	
43	4.84881E-04	1.34534E-02	6.32174E-04	5.46222E-04	3.92837E-05	3.02966E-04	2.60123E-03	0.	
44	4.84470E-04	1.34416E-02	6.31633E-04	5.46196E-04	3.92597E-05	3.02699E-04	2.59999E-03	0.	
45	4.84053E-04	1.34296E-02	6.31085E-04	5.46169E-04	3.92355E-05	3.02429E-04	2.59874E-03	0.	
46	4.83632E-04	1.34175E-02	6.30531E-04	5.46143E-04	3.92111E-05	3.02155E-04	2.59445E-03	0.	
47	4.83206E-04	1.34052E-02	6.29971E-04	5.46115E-04	3.91863E-05	3.01879E-04	2.59214E-03	0.	
48	4.82776E-04	1.33928E-02	6.29405E-04	5.46088E-04	3.91613E-05	3.01600E-04	2.58981E-03	0.	
49	4.82341E-04	1.33802E-02	6.28832E-04	5.46060E-04	3.91359E-05	3.01317E-04	2.58745E-03	0.	
50	4.81901E-04	1.33676E-02	6.28254E-04	5.46032E-04	3.91104E-05	3.01031E-04	2.58506E-03	0.	
51	4.81455E-04	1.33547E-02	6.27668E-04	5.46004E-04	3.90845E-05	3.00742E-04	2.58265E-03	0.	
52	4.81005E-04	1.33418E-02	6.27076E-04	5.45976E-04	3.90583E-05	3.00450E-04	2.58021E-03	0.	
53	4.80551E-04	1.33287E-02	6.26478E-04	5.45947E-04	3.90319E-05	3.00155E-04	2.57774E-03	0.	
54	4.80090E-04	1.33154E-02	6.25873E-04	5.45917E-04	3.90051E-05	2.99856E-04	2.57524E-03	0.	
55	4.79625E-04	1.33020E-02	6.25261E-04	5.45888E-04	3.89781E-05	2.99554E-04	2.57272E-03	0.	
56	4.79155E-04	1.32884E-02	6.24642E-04	5.45858E-04	3.89507E-05	2.99249E-04	2.57017E-03	0.	
57	4.78679E-04	1.32747E-02	6.24017E-04	5.45828E-04	3.89231E-05	2.98940E-04	2.56759E-03	0.	
58	6.71676E-06	1.93533E-04	8.83435E-06	4.26783E-07	3.90483E-07	4.36020E-06	3.64299E-05	0.	
59	6.23355E-06	1.79610E-04	8.19890E-06	3.96079E-07	3.62391E-07	4.04652E-06	3.38091E-05	0.	
60	5.75111E-06	1.65709E-04	7.56426E-06	3.65425E-07	3.34344E-07	3.73334E-06	3.11925E-05	0.	
61	5.26939E-06	1.51829E-04	6.93067E-06	3.34817E-07	3.06339E-07	3.42064E-06	2.85798E-05	0.	
62	4.78831E-06	1.37968E-04	6.29791E-06	3.04249E-07	2.78371E-07	3.10834E-06	2.59705E-05	0.	
63	4.30778E-06	1.24122E-04	5.66590E-06	2.73717E-07	2.50436E-07	2.79641E-06	2.33643E-05	0.	
64	3.82781E-06	1.10292E-04	5.03461E-06	2.43219E-07	2.22532E-07	2.48483E-06	2.07610E-05	0.	
65	3.34831E-06	9.64769E-05	4.40393E-06	2.12752E-07	1.94657E-07	2.17357E-06	1.81604E-05	0.	
66	2.86920E-06	8.26719E-05	3.77377E-06	1.82310E-07	1.68803E-07	1.86255E-06	1.55617E-05	0.	
67	2.39048E-06	6.88781E-05	3.14412E-06	1.51830E-07	1.38971E-07	1.55178E-06	1.29653E-05	0.	
68	1.91202E-06	5.50921E-05	2.51482E-06	1.21489E-07	1.11156E-07	1.24119E-06	1.03702E-05	0.	
69	1.43382E-06	4.13135E-05	1.88587E-06	9.11051E-08	8.33562E-08	9.30770E-07	7.77666E-06	0.	
70	9.55779E-07	2.75394E-05	1.25710E-06	6.07302E-08	5.55648E-08	6.20447E-07	5.18389E-06	0.	
71	4.77863E-07	1.37689E-05	6.28519E-07	3.03634E-08	2.77809E-08	3.10206E-07	2.59180E-06	0.	
72	0.	0.	0.	0.	0.	0.	0.	0.	
INT. 73 THRU INT. 168 SAME AS ABOVE									

TABLE XXVII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO.

N= 24

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.12364E-03	1.19215E-03	4.20537E-03	2.50333E-04	4.96359E-05	1.02930E-03	1.01206E-06	3.76358E-02
2	2.12265E-03	1.19153E-03	4.20322E-03	2.50236E-04	4.96092E-05	1.02880E-03	1.01206E-06	3.76156E-02
3	2.12164E-03	1.19090E-03	4.20104E-03	2.50139E-04	4.95822E-05	1.02830E-03	1.01206E-06	3.75951E-02
4	2.12062E-03	1.19026E-03	4.19883E-03	2.50040E-04	4.95549E-05	1.02779E-03	1.01206E-06	3.75744E-02
5	2.11959E-03	1.18962E-03	4.19660E-03	2.49941E-04	4.95273E-05	1.02727E-03	1.01206E-06	3.75535E-02
6	2.11855E-03	1.18897E-03	4.19435E-03	2.49840E-04	4.94994E-05	1.02674E-03	1.01206E-06	3.75323E-02
7	2.11750E-03	1.18832E-03	4.19207E-03	2.49738E-04	4.94712E-05	1.02621E-03	1.01206E-06	3.75109E-02
8	2.11644E-03	1.18765E-03	4.18977E-03	2.49635E-04	4.94427E-05	1.02568E-03	1.01206E-06	3.74893E-02
9	2.11536E-03	1.18698E-03	4.18744E-03	2.49531E-04	4.94139E-05	1.02514E-03	1.01206E-06	3.74674E-02
10	2.11427E-03	1.18630E-03	4.18508E-03	2.49425E-04	4.93847E-05	1.02459E-03	1.01206E-06	3.74453E-02
11	2.11317E-03	1.18562E-03	4.18270E-03	2.49319E-04	4.93552E-05	1.02404E-03	1.01206E-06	3.74229E-02
12	2.11206E-03	1.18492E-03	4.18028E-03	2.49211E-04	4.93254E-05	1.02349E-03	1.01206E-06	3.74003E-02
13	2.11094E-03	1.18422E-03	4.17785E-03	2.49102E-04	4.92952E-05	1.02291E-03	1.01206E-06	3.73774E-02
14	2.10980E-03	1.18351E-03	4.17539E-03	2.48992E-04	4.92647E-05	1.02234E-03	1.01206E-06	3.73543E-02
15	2.10865E-03	1.18280E-03	4.17290E-03	2.48881E-04	4.92339E-05	1.02176E-03	1.01206E-06	3.73309E-02
16	2.10749E-03	1.18207E-03	4.17038E-03	2.48769E-04	4.92027E-05	1.02118E-03	1.01206E-06	3.73072E-02
17	2.10631E-03	1.18134E-03	4.16783E-03	2.48654E-04	4.91712E-05	1.02058E-03	1.01206E-06	3.72833E-02
18	2.10512E-03	1.18060E-03	4.16526E-03	2.48539E-04	4.91394E-05	1.01999E-03	1.01206E-06	3.72592E-02
19	2.10392E-03	1.17985E-03	4.16266E-03	2.48423E-04	4.91071E-05	1.01938E-03	1.01206E-06	3.72347E-02
20	2.10271E-03	1.17909E-03	4.16004E-03	2.48306E-04	4.90747E-05	1.01877E-03	1.01206E-06	3.72101E-02
21	2.10148E-03	1.17832E-03	4.15736E-03	2.48186E-04	4.90416E-05	1.01815E-03	1.01206E-06	3.71850E-02
22	2.10024E-03	1.17755E-03	4.15467E-03	2.48066E-04	4.90083E-05	1.01753E-03	1.01206E-06	3.71598E-02
23	2.09899E-03	1.17676E-03	4.15195E-03	2.47944E-04	4.89746E-05	1.01689E-03	1.01206E-06	3.71342E-02
24	2.09771E-03	1.17597E-03	4.14920E-03	2.47821E-04	4.89405E-05	1.01626E-03	1.01206E-06	3.71083E-02
25	2.09642E-03	1.17517E-03	4.14641E-03	2.47697E-04	4.89061E-05	1.01561E-03	1.01206E-06	3.70822E-02
26	2.09513E-03	1.17436E-03	4.14360E-03	2.47571E-04	4.88713E-05	1.01496E-03	1.01206E-06	3.70558E-02
27	2.09381E-03	1.17354E-03	4.14076E-03	2.47444E-04	4.88361E-05	1.01429E-03	1.01206E-06	3.70291E-02
28	2.09248E-03	1.17271E-03	4.13788E-03	2.47315E-04	4.88005E-05	1.01363E-03	1.01206E-06	3.70021E-02
29	2.09114E-03	1.17187E-03	4.13497E-03	2.47185E-04	4.87645E-05	1.01295E-03	1.01206E-06	3.69743E-02
30	2.08979E-03	1.17103E-03	4.13203E-03	2.47054E-04	4.87281E-05	1.01227E-03	1.01206E-06	3.69472E-02
31	2.08841E-03	1.17017E-03	4.12906E-03	2.46921E-04	4.86913E-05	1.01159E-03	1.01206E-06	3.69192E-02
32	2.08703E-03	1.16930E-03	4.12606E-03	2.46786E-04	4.86541E-05	1.01089E-03	1.01206E-06	3.68910E-02
33	2.08562E-03	1.16843E-03	4.12301E-03	2.46650E-04	4.86164E-05	1.01017E-03	1.01206E-06	3.68625E-02
34	2.08420E-03	1.16754E-03	4.11994E-03	2.46513E-04	4.85784E-05	1.00946E-03	1.01206E-06	3.68336E-02
35	2.08277E-03	1.16665E-03	4.11683E-03	2.46374E-04	4.85399E-05	1.00874E-03	1.01206E-06	3.68044E-02
36	2.08132E-03	1.16574E-03	4.11369E-03	2.46233E-04	4.85010E-05	1.00801E-03	1.01206E-06	3.67749E-02
37	2.07985E-03	1.16483E-03	4.11051E-03	2.46091E-04	4.84617E-05	1.00727E-03	1.01206E-06	3.67451E-02
38	2.07837E-03	1.16390E-03	4.10730E-03	2.45947E-04	4.84219E-05	1.00652E-03	1.01206E-06	3.67149E-02
39	2.07687E-03	1.16297E-03	4.10405E-03	2.45802E-04	4.83817E-05	1.00577E-03	1.01206E-06	3.66844E-02
40	2.07535E-03	1.16202E-03	4.10076E-03	2.45655E-04	4.83410E-05	1.00500E-03	1.01206E-06	3.66535E-02

TABLE XXVII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO.

N= 24

INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	2.07382E-03	1.16106E-03	4.09744E-03	2.45507E-04	4.82999E-05	1.00423E-03	1.01206E-06	3.66223E-02
42	2.07227E-03	1.16010E-03	4.09409E-03	2.45357E-04	4.82583E-05	1.00345E-03	1.01206E-06	3.65908E-02
43	2.07070E-03	1.15912E-03	4.09068E-03	2.45205E-04	4.82163E-05	1.00266E-03	1.01206E-06	3.65589E-02
44	2.06911E-03	1.15813E-03	4.08725E-03	2.45051E-04	4.81738E-05	1.00186E-03	1.01206E-06	3.65266E-02
45	2.06751E-03	1.15713E-03	4.08378E-03	2.44896E-04	4.81308E-05	1.00106E-03	1.01206E-06	3.64940E-02
46	2.06589E-03	1.15612E-03	4.08027E-03	2.44739E-04	4.80873E-05	1.00024E-03	1.01206E-06	3.64611E-02
47	2.06425E-03	1.15509E-03	4.07672E-03	2.44580E-04	4.80434E-05	9.99420E-04	1.01206E-06	3.64277E-02
48	2.06259E-03	1.15406E-03	4.07313E-03	2.44420E-04	4.79990E-05	9.98586E-04	1.01206E-06	3.63940E-02
49	2.06092E-03	1.15302E-03	4.06950E-03	2.44257E-04	4.79540E-05	9.97744E-04	1.01206E-06	3.63599E-02
50	2.05922E-03	1.15196E-03	4.06583E-03	2.44093E-04	4.79096E-05	9.96891E-04	1.01206E-06	3.63255E-02
51	2.05751E-03	1.15089E-03	4.06211E-03	2.43927E-04	4.78626E-05	9.96029E-04	1.01206E-06	3.62906E-02
52	2.05578E-03	1.14981E-03	4.05836E-03	2.43759E-04	4.78162E-05	9.95157E-04	1.01206E-06	3.62554E-02
53	2.05403E-03	1.14872E-03	4.05457E-03	2.43590E-04	4.77693E-05	9.94276E-04	1.01206E-06	3.62198E-02
54	2.05225E-03	1.14761E-03	4.05073E-03	2.43418E-04	4.77217E-05	9.93384E-04	1.01206E-06	3.61837E-02
55	2.05046E-03	1.14649E-03	4.04686E-03	2.43245E-04	4.76737E-05	9.92483E-04	1.01206E-06	3.61473E-02
56	2.04865E-03	1.14536E-03	4.04293E-03	2.43069E-04	4.76252E-05	9.91572E-04	1.01206E-06	3.61105E-02
57	2.04682E-03	1.14422E-03	4.03896E-03	2.42892E-04	4.75761E-05	9.90651E-04	1.01206E-06	3.60732E-02
58	2.04505E-03	1.14308E-03	4.03509E-03	2.42715E-04	4.75270E-05	9.89730E-04	1.01206E-06	3.60359E-02
59	2.04326E-03	1.14193E-03	4.03122E-03	2.42538E-04	4.74779E-05	9.88809E-04	1.01206E-06	3.59986E-02
60	2.04147E-03	1.14078E-03	4.02735E-03	2.42361E-04	4.74288E-05	9.87888E-04	1.01206E-06	3.59613E-02
61	2.03968E-03	1.13963E-03	4.02348E-03	2.42184E-04	4.73797E-05	9.86967E-04	1.01206E-06	3.59240E-02
62	2.03789E-03	1.13848E-03	4.01961E-03	2.42007E-04	4.73306E-05	9.86046E-04	1.01206E-06	3.58867E-02
63	2.03610E-03	1.13733E-03	4.01574E-03	2.41830E-04	4.72815E-05	9.85125E-04	1.01206E-06	3.58494E-02
64	2.03431E-03	1.13618E-03	4.01187E-03	2.41653E-04	4.72324E-05	9.84204E-04	1.01206E-06	3.58121E-02
65	2.03252E-03	1.13503E-03	4.00800E-03	2.41476E-04	4.71833E-05	9.83283E-04	1.01206E-06	3.57748E-02
66	2.03073E-03	1.13388E-03	4.00413E-03	2.41299E-04	4.71342E-05	9.82362E-04	1.01206E-06	3.57375E-02
67	2.02894E-03	1.13273E-03	4.00026E-03	2.41122E-04	4.70851E-05	9.81441E-04	1.01206E-06	3.57002E-02
68	2.02715E-03	1.13158E-03	3.99639E-03	2.40945E-04	4.70360E-05	9.80520E-04	1.01206E-06	3.56629E-02
69	2.02536E-03	1.13043E-03	3.99252E-03	2.40768E-04	4.69869E-05	9.79599E-04	1.01206E-06	3.56256E-02
70	2.02357E-03	1.12928E-03	3.98865E-03	2.40591E-04	4.69378E-05	9.78678E-04	1.01206E-06	3.55883E-02
71	2.02178E-03	1.12813E-03	3.98478E-03	2.40414E-04	4.68887E-05	9.77757E-04	1.01206E-06	3.55510E-02
72	2.02000E-03	1.12698E-03	3.98091E-03	2.40237E-04	4.68396E-05	9.76836E-04	1.01206E-06	3.55137E-02

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXVII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 32

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	4.67193E-04	4.37268E-04	1.84452E-04	1.23335E-03	7.01526E-04	3.03260E-02	1.41993E-04	1.40915E-03
2	4.66995E-04	4.37049E-04	1.84355E-04	1.23275E-03	7.01274E-04	3.03102E-02	1.41976E-04	1.40890E-03
3	4.66795E-04	4.36827E-04	1.84256E-04	1.23215E-03	7.01020E-04	3.02941E-02	1.41958E-04	1.40865E-03
4	4.66592E-04	4.36602E-04	1.84156E-04	1.23154E-03	7.00762E-04	3.02779E-02	1.41941E-04	1.40840E-03
5	4.66388E-04	4.36375E-04	1.84054E-04	1.23092E-03	7.00501E-04	3.02615E-02	1.41923E-04	1.40814E-03
6	4.66180E-04	4.36146E-04	1.83952E-04	1.23029E-03	7.00238E-04	3.02448E-02	1.41905E-04	1.40788E-03
7	4.65971E-04	4.35914E-04	1.83849E-04	1.22966E-03	6.99971E-04	3.02281E-02	1.41887E-04	1.40762E-03
8	4.65759E-04	4.35679E-04	1.83744E-04	1.22902E-03	6.99702E-04	3.02111E-02	1.41868E-04	1.40735E-03
9	4.65545E-04	4.35442E-04	1.83638E-04	1.22837E-03	6.99429E-04	3.01939E-02	1.41850E-04	1.40708E-03
10	4.65329E-04	4.35202E-04	1.83531E-04	1.22772E-03	6.99154E-04	3.01766E-02	1.41831E-04	1.40681E-03
11	4.65110E-04	4.34959E-04	1.83423E-04	1.22705E-03	6.98875E-04	3.01590E-02	1.41812E-04	1.40654E-03
12	4.64889E-04	4.34714E-04	1.83314E-04	1.22639E-03	6.98593E-04	3.01413E-02	1.41793E-04	1.40626E-03
13	4.64665E-04	4.34466E-04	1.83203E-04	1.22571E-03	6.98309E-04	3.01233E-02	1.41773E-04	1.40598E-03
14	4.64439E-04	4.34215E-04	1.83092E-04	1.22502E-03	6.98021E-04	3.01052E-02	1.41754E-04	1.40570E-03
15	4.64211E-04	4.33962E-04	1.82979E-04	1.22433E-03	6.97730E-04	3.00869E-02	1.41734E-04	1.40541E-03
16	4.63979E-04	4.33705E-04	1.82864E-04	1.22363E-03	6.97435E-04	3.00683E-02	1.41714E-04	1.40512E-03
17	4.63746E-04	4.33446E-04	1.82749E-04	1.22293E-03	6.97137E-04	3.00496E-02	1.41693E-04	1.40483E-03
18	4.63509E-04	4.33184E-04	1.82632E-04	1.22221E-03	6.96836E-04	3.00306E-02	1.41673E-04	1.40453E-03
19	4.63270E-04	4.32919E-04	1.82514E-04	1.22149E-03	6.96532E-04	3.00114E-02	1.41652E-04	1.40423E-03
20	4.63030E-04	4.32652E-04	1.82395E-04	1.22076E-03	6.96226E-04	2.99922E-02	1.41631E-04	1.40393E-03
21	4.62784E-04	4.32380E-04	1.82274E-04	1.22002E-03	6.95913E-04	2.99724E-02	1.41610E-04	1.40362E-03
22	4.62537E-04	4.32106E-04	1.82151E-04	1.21927E-03	6.95599E-04	2.99526E-02	1.41588E-04	1.40331E-03
23	4.62287E-04	4.31829E-04	1.82028E-04	1.21852E-03	6.95280E-04	2.99326E-02	1.41566E-04	1.40300E-03
24	4.62034E-04	4.31548E-04	1.81903E-04	1.21775E-03	6.94959E-04	2.99123E-02	1.41544E-04	1.40268E-03
25	4.61779E-04	4.31265E-04	1.81777E-04	1.21698E-03	6.94633E-04	2.98918E-02	1.41522E-04	1.40236E-03
26	4.61520E-04	4.30978E-04	1.81649E-04	1.21620E-03	6.94304E-04	2.98711E-02	1.41500E-04	1.40203E-03
27	4.61259E-04	4.30689E-04	1.81520E-04	1.21541E-03	6.93972E-04	2.98501E-02	1.41477E-04	1.40171E-03
28	4.60995E-04	4.30396E-04	1.81389E-04	1.21461E-03	6.93635E-04	2.98289E-02	1.41454E-04	1.40138E-03
29	4.60728E-04	4.30100E-04	1.81257E-04	1.21380E-03	6.93296E-04	2.98075E-02	1.41431E-04	1.40104E-03
30	4.60458E-04	4.29800E-04	1.81124E-04	1.21298E-03	6.92952E-04	2.97859E-02	1.41407E-04	1.40070E-03
31	4.60185E-04	4.29498E-04	1.80989E-04	1.21216E-03	6.92604E-04	2.97640E-02	1.41383E-04	1.40036E-03
32	4.59909E-04	4.29191E-04	1.80853E-04	1.21132E-03	6.92252E-04	2.97418E-02	1.41359E-04	1.40001E-03
33	4.59630E-04	4.28882E-04	1.80715E-04	1.21048E-03	6.91897E-04	2.97194E-02	1.41335E-04	1.39966E-03
34	4.59347E-04	4.28569E-04	1.80575E-04	1.20962E-03	6.91537E-04	2.96968E-02	1.41311E-04	1.39931E-03
35	4.59062E-04	4.28252E-04	1.80434E-04	1.20876E-03	6.91174E-04	2.96739E-02	1.41286E-04	1.39895E-03
36	4.58773E-04	4.27932E-04	1.80291E-04	1.20789E-03	6.90807E-04	2.96507E-02	1.41261E-04	1.39859E-03
37	4.58482E-04	4.27609E-04	1.80147E-04	1.20700E-03	6.90435E-04	2.96273E-02	1.41235E-04	1.39822E-03
38	4.58187E-04	4.27282E-04	1.80001E-04	1.20611E-03	6.90059E-04	2.96037E-02	1.41210E-04	1.39785E-03
39	4.57888E-04	4.26951E-04	1.79854E-04	1.20521E-03	6.89679E-04	2.95797E-02	1.41184E-04	1.39748E-03
40	4.57587E-04	4.26616E-04	1.79705E-04	1.20430E-03	6.89295E-04	2.95556E-02	1.41157E-04	1.39710E-03

TABLE XXVII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 32									
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	4.57281E-04	4.26278E-04	1.79554E-04	1.20337E-03	6.88907E-04	2.95311E-02	1.41131E-04	1.39672E-03	
42	4.56973E-04	4.25936E-04	1.79402E-04	1.20244E-03	6.88514E-04	2.95063E-02	1.41104E-04	1.39633E-03	
43	4.56661E-04	4.25590E-04	1.79247E-04	1.20150E-03	6.88117E-04	2.94813E-02	1.41077E-04	1.39594E-03	
44	4.56346E-04	4.25240E-04	1.79091E-04	1.20054E-03	6.87716E-04	2.94560E-02	1.41050E-04	1.39554E-03	
45	4.56027E-04	4.24887E-04	1.78934E-04	1.19958E-03	6.87309E-04	2.94304E-02	1.41022E-04	1.39514E-03	
46	4.55705E-04	4.24529E-04	1.78775E-04	1.19860E-03	6.86899E-04	2.94046E-02	1.40994E-04	1.39474E-03	
47	4.55378E-04	4.24168E-04	1.78613E-04	1.19762E-03	6.86484E-04	2.93784E-02	1.40965E-04	1.39433E-03	
48	4.55049E-04	4.23802E-04	1.78450E-04	1.19662E-03	6.86064E-04	2.93520E-02	1.40937E-04	1.39392E-03	
49	4.54715E-04	4.23432E-04	1.78286E-04	1.19561E-03	6.85640E-04	2.93253E-02	1.40908E-04	1.39350E-03	
50	4.54378E-04	4.23059E-04	1.78119E-04	1.19459E-03	6.85211E-04	2.92982E-02	1.40878E-04	1.39307E-03	
51	4.54038E-04	4.22681E-04	1.77951E-04	1.19356E-03	6.84777E-04	2.92709E-02	1.40849E-04	1.39265E-03	
52	4.53692E-04	4.22299E-04	1.77780E-04	1.19252E-03	6.84338E-04	2.92432E-02	1.40819E-04	1.39221E-03	
53	4.53344E-04	4.21912E-04	1.77608E-04	1.19147E-03	6.83895E-04	2.92153E-02	1.40788E-04	1.39178E-03	
54	4.52992E-04	4.21522E-04	1.77434E-04	1.19040E-03	6.83446E-04	2.91870E-02	1.40758E-04	1.39134E-03	
55	4.52636E-04	4.21127E-04	1.77258E-04	1.18932E-03	6.82992E-04	2.91585E-02	1.40727E-04	1.39089E-03	
56	4.52276E-04	4.20727E-04	1.77080E-04	1.18823E-03	6.82533E-04	2.91296E-02	1.40696E-04	1.39044E-03	
57	4.51911E-04	4.20323E-04	1.76900E-04	1.18713E-03	6.82069E-04	2.91004E-02	1.40664E-04	1.38998E-03	
58	5.14356E-06	5.70356E-06	2.54213E-06	1.55576E-05	6.54895E-06	4.12551E-04	4.47404E-07	6.45264E-06	
59	4.77352E-06	5.29324E-06	2.35924E-06	1.44383E-05	6.07782E-06	3.82872E-04	4.15217E-07	5.58844E-06	
60	4.40408E-06	4.88357E-06	2.17665E-06	1.33209E-05	5.60743E-06	3.53240E-04	3.83082E-07	5.52497E-06	
61	4.03519E-06	4.47451E-06	1.99433E-06	1.22051E-05	5.13775E-06	3.23652E-04	3.50995E-07	5.06219E-06	
62	3.66678E-06	4.06600E-06	1.81225E-06	1.10908E-05	4.66867E-06	2.94103E-04	3.18950E-07	4.60001E-06	
63	3.29882E-06	3.65797E-06	1.63038E-06	9.97785E-06	4.20016E-06	2.64590E-04	2.86942E-07	4.13839E-06	
64	2.93126E-06	3.25039E-06	1.44872E-06	8.86611E-06	3.73218E-06	2.35109E-04	2.54971E-07	3.67729E-06	
65	2.56407E-06	2.84323E-06	1.26725E-06	7.75549E-06	3.26466E-06	2.05658E-04	2.23032E-07	3.21665E-06	
66	2.19718E-06	2.43639E-06	1.08592E-06	6.64575E-06	2.79752E-06	1.76229E-04	1.91118E-07	2.75638E-06	
67	1.83058E-06	2.02988E-06	9.04735E-07	5.53691E-06	2.33076E-06	1.46825E-04	1.59230E-07	2.29648E-06	
68	1.46418E-06	1.62360E-06	7.23650E-07	4.42869E-06	1.86425E-06	1.17438E-04	1.27360E-07	1.83684E-06	
69	1.09799E-06	1.21753E-06	5.42666E-07	3.32107E-06	1.39800E-06	8.80670E-05	9.55072E-08	1.37744E-06	
70	7.31916E-07	8.11602E-07	3.61738E-07	2.21382E-06	9.31902E-07	5.87051E-05	6.36647E-08	9.18197E-07	
71	3.65938E-07	4.05778E-07	1.80859E-07	1.10684E-06	4.65924E-07	2.93509E-05	3.18306E-08	4.59072E-07	
72	0.	0.	0.	0.	0.	0.	0.	0.	

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXVII. (Continued)

(photons/cm³ sec.)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
1	1.91806E-02	7.31470E-03	1.07656E-02	3.84088E-02	4.57919E-02
2	1.91710E-02	7.31124E-03	1.07648E-02	3.83968E-02	4.57738E-02
3	1.91614E-02	7.30773E-03	1.07639E-02	3.83846E-02	4.57677E-02
4	1.91516E-02	7.30418E-03	1.07630E-02	3.83723E-02	4.57553E-02
5	1.91417E-02	7.30059E-03	1.07622E-02	3.83599E-02	4.57429E-02
6	1.91317E-02	7.29696E-03	1.07613E-02	3.83473E-02	4.57303E-02
7	1.91216E-02	7.29329E-03	1.07604E-02	3.83346E-02	4.57176E-02
8	1.91114E-02	7.28958E-03	1.07595E-02	3.83218E-02	4.57047E-02
9	1.91011E-02	7.28583E-03	1.07586E-02	3.83088E-02	4.56917E-02
10	1.90907E-02	7.28204E-03	1.07577E-02	3.82956E-02	4.56785E-02
11	1.90801E-02	7.27821E-03	1.07568E-02	3.82823E-02	4.56652E-02
12	1.90694E-02	7.27433E-03	1.07558E-02	3.82689E-02	4.56518E-02
13	1.90586E-02	7.27041E-03	1.07549E-02	3.82553E-02	4.56382E-02
14	1.90477E-02	7.26644E-03	1.07539E-02	3.82416E-02	4.56244E-02
15	1.90367E-02	7.26243E-03	1.07530E-02	3.82277E-02	4.56105E-02
16	1.90255E-02	7.25837E-03	1.07520E-02	3.82136E-02	4.55964E-02
17	1.90142E-02	7.25428E-03	1.07510E-02	3.81995E-02	4.55822E-02
18	1.90028E-02	7.25014E-03	1.07500E-02	3.81851E-02	4.55678E-02
19	1.89913E-02	7.24594E-03	1.07490E-02	3.81706E-02	4.55533E-02
20	1.89797E-02	7.24173E-03	1.07480E-02	3.81560E-02	4.55387E-02
21	1.89678E-02	7.23742E-03	1.07469E-02	3.81410E-02	4.55237E-02
22	1.89559E-02	7.23309E-03	1.07459E-02	3.81260E-02	4.55087E-02
23	1.89439E-02	7.22871E-03	1.07448E-02	3.81109E-02	4.54935E-02
24	1.89317E-02	7.22428E-03	1.07438E-02	3.80955E-02	4.54781E-02
25	1.89193E-02	7.21980E-03	1.07427E-02	3.80800E-02	4.54626E-02
26	1.89069E-02	7.21527E-03	1.07416E-02	3.80643E-02	4.54469E-02
27	1.88943E-02	7.21069E-03	1.07405E-02	3.80484E-02	4.54310E-02
28	1.88815E-02	7.20607E-03	1.07394E-02	3.80324E-02	4.54149E-02
29	1.88686E-02	7.20138E-03	1.07382E-02	3.80162E-02	4.53987E-02
30	1.88556E-02	7.19665E-03	1.07371E-02	3.79998E-02	4.53822E-02
31	1.88424E-02	7.19186E-03	1.07359E-02	3.79832E-02	4.53655E-02
32	1.88291E-02	7.18703E-03	1.07348E-02	3.79664E-02	4.53488E-02
33	1.88156E-02	7.18213E-03	1.07336E-02	3.79495E-02	4.53313E-02
34	1.88020E-02	7.17717E-03	1.07324E-02	3.79323E-02	4.53147E-02
35	1.87882E-02	7.17217E-03	1.07312E-02	3.79150E-02	4.52973E-02
36	1.87743E-02	7.16712E-03	1.07299E-02	3.78974E-02	4.52793E-02
37	1.87602E-02	7.16200E-03	1.07287E-02	3.78797E-02	4.52620E-02
38	1.87460E-02	7.15683E-03	1.07275E-02	3.78618E-02	4.52441E-02
39	1.87316E-02	7.15160E-03	1.07262E-02	3.78437E-02	4.52259E-02
40	1.87170E-02	7.14632E-03	1.07249E-02	3.78254E-02	4.52076E-02

TABLE XXVII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40					
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
41	1.87023E-02	7.14096E-03	1.07236E-02	3.78068E-02	4.51890E-02
42	1.86874E-02	7.13556E-03	1.07223E-02	3.77881E-02	4.51703E-02
43	1.86724E-02	7.13009E-03	1.07210E-02	3.77692E-02	4.51513E-02
44	1.86571E-02	7.12455E-03	1.07197E-02	3.77500E-02	4.51321E-02
45	1.86418E-02	7.11897E-03	1.07183E-02	3.77306E-02	4.51127E-02
46	1.86262E-02	7.11332E-03	1.07170E-02	3.77111E-02	4.50931E-02
47	1.86105E-02	7.10760E-03	1.07156E-02	3.76912E-02	4.50733E-02
48	1.85946E-02	7.10183E-03	1.07142E-02	3.76712E-02	4.50532E-02
49	1.85785E-02	7.09597E-03	1.07128E-02	3.76510E-02	4.50330E-02
50	1.85622E-02	7.09008E-03	1.07113E-02	3.76305E-02	4.50125E-02
51	1.85458E-02	7.08409E-03	1.07099E-02	3.76098E-02	4.49917E-02
52	1.85291E-02	7.07806E-03	1.07084E-02	3.75889E-02	4.49708E-02
53	1.85123E-02	7.07195E-03	1.07070E-02	3.75677E-02	4.49496E-02
54	1.84953E-02	7.06577E-03	1.07055E-02	3.75463E-02	4.49281E-02
55	1.84781E-02	7.05953E-03	1.07040E-02	3.75247E-02	4.49065E-02
56	1.84607E-02	7.05322E-03	1.07024E-02	3.75029E-02	4.48846E-02
57	1.84432E-02	7.04683E-03	1.07009E-02	3.74807E-02	4.48624E-02
58	2.48214E-04	9.01639E-05	2.17783E-05	3.12398E-04	3.12842E-04
59	2.30357E-04	8.36774E-05	2.02115E-05	2.89924E-04	2.90335E-04
60	2.12529E-04	7.72013E-05	1.86472E-05	2.67485E-04	2.67865E-04
61	1.94727E-04	7.07349E-05	1.70853E-05	2.45080E-04	2.45429E-04
62	1.76948E-04	6.42769E-05	1.55254E-05	2.22705E-04	2.23022E-04
63	1.59191E-04	5.78266E-05	1.39674E-05	2.00356E-04	2.00641E-04
64	1.41454E-04	5.13834E-05	1.24111E-05	1.78031E-04	1.78284E-04
65	1.23734E-04	4.49468E-05	1.08565E-05	1.56730E-04	1.55951E-04
66	1.06029E-04	3.85154E-05	9.30303E-06	1.33447E-04	1.33636E-04
67	8.83384E-05	3.20891E-05	7.75081E-06	1.11181E-04	1.11339E-04
68	7.06574E-05	2.56664E-05	6.19948E-06	8.88282E-05	8.90546E-05
69	5.29859E-05	1.92473E-05	4.64899E-06	6.6873E-05	6.67821E-05
70	3.53202E-05	1.28301E-05	3.09899E-06	4.44534E-05	4.45166E-05
71	1.76591E-05	6.41471E-06	1.54942E-06	2.22255E-05	2.22571E-05
72	0.	0.	0.	0.	0.
INT. 73 THRU INT. 168 SAME AS ABOVE					

TABLE XXVIII. GAMMA-RAY SOURCE DATA FOR 3.2PPM URANIUM SOURCE IN SANDSTONE
ORE BODY: DIRT OVERBURDEN LAYER 4

G = ENERGY GROUP NUMBER: INT.= SPATIAL INTERVAL NUMBER

(photons/cm ³ sec)									
λ DISTRIBUTED SOURCE - G=GROUP NO. N= 0									
λ INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
1	2.56368E-05	1.26149E-03	2.78380E-06	3.10897E-05	5.70520E-03	5.63794E-05	4.65926E-04	1.77801E-02	
2	2.56229E-05	1.26081E-03	2.78229E-06	3.10729E-05	5.70210E-03	5.63522E-05	4.65680E-04	1.77705E-02	
3	2.56089E-05	1.26011E-03	2.78076E-06	3.10558E-05	5.69897E-03	5.63249E-05	4.65431E-04	1.77607E-02	
4	2.55946E-05	1.25941E-03	2.77921E-06	3.10386E-05	5.69581E-03	5.62973E-05	4.65179E-04	1.77509E-02	
5	2.55802E-05	1.25871E-03	2.77765E-06	3.10211E-05	5.69261E-03	5.62693E-05	4.64924E-04	1.77409E-02	
6	2.55657E-05	1.25799E-03	2.77607E-06	3.10035E-05	5.68937E-03	5.62410E-05	4.64666E-04	1.77309E-02	
7	2.55510E-05	1.25727E-03	2.77448E-06	3.09856E-05	5.68610E-03	5.62123E-05	4.64406E-04	1.77207E-02	
8	2.55361E-05	1.25653E-03	2.77286E-06	3.09676E-05	5.68279E-03	5.61834E-05	4.64142E-04	1.77104E-02	
9	2.55211E-05	1.25580E-03	2.77123E-06	3.09494E-05	5.67945E-03	5.61542E-05	4.63876E-04	1.77000E-02	
10	2.55059E-05	1.25505E-03	2.76958E-06	3.09309E-05	5.67606E-03	5.61246E-05	4.63607E-04	1.76895E-02	
11	2.54905E-05	1.25429E-03	2.76791E-06	3.09123E-05	5.67264E-03	5.60947E-05	4.63334E-04	1.76788E-02	
12	2.54750E-05	1.25353E-03	2.76622E-06	3.08934E-05	5.66918E-03	5.60644E-05	4.63059E-04	1.76681E-02	
13	2.54593E-05	1.25275E-03	2.76452E-06	3.08744E-05	5.66568E-03	5.60338E-05	4.62781E-04	1.76572E-02	
14	2.54434E-05	1.25197E-03	2.76279E-06	3.08551E-05	5.66215E-03	5.60029E-05	4.62499E-04	1.76462E-02	
15	2.54273E-05	1.25118E-03	2.76105E-06	3.08356E-05	5.65857E-03	5.59717E-05	4.62215E-04	1.76351E-02	
16	2.54111E-05	1.25038E-03	2.75928E-06	3.08159E-05	5.65496E-03	5.59399E-05	4.61927E-04	1.76238E-02	
17	2.53946E-05	1.24957E-03	2.75750E-06	3.07960E-05	5.65130E-03	5.59081E-05	4.61636E-04	1.76125E-02	
18	2.53780E-05	1.24875E-03	2.75570E-06	3.07759E-05	5.64760E-03	5.58757E-05	4.61341E-04	1.76010E-02	
19	2.53612E-05	1.24793E-03	2.75387E-06	3.07555E-05	5.64386E-03	5.58429E-05	4.61044E-04	1.75893E-02	
20	2.53443E-05	1.24710E-03	2.75204E-06	3.07350E-05	5.64011E-03	5.58101E-05	4.60745E-04	1.75777E-02	
21	2.53271E-05	1.24625E-03	2.75016E-06	3.07141E-05	5.63626E-03	5.57765E-05	4.60439E-04	1.75657E-02	
22	2.53097E-05	1.24539E-03	2.74828E-06	3.06930E-05	5.63240E-03	5.57428E-05	4.60131E-04	1.75537E-02	
23	2.52921E-05	1.24453E-03	2.74637E-06	3.06717E-05	5.62849E-03	5.57086E-05	4.59820E-04	1.75415E-02	
24	2.52744E-05	1.24366E-03	2.74444E-06	3.06502E-05	5.62454E-03	5.56741E-05	4.59506E-04	1.75292E-02	
25	2.52564E-05	1.24277E-03	2.74249E-06	3.06284E-05	5.62055E-03	5.56390E-05	4.59188E-04	1.75168E-02	
26	2.52383E-05	1.24188E-03	2.74052E-06	3.06064E-05	5.61651E-03	5.56038E-05	4.58866E-04	1.75043E-02	
27	2.52199E-05	1.24098E-03	2.73853E-06	3.05842E-05	5.61242E-03	5.55680E-05	4.58541E-04	1.74916E-02	
28	2.52014E-05	1.24006E-03	2.73652E-06	3.05617E-05	5.60829E-03	5.55320E-05	4.58212E-04	1.74787E-02	
29	2.51826E-05	1.23914E-03	2.73448E-06	3.05389E-05	5.60412E-03	5.54954E-05	4.57880E-04	1.74657E-02	
30	2.51636E-05	1.23821E-03	2.73242E-06	3.05159E-05	5.59990E-03	5.54586E-05	4.57544E-04	1.74526E-02	
31	2.51445E-05	1.23726E-03	2.73034E-06	3.04926E-05	5.59563E-03	5.54211E-05	4.57204E-04	1.74393E-02	
32	2.51250E-05	1.23631E-03	2.72823E-06	3.04691E-05	5.59131E-03	5.53834E-05	4.56860E-04	1.74259E-02	
33	2.51054E-05	1.23534E-03	2.72610E-06	3.04453E-05	5.58694E-03	5.53453E-05	4.56513E-04	1.74123E-02	
34	2.50856E-05	1.23437E-03	2.72395E-06	3.04212E-05	5.58253E-03	5.53067E-05	4.56161E-04	1.73986E-02	
35	2.50655E-05	1.23338E-03	2.72177E-06	3.03969E-05	5.57806E-03	5.52675E-05	4.55806E-04	1.73847E-02	
36	2.50453E-05	1.23238E-03	2.71957E-06	3.03723E-05	5.57355E-03	5.52282E-05	4.55447E-04	1.73707E-02	
37	2.50248E-05	1.23137E-03	2.71734E-06	3.03475E-05	5.56899E-03	5.51883E-05	4.55084E-04	1.73565E-02	
38	2.50040E-05	1.23035E-03	2.71509E-06	3.03223E-05	5.56438E-03	5.51479E-05	4.54717E-04	1.73421E-02	
39	2.49831E-05	1.22932E-03	2.71281E-06	3.02969E-05	5.55971E-03	5.51071E-05	4.54345E-04	1.73276E-02	
40	2.49619E-05	1.22828E-03	2.71051E-06	3.02712E-05	5.55499E-03	5.50658E-05	4.53970E-04	1.73130E-02	

TABLE XXVIII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 0									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	2.49404E-05	1.22722E-03	2.70818E-06	3.02452E-05	5.55022E-03	5.50242E-05	4.53590E-04	1.72981E-02	
42	2.49188E-05	1.22616E-03	2.70583E-06	3.02189E-05	5.54540E-03	5.49820E-05	4.53206E-04	1.72831E-02	
43	2.48968E-05	1.22508E-03	2.70345E-06	3.01923E-05	5.54052E-03	5.49393E-05	4.52818E-04	1.72680E-02	
44	2.48747E-05	1.22399E-03	2.70105E-06	3.01655E-05	5.53559E-03	5.48962E-05	4.52425E-04	1.72526E-02	
45	2.48523E-05	1.22288E-03	2.69861E-06	3.01383E-05	5.53060E-03	5.48525E-05	4.52028E-04	1.72371E-02	
46	2.48296E-05	1.22177E-03	2.69616E-06	3.01108E-05	5.52557E-03	5.48085E-05	4.51627E-04	1.72214E-02	
47	2.48067E-05	1.22064E-03	2.69367E-06	3.00830E-05	5.52047E-03	5.47640E-05	4.51221E-04	1.72056E-02	
48	2.47836E-05	1.21950E-03	2.69115E-06	3.00550E-05	5.51531E-03	5.47189E-05	4.50811E-04	1.71896E-02	
49	2.47601E-05	1.21835E-03	2.68861E-06	3.00265E-05	5.51009E-03	5.46732E-05	4.50396E-04	1.71733E-02	
50	2.47364E-05	1.21718E-03	2.68604E-06	2.99978E-05	5.50483E-03	5.46271E-05	4.49976E-04	1.71570E-02	
51	2.47125E-05	1.21601E-03	2.68344E-06	2.99688E-05	5.49950E-03	5.45806E-05	4.49553E-04	1.71404E-02	
52	2.46883E-05	1.21482E-03	2.68081E-06	2.99394E-05	5.49411E-03	5.45334E-05	4.49123E-04	1.71236E-02	
53	2.46638E-05	1.21361E-03	2.67815E-06	2.99097E-05	5.48866E-03	5.44858E-05	4.48690E-04	1.71067E-02	
54	4.42230E-07	2.17606E-05	4.80136E-08	5.36292E-07	9.84137E-05	8.60594E-07	7.83378E-06	3.06051E-04	
55	4.17364E-07	2.05370E-05	4.53138E-08	5.06137E-07	9.28800E-05	8.12203E-07	7.39330E-06	2.88842E-04	
56	3.92548E-07	1.93158E-05	4.26196E-08	4.76042E-07	8.73575E-05	7.63911E-07	6.95371E-06	2.71668E-04	
57	3.67779E-07	1.80971E-05	3.99303E-08	4.46005E-07	8.18455E-05	7.15710E-07	6.51495E-06	2.54527E-04	
58	3.43058E-07	1.68806E-05	3.72463E-08	4.16026E-07	7.63440E-05	6.67602E-07	6.07703E-06	2.37418E-04	
59	3.18378E-07	1.56662E-05	3.45667E-08	3.86096E-07	7.08517E-05	6.19574E-07	5.63984E-06	2.20338E-04	
60	2.93737E-07	1.44537E-05	3.18915E-08	3.56215E-07	6.53682E-05	5.71622E-07	5.20335E-06	2.03285E-04	
61	2.69134E-07	1.32430E-05	2.92202E-08	3.26378E-07	5.98929E-05	5.23743E-07	4.76750E-06	1.86257E-04	
62	2.44562E-07	1.20340E-05	2.65525E-08	2.96580E-07	5.44247E-05	4.75925E-07	4.33224E-06	1.69252E-04	
63	2.20020E-07	1.08263E-05	2.38879E-08	2.66818E-07	4.89631E-05	4.28165E-07	3.89749E-06	1.52267E-04	
64	1.95506E-07	9.62009E-06	2.12263E-08	2.37089E-07	4.35076E-05	3.80459E-07	3.46323E-06	1.35302E-04	
65	1.71015E-07	8.41501E-06	1.85673E-08	2.07390E-07	3.80575E-05	3.32800E-07	3.02940E-06	1.18353E-04	
66	1.46544E-07	7.21090E-06	1.59106E-08	1.77714E-07	3.26119E-05	2.85180E-07	2.59593E-06	1.01418E-04	
67	1.22093E-07	6.00778E-06	1.32558E-08	1.48062E-07	2.71707E-05	2.37599E-07	2.16280E-06	8.44964E-05	
68	9.76560E-08	4.80530E-06	1.06026E-08	1.18427E-07	2.17324E-05	1.90042E-07	1.72991E-06	6.75842E-05	
69	7.32325E-08	3.60350E-06	7.95095E-09	8.88089E-08	1.62971E-05	1.42512E-07	1.29726E-06	5.06814E-05	
70	4.88164E-08	2.40208E-06	5.30006E-09	5.91995E-08	1.08635E-05	9.49983E-08	8.64747E-07	3.37840E-05	
71	2.44069E-08	1.20097E-06	2.64989E-09	2.95981E-08	5.43149E-06	4.74965E-08	4.32349E-07	1.68910E-05	
72	0.	0.	0.	0.	0.	0.	0.	0.	

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXVIII. (Continued)

DISTRIBUTED SOURCE - G=GROUP NO.		N= 8 (photons/cm ³ sec)						
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	9.37617E-04	1.14588E-03	6.43469E-04	1.81009E-03	7.01002E-03	2.17473E-07	2.11201E-04	6.05197E-03
2	9.37109E-04	1.14526E-03	6.43128E-04	1.80911E-03	7.00622E-03	2.17473E-07	2.11091E-04	6.04868E-03
3	9.36596E-04	1.14464E-03	6.42784E-04	1.80812E-03	7.00239E-03	2.17473E-07	2.10980E-04	6.04536E-03
4	9.36076E-04	1.14401E-03	6.42436E-04	1.80711E-03	6.99851E-03	2.17473E-07	2.10868E-04	6.04200E-03
5	9.35551E-04	1.14337E-03	6.42084E-04	1.80610E-03	6.99459E-03	2.17473E-07	2.10754E-04	6.03861E-03
6	9.35021E-04	1.14272E-03	6.41728E-04	1.80508E-03	6.99063E-03	2.17473E-07	2.10639E-04	6.03518E-03
7	9.34483E-04	1.14207E-03	6.41368E-04	1.80404E-03	6.98661E-03	2.17473E-07	2.10523E-04	6.03171E-03
8	9.33940E-04	1.14141E-03	6.41004E-04	1.80299E-03	6.98255E-03	2.17473E-07	2.10405E-04	6.02821E-03
9	9.33392E-04	1.14074E-03	6.40636E-04	1.80193E-03	6.97846E-03	2.17473E-07	2.10287E-04	6.02466E-03
10	9.32837E-04	1.14006E-03	6.40264E-04	1.80086E-03	6.97431E-03	2.17473E-07	2.10166E-04	6.02107E-03
11	9.32275E-04	1.13938E-03	6.39898E-04	1.79978E-03	6.97012E-03	2.17473E-07	2.10045E-04	6.01745E-03
12	9.31708E-04	1.13869E-03	6.39507E-04	1.79868E-03	6.96588E-03	2.17473E-07	2.09922E-04	6.01378E-03
13	9.31134E-04	1.13799E-03	6.39123E-04	1.79757E-03	6.96160E-03	2.17473E-07	2.09798E-04	6.01007E-03
14	9.30554E-04	1.13728E-03	6.38734E-04	1.79645E-03	6.95726E-03	2.17473E-07	2.09672E-04	6.00633E-03
15	9.29968E-04	1.13657E-03	6.38340E-04	1.79532E-03	6.95287E-03	2.17473E-07	2.09545E-04	6.00253E-03
16	9.29375E-04	1.13585E-03	6.37943E-04	1.79418E-03	6.94844E-03	2.17473E-07	2.09417E-04	5.99870E-03
17	9.28775E-04	1.13512E-03	6.37541E-04	1.79302E-03	6.94397E-03	2.17473E-07	2.09287E-04	5.99483E-03
18	9.28168E-04	1.13438E-03	6.37134E-04	1.79185E-03	6.93943E-03	2.17473E-07	2.09155E-04	5.99092E-03
19	9.27555E-04	1.13363E-03	6.36723E-04	1.79066E-03	6.93486E-03	2.17473E-07	2.09023E-04	5.98696E-03
20	9.26939E-04	1.13288E-03	6.36310E-04	1.78947E-03	6.93025E-03	2.17473E-07	2.08889E-04	5.98296E-03
21	9.26308E-04	1.13211E-03	6.35887E-04	1.78826E-03	6.92555E-03	2.17473E-07	2.08753E-04	5.97889E-03
22	9.25674E-04	1.13134E-03	6.35462E-04	1.78703E-03	6.92081E-03	2.17473E-07	2.08615E-04	5.97479E-03
23	9.25033E-04	1.13056E-03	6.35032E-04	1.78580E-03	6.91602E-03	2.17473E-07	2.08477E-04	5.97065E-03
24	9.24385E-04	1.12977E-03	6.34598E-04	1.78455E-03	6.91118E-03	2.17473E-07	2.08336E-04	5.96647E-03
25	9.23729E-04	1.12897E-03	6.34158E-04	1.78328E-03	6.90627E-03	2.17473E-07	2.08194E-04	5.96223E-03
26	9.23067E-04	1.12817E-03	6.33714E-04	1.78200E-03	6.90133E-03	2.17473E-07	2.08051E-04	5.95795E-03
27	9.22397E-04	1.12735E-03	6.33265E-04	1.78071E-03	6.89632E-03	2.17473E-07	2.07906E-04	5.95362E-03
28	9.21720E-04	1.12653E-03	6.32811E-04	1.77940E-03	6.89127E-03	2.17473E-07	2.07759E-04	5.94925E-03
29	9.21034E-04	1.12569E-03	6.32351E-04	1.77808E-03	6.88615E-03	2.17473E-07	2.07611E-04	5.94482E-03
30	9.20342E-04	1.12485E-03	6.31887E-04	1.77674E-03	6.88098E-03	2.17473E-07	2.07461E-04	5.94034E-03
31	9.19641E-04	1.12400E-03	6.31417E-04	1.77539E-03	6.87575E-03	2.17473E-07	2.07309E-04	5.93582E-03
32	9.18932E-04	1.12313E-03	6.30942E-04	1.77402E-03	6.87044E-03	2.17473E-07	2.07156E-04	5.93124E-03
33	9.18217E-04	1.12226E-03	6.30462E-04	1.77264E-03	6.86511E-03	2.17473E-07	2.07001E-04	5.92662E-03
34	9.17492E-04	1.12138E-03	6.29977E-04	1.77124E-03	6.85969E-03	2.17473E-07	2.06844E-04	5.92193E-03
35	9.16760E-04	1.12049E-03	6.29486E-04	1.76983E-03	6.85422E-03	2.17473E-07	2.06685E-04	5.91721E-03
36	9.16020E-04	1.11959E-03	6.28988E-04	1.76840E-03	6.84870E-03	2.17473E-07	2.06525E-04	5.91242E-03
37	9.15271E-04	1.11868E-03	6.28488E-04	1.76695E-03	6.84310E-03	2.17473E-07	2.06363E-04	5.90759E-03
38	9.14515E-04	1.11776E-03	6.27980E-04	1.76549E-03	6.83745E-03	2.17473E-07	2.06199E-04	5.90270E-03
39	9.13749E-04	1.11682E-03	6.27466E-04	1.76401E-03	6.83174E-03	2.17473E-07	2.06033E-04	5.89775E-03
40	9.12975E-04	1.11588E-03	6.26947E-04	1.76252E-03	6.82595E-03	2.17473E-07	2.05866E-04	5.89275E-03

TABLE XXVIII. (Continued)

(photons/cm³ sec)

D DISTRIBUTED SOURCE - G=GROUP NO.									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	9.12192E-04	1.11493E-03	6.26423E-04	1.76101E-03	6.82011E-03	2.17473E-07	2.05696E-04	5.88769E-03	
42	9.11401E-04	1.11397E-03	6.25893E-04	1.75948E-03	6.81420E-03	2.17473E-07	2.05525E-04	5.88258E-03	
43	9.10601E-04	1.11299E-03	6.25357E-04	1.75794E-03	6.80823E-03	2.17473E-07	2.05352E-04	5.87741E-03	
44	9.09793E-04	1.11201E-03	6.24814E-04	1.75638E-03	6.80218E-03	2.17473E-07	2.05177E-04	5.87219E-03	
45	9.08974E-04	1.11101E-03	6.24266E-04	1.75480E-03	6.79607E-03	2.17473E-07	2.05000E-04	5.86690E-03	
46	9.08147E-04	1.11001E-03	6.23712E-04	1.75320E-03	6.78990E-03	2.17473E-07	2.04821E-04	5.86156E-03	
47	9.07311E-04	1.10899E-03	6.23150E-04	1.75159E-03	6.78365E-03	2.17473E-07	2.04639E-04	5.85616E-03	
48	9.06465E-04	1.10796E-03	6.22584E-04	1.74995E-03	6.77732E-03	2.17473E-07	2.04456E-04	5.85069E-03	
49	9.05610E-04	1.10692E-03	6.22010E-04	1.74830E-03	6.77093E-03	2.17473E-07	2.04271E-04	5.84516E-03	
50	9.04746E-04	1.10586E-03	6.21431E-04	1.74663E-03	6.76448E-03	2.17473E-07	2.04084E-04	5.83958E-03	
51	9.03872E-04	1.10480E-03	6.20845E-04	1.74495E-03	6.75796E-03	2.17473E-07	2.03895E-04	5.83393E-03	
52	9.02987E-04	1.10372E-03	6.20252E-04	1.74324E-03	6.75134E-03	2.17473E-07	2.03703E-04	5.82822E-03	
53	9.02094E-04	1.10264E-03	6.19653E-04	1.74151E-03	6.74468E-03	2.17473E-07	2.03510E-04	5.82245E-03	
54	1.61449E-05	1.96547E-05	1.08241E-05	3.11667E-05	1.20595E-04	0.	3.49572E-06	1.04310E-04	
55	1.52370E-05	1.85495E-05	1.02154E-05	2.94142E-05	1.13814E-04	0.	3.29916E-06	9.84448E-05	
56	1.43311E-05	1.74466E-05	9.60808E-06	2.76653E-05	1.07047E-04	0.	3.10300E-06	9.25915E-05	
57	1.34268E-05	1.63457E-05	9.00184E-06	2.59197E-05	1.00293E-04	0.	2.90721E-06	8.67492E-05	
58	1.25243E-05	1.52470E-05	8.39676E-06	2.41775E-05	9.35515E-05	0.	2.71179E-06	8.09181E-05	
59	1.16233E-05	1.41501E-05	7.79267E-06	2.24381E-05	8.68211E-05	0.	2.51670E-06	7.50967E-05	
60	1.07237E-05	1.30549E-05	7.18956E-06	2.07015E-05	8.01016E-05	0.	2.32193E-06	6.92947E-05	
61	9.82551E-06	1.19614E-05	6.58736E-06	1.89674E-05	7.33922E-05	0.	2.12744E-06	6.34813E-05	
62	8.92846E-06	1.08694E-05	5.98595E-06	1.72358E-05	6.66917E-05	0.	1.93321E-06	5.76856E-05	
63	8.03247E-06	9.77865E-06	5.38525E-06	1.55061E-05	5.99990E-05	0.	1.73921E-06	5.18966E-05	
64	7.13749E-06	8.68912E-06	4.78521E-06	1.37784E-05	5.33139E-05	0.	1.54543E-06	4.61143E-05	
65	6.24339E-06	7.60065E-06	4.18578E-06	1.20524E-05	4.66354E-05	0.	1.35183E-06	4.03377E-05	
66	5.35003E-06	6.51307E-06	3.58684E-06	1.03279E-05	3.99623E-05	0.	1.15839E-06	3.45658E-05	
67	4.45738E-06	5.42638E-06	2.98838E-06	8.60469E-06	3.32947E-05	0.	9.65120E-07	2.87986E-05	
68	3.56522E-06	4.34026E-06	2.39025E-06	6.88242E-06	2.66307E-05	0.	7.71947E-07	2.30344E-05	
69	2.67357E-06	3.25477E-06	1.79245E-06	5.16114E-06	1.99704E-05	0.	5.78885E-07	1.72735E-05	
70	1.78219E-06	2.16962E-06	1.19483E-06	3.44039E-06	1.33121E-05	0.	3.85881E-07	1.15144E-05	
71	8.91043E-07	1.08474E-06	5.97386E-07	1.72010E-06	6.65570E-06	0.	1.92931E-07	5.75691E-06	
72	0.	0.	0.	0.	0.	0.	0.	0.	

INT. 73 THRU INT. 168 SAME AS ABOVE

TABLE XXVIII. (Continued)

(photons/cm ³ sec)								
0 DISTRIBUTED SOURCE - G=GROUP NO. N= 16								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	4.98453E-04	1.38445E-02	6.50025E-04	5.47084E-04	4.00727E-05	3.11777E-04	2.67484E-03	0.
2	4.98193E-04	1.38370E-02	6.49682E-04	5.47068E-04	4.00575E-05	3.11607E-04	2.67342E-03	0.
3	4.97929E-04	1.38294E-02	6.49336E-04	5.47051E-04	4.00422E-05	3.11436E-04	2.67200E-03	0.
4	4.97663E-04	1.38217E-02	6.48985E-04	5.47034E-04	4.00267E-05	3.11263E-04	2.67055E-03	0.
5	4.97393E-04	1.38140E-02	6.48631E-04	5.47017E-04	4.00111E-05	3.11089E-04	2.66909E-03	0.
6	4.97121E-04	1.38061E-02	6.48273E-04	5.47000E-04	3.99952E-05	3.10912E-04	2.66761E-03	0.
7	4.96846E-04	1.37982E-02	6.47910E-04	5.46982E-04	3.99792E-05	3.10733E-04	2.66612E-03	0.
8	4.96567E-04	1.37901E-02	6.47544E-04	5.46964E-04	3.99630E-05	3.10552E-04	2.66461E-03	0.
9	4.96286E-04	1.37820E-02	6.47174E-04	5.46946E-04	3.99467E-05	3.10369E-04	2.66308E-03	0.
10	4.96001E-04	1.37738E-02	6.46799E-04	5.46928E-04	3.99301E-05	3.10185E-04	2.66154E-03	0.
11	4.95713E-04	1.37655E-02	6.46420E-04	5.46910E-04	3.99134E-05	3.09998E-04	2.65997E-03	0.
12	4.95422E-04	1.37571E-02	6.46037E-04	5.46892E-04	3.98964E-05	3.09808E-04	2.65839E-03	0.
13	4.95127E-04	1.37487E-02	6.45650E-04	5.46873E-04	3.98793E-05	3.09617E-04	2.65680E-03	0.
14	4.94830E-04	1.37401E-02	6.45259E-04	5.46854E-04	3.98620E-05	3.09424E-04	2.65518E-03	0.
15	4.94529E-04	1.37314E-02	6.44863E-04	5.46835E-04	3.98445E-05	3.09229E-04	2.65355E-03	0.
16	4.94225E-04	1.37227E-02	6.44463E-04	5.46815E-04	3.98268E-05	3.09031E-04	2.65190E-03	0.
17	4.93917E-04	1.37138E-02	6.44058E-04	5.46796E-04	3.98089E-05	3.08832E-04	2.65023E-03	0.
18	4.93605E-04	1.37048E-02	6.43649E-04	5.46776E-04	3.97908E-05	3.08630E-04	2.64855E-03	0.
19	4.93291E-04	1.36958E-02	6.43235E-04	5.46756E-04	3.97726E-05	3.08425E-04	2.64684E-03	0.
20	4.92975E-04	1.36866E-02	6.42819E-04	5.46736E-04	3.97542E-05	3.08220E-04	2.64512E-03	0.
21	4.92651E-04	1.36773E-02	6.42394E-04	5.46716E-04	3.97354E-05	3.08010E-04	2.64337E-03	0.
22	4.92326E-04	1.36679E-02	6.41966E-04	5.46695E-04	3.97165E-05	3.07799E-04	2.64160E-03	0.
23	4.91997E-04	1.36585E-02	6.41533E-04	5.46674E-04	3.96973E-05	3.07585E-04	2.63982E-03	0.
24	4.91665E-04	1.36489E-02	6.41096E-04	5.46653E-04	3.96780E-05	3.07370E-04	2.63802E-03	0.
25	4.91328E-04	1.36392E-02	6.40654E-04	5.46631E-04	3.96584E-05	3.07151E-04	2.63619E-03	0.
26	4.90988E-04	1.36294E-02	6.40207E-04	5.46610E-04	3.96387E-05	3.06931E-04	2.63435E-03	0.
27	4.90645E-04	1.36195E-02	6.39754E-04	5.46588E-04	3.96187E-05	3.06707E-04	2.63249E-03	0.
28	4.90297E-04	1.36095E-02	6.39297E-04	5.46566E-04	3.95985E-05	3.06482E-04	2.63060E-03	0.
29	4.89945E-04	1.35994E-02	6.38835E-04	5.46543E-04	3.95781E-05	3.06254E-04	2.62869E-03	0.
30	4.89590E-04	1.35891E-02	6.38368E-04	5.46521E-04	3.95574E-05	3.06023E-04	2.62677E-03	0.
31	4.89231E-04	1.35788E-02	6.37894E-04	5.46498E-04	3.95365E-05	3.05790E-04	2.62482E-03	0.
32	4.88867E-04	1.35683E-02	6.37416E-04	5.46475E-04	3.95154E-05	3.05554E-04	2.62285E-03	0.
33	4.88500E-04	1.35577E-02	6.36934E-04	5.46452E-04	3.94940E-05	3.05315E-04	2.62085E-03	0.
34	4.88128E-04	1.35470E-02	6.36445E-04	5.46428E-04	3.94724E-05	3.05074E-04	2.61884E-03	0.
35	4.87753E-04	1.35362E-02	6.35951E-04	5.46404E-04	3.94506E-05	3.04830E-04	2.61680E-03	0.
36	4.87373E-04	1.35252E-02	6.35451E-04	5.46380E-04	3.94285E-05	3.04584E-04	2.61474E-03	0.
37	4.86989E-04	1.35142E-02	6.34946E-04	5.46356E-04	3.94062E-05	3.04334E-04	2.61266E-03	0.
38	4.86601E-04	1.35030E-02	6.34435E-04	5.46331E-04	3.93836E-05	3.04082E-04	2.61055E-03	0.
39	4.86208E-04	1.34917E-02	6.33919E-04	5.46306E-04	3.93608E-05	3.03827E-04	2.60842E-03	0.
40	4.85811E-04	1.34802E-02	6.33397E-04	5.46281E-04	3.93377E-05	3.03570E-04	2.60627E-03	0.

TABLE XXVIII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 16								
INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	4.85409E-04	1.34687E-02	5.32869E-04	5.46255E-04	3.93144E-05	3.03309E-04	2.60409E-03	0.
42	4.85004E-04	1.34570E-02	5.32335E-04	5.46230E-04	3.92908E-05	3.03045E-04	2.60189E-03	0.
43	4.84593E-04	1.34451E-02	5.31795E-04	5.46204E-04	3.92669E-05	3.02779E-04	2.59966E-03	0.
44	4.84178E-04	1.34332E-02	5.31249E-04	5.46177E-04	3.92428E-05	3.02510E-04	2.59741E-03	0.
45	4.83758E-04	1.34211E-02	5.30697E-04	5.46150E-04	3.92184E-05	3.02237E-04	2.59514E-03	0.
46	4.83334E-04	1.34089E-02	5.30139E-04	5.46123E-04	3.91937E-05	3.01962E-04	2.59284E-03	0.
47	4.82905E-04	1.33965E-02	5.29575E-04	5.46096E-04	3.91688E-05	3.01683E-04	2.59051E-03	0.
48	4.82471E-04	1.33840E-02	5.29004E-04	5.46069E-04	3.91435E-05	3.01402E-04	2.58815E-03	0.
49	4.82032E-04	1.33713E-02	5.28427E-04	5.46041E-04	3.91180E-05	3.01117E-04	2.58577E-03	0.
50	4.81589E-04	1.33586E-02	5.27844E-04	5.46013E-04	3.90922E-05	3.00829E-04	2.58337E-03	0.
51	4.81140E-04	1.33457E-02	5.27254E-04	5.45984E-04	3.90662E-05	3.00538E-04	2.58094E-03	0.
52	4.80687E-04	1.33326E-02	5.26657E-04	5.45955E-04	3.90398E-05	3.00243E-04	2.57848E-03	0.
53	4.80228E-04	1.33194E-02	5.26054E-04	5.45926E-04	3.90131E-05	2.99946E-04	2.57599E-03	0.
54	8.28304E-06	2.38664E-04	1.08944E-05	5.26304E-07	4.81539E-07	5.37696E-06	4.49249E-05	0.
55	7.81728E-06	2.25244E-04	1.02818E-05	4.96711E-07	4.54462E-07	5.07462E-06	4.23988E-05	0.
56	7.35248E-06	2.11852E-04	9.67050E-06	4.67176E-07	4.27441E-07	4.77288E-06	3.98779E-05	0.
57	6.88857E-06	1.98485E-04	9.06033E-06	4.37699E-07	4.00471E-07	4.47173E-06	3.73617E-05	0.
58	6.42553E-06	1.85142E-04	8.45131E-06	4.08278E-07	3.73552E-07	4.17115E-06	3.48504E-05	0.
59	5.96327E-06	1.71822E-04	7.84330E-06	3.78906E-07	3.46678E-07	3.87107E-06	3.23432E-05	0.
60	5.50175E-06	1.58524E-04	7.23628E-06	3.49581E-07	3.19847E-07	3.57147E-06	2.98400E-05	0.
61	5.04092E-06	1.45246E-04	6.63016E-06	3.20300E-07	2.93057E-07	3.27232E-06	2.73406E-05	0.
62	4.58068E-06	1.31986E-04	6.02484E-06	2.91057E-07	2.66301E-07	2.97357E-06	2.48444E-05	0.
63	4.12100E-06	1.19740E-04	5.42024E-06	2.61849E-07	2.39577E-07	2.67516E-06	2.23512E-05	0.
64	3.66184E-06	1.05510E-04	4.81630E-06	2.32674E-07	2.12884E-07	2.37710E-06	1.98608E-05	0.
65	3.20313E-06	9.22936E-05	4.21299E-06	2.03527E-07	1.86216E-07	2.07932E-06	1.73729E-05	0.
66	2.74480E-06	7.90873E-05	3.61014E-06	1.74405E-07	1.59571E-07	1.78179E-06	1.48870E-05	0.
67	2.28683E-06	6.58917E-05	3.00780E-06	1.45305E-07	1.32946E-07	1.48450E-06	1.24031E-05	0.
68	1.82912E-06	5.27032E-05	2.40578E-06	1.16221E-07	1.06336E-07	1.18737E-06	9.92061E-06	0.
69	1.37165E-06	3.95222E-05	1.80410E-06	8.71549E-08	7.97420E-08	8.90413E-07	7.43948E-06	0.
70	9.14338E-07	2.63454E-05	1.20260E-06	5.80970E-08	5.31556E-08	5.93545E-07	4.95913E-06	0.
71	4.57143E-07	1.31719E-05	6.01267E-07	2.90469E-08	2.65763E-08	2.96756E-07	2.47943E-06	0.
72	0.	0.	0.	0.	0.	0.	0.	0.
INT. 73 THRU INT. 168 SAME AS ABOVE								

TABLE XXVIII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 24

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	2.12294E-03	1.19171E-03	4.20386E-03	2.50265E-04	4.96172E-05	1.02895E-03	1.01206E-06	3.76216E-02
2	2.12194E-03	1.19109E-03	4.20169E-03	2.50168E-04	4.95903E-05	1.02345E-03	1.01206E-06	3.76012E-02
3	2.12093E-03	1.19045E-03	4.19949E-03	2.50070E-04	4.95631E-05	1.02794E-03	1.01206E-06	3.75806E-02
4	2.11990E-03	1.18981E-03	4.19727E-03	2.49971E-04	4.95356E-05	1.02742E-03	1.01206E-06	3.75597E-02
5	2.11886E-03	1.18917E-03	4.19502E-03	2.49870E-04	4.95078E-05	1.02590E-03	1.01206E-06	3.75386E-02
6	2.11781E-03	1.18851E-03	4.19275E-03	2.49769E-04	4.94797E-05	1.02537E-03	1.01206E-06	3.75173E-02
7	2.11675E-03	1.18785E-03	4.19045E-03	2.49666E-04	4.94512E-05	1.02584E-03	1.01206E-06	3.74957E-02
8	2.11568E-03	1.18719E-03	4.18813E-03	2.49562E-04	4.94225E-05	1.02530E-03	1.01206E-06	3.74739E-02
9	2.11460E-03	1.18651E-03	4.18578E-03	2.49457E-04	4.93934E-05	1.02475E-03	1.01206E-06	3.74519E-02
10	2.11350E-03	1.18582E-03	4.18341E-03	2.49351E-04	4.93640E-05	1.02420E-03	1.01206E-06	3.74296E-02
11	2.11239E-03	1.18513E-03	4.18101E-03	2.49243E-04	4.93343E-05	1.02364E-03	1.01206E-06	3.74070E-02
12	2.11127E-03	1.18443E-03	4.17858E-03	2.49135E-04	4.93042E-05	1.02308E-03	1.01206E-06	3.73842E-02
13	2.11014E-03	1.18372E-03	4.17612E-03	2.49025E-04	4.92738E-05	1.02251E-03	1.01206E-06	3.73612E-02
14	2.10899E-03	1.18301E-03	4.17364E-03	2.48914E-04	4.92431E-05	1.02193E-03	1.01206E-06	3.73379E-02
15	2.10784E-03	1.18229E-03	4.17114E-03	2.48802E-04	4.92121E-05	1.02135E-03	1.01206E-06	3.73143E-02
16	2.10666E-03	1.18156E-03	4.16860E-03	2.48689E-04	4.91807E-05	1.02076E-03	1.01206E-06	3.72905E-02
17	2.10548E-03	1.18082E-03	4.16603E-03	2.48574E-04	4.91489E-05	1.02017E-03	1.01206E-06	3.72664E-02
18	2.10428E-03	1.18007E-03	4.16344E-03	2.48458E-04	4.91168E-05	1.01956E-03	1.01206E-06	3.72420E-02
19	2.10307E-03	1.17931E-03	4.16081E-03	2.48340E-04	4.90843E-05	1.01895E-03	1.01206E-06	3.72174E-02
20	2.10185E-03	1.17856E-03	4.15818E-03	2.48222E-04	4.90517E-05	1.01834E-03	1.01206E-06	3.71926E-02
21	2.10061E-03	1.17778E-03	4.15548E-03	2.48102E-04	4.90183E-05	1.01771E-03	1.01206E-06	3.71673E-02
22	2.09936E-03	1.17700E-03	4.15277E-03	2.47981E-04	4.89847E-05	1.01708E-03	1.01206E-06	3.71418E-02
23	2.09809E-03	1.17621E-03	4.15002E-03	2.47858E-04	4.89508E-05	1.01645E-03	1.01206E-06	3.71161E-02
24	2.09681E-03	1.17541E-03	4.14725E-03	2.47734E-04	4.89165E-05	1.01580E-03	1.01206E-06	3.70901E-02
25	2.09551E-03	1.17460E-03	4.14444E-03	2.47608E-04	4.88817E-05	1.01515E-03	1.01206E-06	3.70637E-02
26	2.09421E-03	1.17378E-03	4.14161E-03	2.47482E-04	4.88466E-05	1.01449E-03	1.01206E-06	3.70371E-02
27	2.09288E-03	1.17296E-03	4.13874E-03	2.47354E-04	4.88111E-05	1.01383E-03	1.01206E-06	3.70102E-02
28	2.09155E-03	1.17212E-03	4.13585E-03	2.47224E-04	4.87753E-05	1.01315E-03	1.01206E-06	3.69830E-02
29	2.09019E-03	1.17128E-03	4.13291E-03	2.47093E-04	4.87390E-05	1.01247E-03	1.01206E-06	3.69554E-02
30	2.08882E-03	1.17043E-03	4.12995E-03	2.46961E-04	4.87023E-05	1.01178E-03	1.01206E-06	3.69276E-02
31	2.08744E-03	1.16956E-03	4.12695E-03	2.46826E-04	4.86652E-05	1.01109E-03	1.01206E-06	3.68995E-02
32	2.08604E-03	1.16869E-03	4.12392E-03	2.46691E-04	4.86277E-05	1.01038E-03	1.01206E-06	3.68710E-02
33	2.08463E-03	1.16781E-03	4.12086E-03	2.46554E-04	4.85898E-05	1.00967E-03	1.01206E-06	3.68422E-02
34	2.08320E-03	1.16692E-03	4.11776E-03	2.46415E-04	4.85514E-05	1.00895E-03	1.01206E-06	3.68131E-02
35	2.08175E-03	1.16601E-03	4.11463E-03	2.46275E-04	4.85127E-05	1.00822E-03	1.01206E-06	3.67837E-02
36	2.08029E-03	1.16510E-03	4.11146E-03	2.46134E-04	4.84734E-05	1.00749E-03	1.01206E-06	3.67540E-02
37	2.07881E-03	1.16418E-03	4.10826E-03	2.45991E-04	4.84338E-05	1.00675E-03	1.01206E-06	3.67239E-02
38	2.07732E-03	1.16325E-03	4.10502E-03	2.45846E-04	4.83937E-05	1.00599E-03	1.01206E-06	3.66935E-02
39	2.07580E-03	1.16230E-03	4.10175E-03	2.45699E-04	4.83532E-05	1.00523E-03	1.01206E-06	3.66628E-02
40	2.07428E-03	1.16135E-03	4.09844E-03	2.45551E-04	4.83122E-05	1.00446E-03	1.01206E-06	3.66317E-02

TABLE XXVIII. (Continued)

(photons/cm³ sec)

DISTRIBUTED SOURCE - G=GROUP NO. N= 24								
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
41	2.07273E-03	1.16039E-03	4.09509E-03	2.45401E-04	4.82708E-05	1.00369E-03	1.01206E-06	3.66002E-02
42	2.07117E-03	1.15941E-03	4.09170E-03	2.45250E-04	4.62239E-05	1.00290E-03	1.01206E-06	3.65684E-02
43	2.06959E-03	1.15842E-03	4.08828E-03	2.45097E-04	4.81865E-05	1.00210E-03	1.01206E-06	3.65363E-02
44	2.06799E-03	1.15743E-03	4.08482E-03	2.44942E-04	4.81437E-05	1.00130E-03	1.01206E-06	3.65038E-02
45	2.06637E-03	1.15642E-03	4.08132E-03	2.44786E-04	4.81003E-05	1.00049E-03	1.01206E-06	3.64709E-02
46	2.06474E-03	1.15540E-03	4.07778E-03	2.44628E-04	4.80565E-05	9.99667E-04	1.01206E-06	3.64377E-02
47	2.06309E-03	1.15437E-03	4.07420E-03	2.44468E-04	4.80123E-05	9.98836E-04	1.01206E-06	3.64041E-02
48	2.06142E-03	1.15333E-03	4.07059E-03	2.44306E-04	4.79675E-05	9.97995E-04	1.01206E-06	3.63701E-02
49	2.05973E-03	1.15227E-03	4.06692E-03	2.44142E-04	4.79222E-05	9.97145E-04	1.01206E-06	3.63358E-02
50	2.05802E-03	1.15121E-03	4.06323E-03	2.43977E-04	4.78764E-05	9.96287E-04	1.01206E-06	3.63011E-02
51	2.05630E-03	1.15013E-03	4.05949E-03	2.43810E-04	4.78301E-05	9.95419E-04	1.01206E-06	3.62659E-02
52	2.05455E-03	1.14904E-03	4.05571E-03	2.43640E-04	4.77833E-05	9.94540E-04	1.01206E-06	3.62304E-02
53	2.05278E-03	1.14794E-03	4.05188E-03	2.43469E-04	4.77360E-05	9.93652E-04	1.01206E-06	3.61945E-02
54	3.18859E-05	1.98934E-05	6.90721E-05	3.08859E-06	8.54978E-07	1.60453E-05	0.	6.48604E-04
55	3.00930E-05	1.87748E-05	6.51892E-05	2.91492E-06	8.06903E-07	1.51431E-05	0.	6.12134E-04
56	2.83037E-05	1.76584E-05	6.13123E-05	2.74161E-06	7.58926E-07	1.42427E-05	0.	5.75736E-04
57	2.65179E-05	1.65442E-05	5.74437E-05	2.56862E-06	7.11040E-07	1.33441E-05	0.	5.39409E-04
58	2.47354E-05	1.54321E-05	5.35824E-05	2.39596E-06	6.63246E-07	1.24471E-05	0.	5.03152E-04
59	2.29559E-05	1.43219E-05	4.97275E-05	2.22359E-06	6.15531E-07	1.15516E-05	0.	4.66954E-04
60	2.11792E-05	1.32135E-05	4.58789E-05	2.05150E-06	5.67892E-07	1.06576E-05	0.	4.30814E-04
61	1.94052E-05	1.21067E-05	4.20361E-05	1.87967E-06	5.20325E-07	9.76494E-06	0.	3.94729E-04
62	1.76335E-05	1.10014E-05	3.81983E-05	1.70806E-06	4.72820E-07	8.87342E-06	0.	3.58691E-04
63	1.58639E-05	9.89739E-06	3.43650E-05	1.53664E-06	4.25371E-07	7.98296E-06	0.	3.22696E-04
64	1.40964E-05	8.79463E-06	3.05360E-05	1.36543E-06	3.77976E-07	7.09349E-06	0.	2.86741E-04
65	1.23306E-05	7.69294E-06	2.67109E-05	1.19438E-06	3.30628E-07	6.20491E-06	0.	2.50822E-04
66	1.05662E-05	6.59216E-06	2.28888E-05	1.02348E-06	2.83319E-07	5.31705E-06	0.	2.14932E-04
67	8.80325E-06	5.49227E-06	1.90698E-05	8.52717E-07	2.36048E-07	4.42990E-06	0.	1.79070E-04
68	7.04125E-06	4.39297E-06	1.52529E-05	6.82042E-07	1.88802E-07	3.54324E-06	0.	1.43228E-04
69	5.28024E-06	3.29430E-06	1.14382E-05	5.11465E-07	1.41582E-07	2.65708E-06	0.	1.07407E-04
70	3.51978E-06	2.19596E-06	7.62464E-06	3.40940E-07	9.43783E-08	1.77120E-06	0.	7.15973E-05
71	1.75980E-06	1.09792E-06	3.81211E-06	1.70461E-07	4.71966E-08	8.95550E-07	0.	3.57967E-05
72	0.	0.	0.	0.	0.	0.	0.	0.
INT. 73 THRU INT. 168 SAME AS ABOVE								

TABLE XXVIII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO.

N= 32

0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8
1	4.67054E-04	4.37114E-04	1.84384E-04	1.23293E-03	7.01350E-04	3.03149E-02	1.41981E-04	1.40898E-03
2	4.66855E-04	4.36893E-04	1.84285E-04	1.23233E-03	7.01096E-04	3.02929E-02	1.41964E-04	1.40873E-03
3	4.66653E-04	4.36670E-04	1.84186E-04	1.23172E-03	7.00839E-04	3.02827E-02	1.41946E-04	1.40847E-03
4	4.66449E-04	4.36443E-04	1.84085E-04	1.23110E-03	7.00579E-04	3.02654E-02	1.41928E-04	1.40822E-03
5	4.66242E-04	4.36215E-04	1.83983E-04	1.23048E-03	7.00316E-04	3.02498E-02	1.41910E-04	1.40796E-03
6	4.66034E-04	4.35983E-04	1.83880E-04	1.22985E-03	7.00051E-04	3.02331E-02	1.41892E-04	1.40770E-03
7	4.65823E-04	4.35749E-04	1.83775E-04	1.22921E-03	6.99782E-04	3.02162E-02	1.41874E-04	1.40743E-03
8	4.65610E-04	4.35513E-04	1.83670E-04	1.22856E-03	6.99510E-04	3.01991E-02	1.41855E-04	1.40716E-03
9	4.65394E-04	4.35274E-04	1.83563E-04	1.22791E-03	6.99236E-04	3.01818E-02	1.41837E-04	1.40689E-03
10	4.65176E-04	4.35032E-04	1.83456E-04	1.22725E-03	6.98959E-04	3.01643E-02	1.41818E-04	1.40662E-03
11	4.64955E-04	4.34787E-04	1.83347E-04	1.22659E-03	6.98678E-04	3.01466E-02	1.41798E-04	1.40634E-03
12	4.64732E-04	4.34540E-04	1.83236E-04	1.22591E-03	6.98394E-04	3.01287E-02	1.41779E-04	1.40606E-03
13	4.64507E-04	4.34290E-04	1.83125E-04	1.22523E-03	6.98107E-04	3.01106E-02	1.41759E-04	1.40578E-03
14	4.64279E-04	4.34038E-04	1.83012E-04	1.22454E-03	6.97817E-04	3.00924E-02	1.41740E-04	1.40550E-03
15	4.64049E-04	4.33782E-04	1.82899E-04	1.22384E-03	6.97523E-04	3.00739E-02	1.41720E-04	1.40521E-03
16	4.63816E-04	4.33524E-04	1.82783E-04	1.22314E-03	6.97227E-04	3.00552E-02	1.41699E-04	1.40491E-03
17	4.63580E-04	4.33262E-04	1.82667E-04	1.22243E-03	6.96927E-04	3.00363E-02	1.41679E-04	1.40462E-03
18	4.63342E-04	4.32998E-04	1.82549E-04	1.22170E-03	6.96623E-04	3.00172E-02	1.41658E-04	1.40432E-03
19	4.63101E-04	4.32731E-04	1.82430E-04	1.22098E-03	6.96316E-04	2.99978E-02	1.41637E-04	1.40402E-03
20	4.62859E-04	4.32462E-04	1.82310E-04	1.22024E-03	6.96008E-04	2.99784E-02	1.41616E-04	1.40371E-03
21	4.62611E-04	4.32188E-04	1.82188E-04	1.21949E-03	6.95693E-04	2.99585E-02	1.41594E-04	1.40340E-03
22	4.62362E-04	4.31911E-04	1.82065E-04	1.21874E-03	6.95375E-04	2.99386E-02	1.41573E-04	1.40309E-03
23	4.62110E-04	4.31632E-04	1.81940E-04	1.21798E-03	6.95055E-04	2.99184E-02	1.41551E-04	1.40277E-03
24	4.61856E-04	4.31350E-04	1.81815E-04	1.21721E-03	6.94731E-04	2.98980E-02	1.41529E-04	1.40245E-03
25	4.61598E-04	4.31064E-04	1.81687E-04	1.21643E-03	6.94403E-04	2.98773E-02	1.41506E-04	1.40213E-03
26	4.61338E-04	4.30776E-04	1.81559E-04	1.21564E-03	6.94071E-04	2.98564E-02	1.41484E-04	1.40181E-03
27	4.61074E-04	4.30484E-04	1.81428E-04	1.21485E-03	6.93736E-04	2.98353E-02	1.41461E-04	1.40147E-03
28	4.60808E-04	4.30189E-04	1.81297E-04	1.21404E-03	6.93397E-04	2.98140E-02	1.41438E-04	1.40114E-03
29	4.60539E-04	4.29890E-04	1.81164E-04	1.21323E-03	6.93055E-04	2.97924E-02	1.41414E-04	1.40080E-03
30	4.60267E-04	4.29588E-04	1.81029E-04	1.21240E-03	6.92708E-04	2.97705E-02	1.41391E-04	1.40046E-03
31	4.59992E-04	4.29283E-04	1.80893E-04	1.21157E-03	6.92358E-04	2.97485E-02	1.41367E-04	1.40012E-03
32	4.59713E-04	4.28974E-04	1.80756E-04	1.21073E-03	6.92003E-04	2.97261E-02	1.41342E-04	1.39977E-03
33	4.59432E-04	4.28663E-04	1.80617E-04	1.20988E-03	6.91645E-04	2.97035E-02	1.41318E-04	1.39941E-03
34	4.59147E-04	4.28347E-04	1.80476E-04	1.20902E-03	6.91283E-04	2.96807E-02	1.41293E-04	1.39906E-03
35	4.58860E-04	4.28028E-04	1.80334E-04	1.20815E-03	6.90916E-04	2.96577E-02	1.41268E-04	1.39870E-03
36	4.58569E-04	4.27706E-04	1.80190E-04	1.20727E-03	6.90546E-04	2.96343E-02	1.41243E-04	1.39833E-03
37	4.58275E-04	4.27380E-04	1.80045E-04	1.20638E-03	6.90172E-04	2.96108E-02	1.41217E-04	1.39796E-03
38	4.57977E-04	4.27050E-04	1.79898E-04	1.20548E-03	6.89793E-04	2.95869E-02	1.41191E-04	1.39759E-03
39	4.57677E-04	4.26716E-04	1.79749E-04	1.20457E-03	6.89410E-04	2.95628E-02	1.41165E-04	1.39721E-03
40	4.57373E-04	4.26379E-04	1.79599E-04	1.20365E-03	6.89023E-04	2.95384E-02	1.41139E-04	1.39683E-03

TABLE XXVIII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO.									
N= 32									
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	G=N+ 6	G=N+ 7	G=N+ 8	
41	4.57065E-04	4.26038E-04	1.79447E-04	1.20272E-03	6.88632E-04	2.95137E-02	1.41112E-04	1.39645E-03	
42	4.56754E-04	4.25693E-04	1.79293E-04	1.20178E-03	6.88236E-04	2.94888E-02	1.41085E-04	1.39606E-03	
43	4.56440E-04	4.25345E-04	1.79138E-04	1.20083E-03	6.87836E-04	2.94636E-02	1.41058E-04	1.39566E-03	
44	4.56122E-04	4.24993E-04	1.78981E-04	1.19987E-03	6.87431E-04	2.94381E-02	1.41030E-04	1.39526E-03	
45	4.55801E-04	4.24636E-04	1.78822E-04	1.19890E-03	6.87022E-04	2.94123E-02	1.41002E-04	1.39486E-03	
46	4.55476E-04	4.24276E-04	1.78662E-04	1.19791E-03	6.86608E-04	2.93863E-02	1.40974E-04	1.39445E-03	
47	4.55147E-04	4.23912E-04	1.78499E-04	1.19692E-03	6.86190E-04	2.93599E-02	1.40945E-04	1.39404E-03	
48	4.54815E-04	4.23543E-04	1.78335E-04	1.19591E-03	6.85767E-04	2.93333E-02	1.40916E-04	1.39362E-03	
49	4.54479E-04	4.23170E-04	1.78169E-04	1.19490E-03	6.85333E-04	2.93063E-02	1.40887E-04	1.39320E-03	
50	4.54139E-04	4.22794E-04	1.78001E-04	1.19387E-03	6.84906E-04	2.92791E-02	1.40858E-04	1.39277E-03	
51	4.53796E-04	4.22413E-04	1.77831E-04	1.19283E-03	6.84469E-04	2.92515E-02	1.40828E-04	1.39234E-03	
52	4.53449E-04	4.22028E-04	1.77660E-04	1.19179E-03	6.84027E-04	2.92237E-02	1.40798E-04	1.39191E-03	
53	4.53098E-04	4.21639E-04	1.77486E-04	1.19072E-03	6.83580E-04	2.91955E-02	1.40767E-04	1.39147E-03	
54	6.34298E-06	7.03356E-06	3.13492E-06	1.91854E-05	8.07611E-06	5.08753E-04	5.51735E-07	7.95733E-06	
55	5.98632E-06	6.63807E-06	2.95865E-06	1.81066E-05	7.62199E-06	4.80147E-04	5.20711E-07	7.50990E-06	
56	5.63039E-06	6.24338E-06	2.78273E-06	1.70300E-05	7.16880E-06	4.51598E-04	4.89751E-07	7.06337E-06	
57	5.27513E-06	5.84945E-06	2.60715E-06	1.59555E-05	6.71647E-06	4.23104E-04	4.58848E-07	6.61770E-06	
58	4.92055E-06	5.45626E-06	2.43190E-06	1.49830E-05	6.26501E-06	3.94664E-04	4.28006E-07	6.17287E-06	
59	4.56655E-06	5.06373E-06	2.25695E-06	1.38123E-05	5.81429E-06	3.66271E-04	3.97214E-07	5.72879E-06	
60	4.21312E-06	4.67192E-06	2.08227E-06	1.27433E-05	5.36430E-06	3.37924E-04	3.66472E-07	5.28541E-06	
61	3.86023E-06	4.28050E-06	1.90786E-06	1.16759E-05	4.91498E-06	3.09619E-04	3.35776E-07	4.84270E-06	
62	3.50780E-06	3.88970E-06	1.73368E-06	1.06099E-05	4.46625E-06	2.81352E-04	3.05120E-07	4.40056E-06	
63	3.15578E-06	3.49936E-06	1.55970E-06	9.54522E-06	4.01805E-06	2.53117E-04	2.74501E-07	3.95896E-06	
64	2.80417E-06	3.10946E-06	1.38591E-06	8.48170E-06	3.57036E-06	2.24915E-04	2.43916E-07	3.51785E-06	
65	2.45290E-06	2.71995E-06	1.21230E-06	7.41921E-06	3.12311E-06	1.96741E-04	2.13361E-07	3.07718E-06	
66	2.10191E-06	2.33075E-06	1.03883E-06	6.35760E-06	2.67622E-06	1.68588E-04	1.82832E-07	2.63687E-06	
67	1.75121E-06	1.94187E-06	8.65507E-07	5.29685E-06	2.22970E-06	1.40459E-04	1.52326E-07	2.19691E-06	
68	1.40069E-06	1.55320E-06	6.92273E-07	4.23666E-06	1.78342E-06	1.12346E-04	1.21837E-07	1.75719E-06	
69	1.05038E-06	1.16474E-06	5.19137E-07	3.17708E-06	1.33738E-06	8.42486E-05	9.13662E-08	1.31772E-06	
70	7.00181E-07	7.76412E-07	3.46054E-07	2.11783E-06	8.91495E-07	5.61598E-05	6.09042E-08	8.78385E-07	
71	3.50071E-07	3.88184E-07	1.73018E-07	1.05885E-06	4.45722E-07	2.80783E-05	3.04504E-08	4.39168E-07	
72	0.	0.	0.	0.	0.	0.	0.	0.	
INT. 73 THRU INT. 166 SAME AS ABOVE									

TABLE XXVIII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40						
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5	
1	1.91739E-02	7.31228E-03	1.07650E-02	3.84004E-02	4.57834E-02	
2	1.91643E-02	7.30878E-03	1.07642E-02	3.83883E-02	4.57713E-02	
3	1.91545E-02	7.30523E-03	1.07633E-02	3.83760E-02	4.57590E-02	
4	1.91447E-02	7.30165E-03	1.07624E-02	3.83636E-02	4.57466E-02	
5	1.91347E-02	7.29804E-03	1.07616E-02	3.83511E-02	4.57341E-02	
6	1.91247E-02	7.29440E-03	1.07607E-02	3.83384E-02	4.57214E-02	
7	1.91145E-02	7.29069E-03	1.07598E-02	3.83256E-02	4.57085E-02	
8	1.91042E-02	7.28695E-03	1.07589E-02	3.83127E-02	4.56956E-02	
9	1.90938E-02	7.28318E-03	1.07580E-02	3.82996E-02	4.56825E-02	
10	1.90833E-02	7.27935E-03	1.07571E-02	3.82863E-02	4.56692E-02	
11	1.90726E-02	7.27548E-03	1.07561E-02	3.82729E-02	4.56558E-02	
12	1.90619E-02	7.27158E-03	1.07552E-02	3.82594E-02	4.56422E-02	
13	1.90510E-02	7.26763E-03	1.07542E-02	3.82457E-02	4.56285E-02	
14	1.90400E-02	7.26363E-03	1.07533E-02	3.82318E-02	4.56147E-02	
15	1.90289E-02	7.25958E-03	1.07523E-02	3.82178E-02	4.56006E-02	
16	1.90176E-02	7.25551E-03	1.07513E-02	3.82037E-02	4.55865E-02	
17	1.90063E-02	7.25137E-03	1.07503E-02	3.81894E-02	4.55721E-02	
18	1.89948E-02	7.24719E-03	1.07493E-02	3.81749E-02	4.55576E-02	
19	1.89831E-02	7.24298E-03	1.07483E-02	3.81603E-02	4.55430E-02	
20	1.89714E-02	7.23873E-03	1.07472E-02	3.81456E-02	4.55283E-02	
21	1.89595E-02	7.23439E-03	1.07462E-02	3.81305E-02	4.55132E-02	
22	1.89475E-02	7.23002E-03	1.07451E-02	3.81154E-02	4.54980E-02	
23	1.89353E-02	7.22561E-03	1.07441E-02	3.81001E-02	4.54827E-02	
24	1.89230E-02	7.22115E-03	1.07430E-02	3.80846E-02	4.54672E-02	
25	1.89106E-02	7.21662E-03	1.07419E-02	3.80590E-02	4.54516E-02	
26	1.88980E-02	7.21207E-03	1.07408E-02	3.80532E-02	4.54357E-02	
27	1.88853E-02	7.20745E-03	1.07397E-02	3.80372E-02	4.54197E-02	
28	1.88725E-02	7.20279E-03	1.07386E-02	3.80210E-02	4.54035E-02	
29	1.88595E-02	7.19807E-03	1.07374E-02	3.80047E-02	4.53872E-02	
30	1.88464E-02	7.19330E-03	1.07363E-02	3.79982E-02	4.53706E-02	
31	1.88331E-02	7.18847E-03	1.07351E-02	3.79714E-02	4.53539E-02	
32	1.88196E-02	7.18359E-03	1.07339E-02	3.79545E-02	4.53369E-02	
33	1.88061E-02	7.17866E-03	1.07327E-02	3.79375E-02	4.53198E-02	
34	1.87923E-02	7.17368E-03	1.07315E-02	3.79202E-02	4.53025E-02	
35	1.87785E-02	7.16862E-03	1.07303E-02	3.79027E-02	4.52850E-02	
36	1.87644E-02	7.16354E-03	1.07291E-02	3.78850E-02	4.52673E-02	
37	1.87502E-02	7.15838E-03	1.07278E-02	3.78672E-02	4.52495E-02	
38	1.87359E-02	7.15316E-03	1.07266E-02	3.78491E-02	4.52314E-02	
39	1.87214E-02	7.14789E-03	1.07253E-02	3.78303E-02	4.52131E-02	
40	1.87067E-02	7.14257E-03	1.07240E-02	3.78124E-02	4.51946E-02	

TABLE XXVIII. (Continued)

(photons/cm³ sec)

0 DISTRIBUTED SOURCE - G=GROUP NO. N= 40					
0 INT.	G=N+ 1	G=N+ 2	G=N+ 3	G=N+ 4	G=N+ 5
41	1.86919E-02	7.13718E-03	1.07227E-02	3.77937E-02	4.51759E-02
42	1.86769E-02	7.13173E-03	1.07214E-02	3.77748E-02	4.51570E-02
43	1.86617E-02	7.12622E-03	1.07201E-02	3.77557E-02	4.51379E-02
44	1.86464E-02	7.12065E-03	1.07187E-02	3.77364E-02	4.51185E-02
45	1.86308E-02	7.11501E-03	1.07174E-02	3.77169E-02	4.50990E-02
46	1.86152E-02	7.10931E-03	1.07160E-02	3.76972E-02	4.50752E-02
47	1.85993E-02	7.10355E-03	1.07146E-02	3.76772E-02	4.50593E-02
48	1.85833E-02	7.09772E-03	1.07132E-02	3.76571E-02	4.50390E-02
49	1.85671E-02	7.09184E-03	1.07118E-02	3.76366E-02	4.50186E-02
50	1.85507E-02	7.08589E-03	1.07103E-02	3.76160E-02	4.49979E-02
51	1.85341E-02	7.07987E-03	1.07089E-02	3.75952E-02	4.49771E-02
52	1.85173E-02	7.07377E-03	1.07074E-02	3.75741E-02	4.49559E-02
53	1.85004E-02	7.06762E-03	1.07059E-02	3.75527E-02	4.49346E-02
54	3.06094E-04	1.11189E-04	2.68567E-05	3.85245E-04	3.85793E-04
55	2.88883E-04	1.04937E-04	2.53466E-05	3.63584E-04	3.64100E-04
56	2.71706E-04	9.86979E-05	2.38395E-05	3.41365E-04	3.42451E-04
57	2.54563E-04	9.24702E-05	2.23353E-05	3.20339E-04	3.20844E-04
58	2.37452E-04	8.62546E-05	2.08340E-05	2.98353E-04	2.99277E-04
59	2.20369E-04	8.00493E-05	1.93352E-05	2.77353E-04	2.77747E-04
60	2.03314E-04	7.38539E-05	1.78387E-05	2.55387E-04	2.56251E-04
61	1.86283E-04	6.76679E-05	1.63446E-05	2.34454E-04	2.34787E-04
62	1.69276E-04	6.14899E-05	1.48523E-05	2.13049E-04	2.13352E-04
63	1.52288E-04	5.53193E-05	1.33618E-05	1.91568E-04	1.91940E-04
64	1.35320E-04	4.91555E-05	1.18730E-05	1.70312E-04	1.70554E-04
65	1.18369E-04	4.29980E-05	1.03857E-05	1.48878E-04	1.49189E-04
66	1.01432E-04	3.68454E-05	8.89965E-06	1.27660E-04	1.27842E-04
67	8.45082E-05	3.06978E-05	7.41475E-06	1.06361E-04	1.06512E-04
68	6.75936E-05	2.45535E-05	5.93067E-06	8.50723E-05	8.51932E-05
69	5.06885E-05	1.84128E-05	4.44741E-06	6.37959E-05	6.38865E-05
70	3.37837E-05	1.22738E-05	2.96463E-06	4.25260E-05	4.25864E-05
71	1.68934E-05	6.13658E-06	1.48223E-06	2.12619E-05	2.12921E-05
72	0.	0.	0.	0.	0.

INT. 73 THRU INT. 168 SAME AS ABOVE

III. GAMMA-RAY CROSS SECTIONS

The 45 energy group structure used in this work is not one of the standard sets used in generating multigroup gamma-ray cross section sets (for example, sets used in Ref. 18). For this reason, we have developed an extensive library of multigroup, P_3 , gamma-ray cross sections for the elements of interest in sandstone ore bodies, air, biomass and soils. Table XXIX lists the elements and atom densities for the sandstone orebody (Ref. 13), and Table XXX lists similar data for air.

The SMUG code (Ref. 19) was used to generate the needed 45 energy group, P_3 , microscopic gamma-ray cross sections. SMUG is part of the AMPX code system developed by Oak Ridge National Laboratory for cross section manipulations. The point cross section data base used to generate the 45 energy group microscopic gamma-ray cross section set is the DLC-7 library which is part of the AMPX system. DLC-7 is based on ENDFB/IV data.

Development of the 45 energy group cross section library included verification of results and generation of the library. The verification process included 1) generation of a 13 group cross set to compare with cross sections used in previous work (Refs. 13 and 14); 2) comparison of 45 energy group results with other available libraries such as DLC 41 (Ref. 19), the CASK library (Ref. 20) and data in Ref. 21. We were able to reproduce the thirteen group data. Figure 2 illustrates data from the 45 energy group library and the data of other sources for the oxygen total cross section. The agreement shown in Fig. 2 for oxygen is typical of the comparative results found for all elements of interest in this study. The various cross section data sets compare very

TABLE XXIX. ATOM DENSITIES FOR ELEMENTS IN SANDSTONE

Porosity 20 Percent

Water Saturation 25 Percent of pore space

Density = 2.168 g/cm³

Element	Atomic Density (atoms/barn-cm)			Total
	Sandstone	Water	Air*	
H		3.3370E-3		3.3370E-3
C	1.4681E-3			1.4681E-3
N			5.3131E-6	5.3131E-6
O	4.1256E-2	1.6700E-3	1.2478E-6	4.2927E-2
Na	1.8338E-4	2.0040E-7		1.8358E-4
Mg	3.7257E-4			3.7257E-4
Al	1.1964E-3			1.1964E-3
Si	1.6708E-2			1.6708E-2
K	3.5979E-4			3.5979E-4
Ca	1.2562E-3	9.0157E-8		1.2563E-3
Ti	2.6655E-5			2.6655E-5
Cr	9.2661E-7			9.2661E-7
Fe	2.2603E-4			2.2603E-4
U	6.0724E-7			6.0724E-7

*Refer to Table XXX.

TABLE XXX. ATOM DENSITIES FOR ELEMENTS IN AIR*

Element	Atom Density (atom/cm ³)
N	4.19 x 10 ¹⁹
O	1.13 x 10 ¹⁹
Ar	2.53 x 10 ¹⁷

*Atom densities for an air density of 1.29 x 10⁻³ g/cm³.

Fig. 2. Oxygen Total Cross Section

well and give confidence in the 45 energy group microscopic P_3 cross section library generated for this work.

The AXMIX code (Ref. 19) was used with the 45 energy group, P_3 , microscopic cross section data to produce macroscopic cross section libraries for air and sandstone without uranium (see Tables XXIX and XXX). The macroscopic cross sections for sandstone with various concentrations of uranium and thorium and with additional potassium to raise the potassium to 2.5% by weight were obtained by mixing in ANISN the macroscopic cross sections for sandstone without uranium with cross sections and atom densities for the various concentrations of uranium, thorium and potassium considered in the calculations.

A review of the literature on the compositions and densities of soils, clays, sands and rocks was conducted (Refs. 22, 23, 24). Table XXXI lists the average density for different types of soils and rocks. It was found that the density varied between 1.15 g/cm^3 and 3.0 g/cm^3 . The average atomic number for the elements making up the crust is about 12. For sandstone, the average atomic number is 11.05. For sand (SiO_2), the average atomic number is 10.8. Thus it appears that the average atomic number of 11.05 could be taken as representative of most sands, clays and rocks. For this reason, we have chosen to use the cross section data for sandstone to represent that for soil. Since the gamma-ray attenuation properties of a given material is dependent on its density and its thickness, we can use the transmission data generated for a thickness τ_1 and density ρ_1 to estimate the thickness τ_2 required to give the same transmission when the density is ρ_2 . Thus

TABLE XXXI. DENSITIES OF CLAY, LOAM, SAND AND ROCK

	g/cm ³
Moist clay	1.66 - 2.64
Clay with some gravel	2.48
Dry loose loam	1.15 - 1.28
Dry moderately rammed loam	1.44 - 1.60
Mud, moderately pressed	1.76 - 2.08
Pure quartz sand, rammed	1.60 - 1.92
Natural sand with average water content	1.87
Gravel	1.44 - 1.92
Greenstone	3.0
Limestone	2.7
Sandstone	2.16
Shales	2.6
Slate	2.8
Granite	2.65
Compact trap rocks	3.0
Average density of earth's crust	2.92

the thickness of a soil overburden of density ρ_2 that would produce the same transmission for gamma rays through a sandstone overburden of thickness τ_1 is

$$\tau_2 = \tau_1 \rho_2 / 2.168$$

where ρ_2 is in g/cm^3 , τ_1 and τ_2 are in cm, and $\rho_1 = 2.168 \text{ g/cm}^3$.

The air density used in generating the macroscopic gamma-ray cross sections for air was $1.055 \times 10^{-3} \text{ g/cm}^3$. The air cross sections were multiplied in ANISN by an altitude profile to obtain the altitude variation of the air cross sections. The altitude profile was developed for a ground level air density of $1.182 \times 10^{-3} \text{ g/cm}^3$, the air density at 364.2 ft altitude. The altitude profile for the air cross sections is given in Table XXXII.

Table XXXIII lists the macroscopic total gamma-ray cross sections in the 45 energy group structure for air, sandstone with 3.2PPM uranium, sandstone with 200PPM uranium, sandstone with 800PPM uranium, sandstone with 12PPM thorium, 10.2 kg/m^3 biomass, 20.4 kg/m^3 biomass, 51.0 kg/m^3 biomass, 102 kg/m^3 biomass, and sandstone with 2.5% potassium.

It was found that the total cross sections for sandstone did not change significantly with changes in the uranium or thorium concentration except when the sandstone contained 800PPM of uranium.

TABLE XXXII. ALTITUDE PROFILE OF AIR DENSITY PROFILE

AIR DENSITY FACTOR	UPPER BOUND OF ATMOSPHERIC LAYER(cm)
1.12003E+00	1.71100+00
1.12003E+00	1.01711+02
1.12003E+00	2.01711+02
1.12003E+00	3.01711+02
1.12003E+00	4.01711+02
1.12003E+00	5.01712+02
1.12003E+00	6.01712+02
1.12003E+00	7.01712+02
1.12003E+00	8.01712+02
1.12003E+00	9.01710+02
1.12003E+00	1.00171+03
1.11919E+00	1.68038+03
1.11835E+00	2.35905+03
1.11751E+00	3.03771+03
1.11668E+00	3.71638+03
1.11585E+00	4.39505+03
1.11502E+00	5.07372+03
1.11420E+00	5.75238+03
1.11337E+00	6.43105+03
1.11255E+00	7.10972+03
1.11173E+00	7.78838+03
1.11092E+00	8.36705+03
1.10970E+00	9.14572+03
1.10809E+00	1.06697+04
1.10647E+00	1.21937+04
1.10484E+00	1.37177+04
1.10319E+00	1.52417+04
1.10154E+00	1.67657+04
1.09991E+00	1.82897+04
1.09829E+00	1.98137+04
1.09667E+00	2.13377+04
1.09506E+00	2.28617+04
1.09344E+00	2.43857+04
1.09183E+00	2.59097+04
1.09021E+00	2.74337+04
1.08859E+00	2.89577+04
1.08697E+00	3.04817+04
1.08536E+00	3.20057+04
1.08374E+00	3.35297+04
1.08212E+00	3.50537+04
1.08050E+00	3.65777+04
1.07890E+00	3.81017+04
1.07731E+00	3.96257+04
1.07572E+00	4.11497+04
1.07412E+00	4.26737+04
1.07252E+00	4.41977+04
1.07090E+00	4.57217+04
1.06928E+00	4.72457+04

TABLE XXXII. (Continued)

AIR DENSITY FACTOR	UPPER BOUND OF ATMOSPHERIC LAYER(cm)
1.06768E+00	4.87697+04
1.06609E+00	5.02937+04
1.06450E+00	5.18177+04
1.06292E+00	5.33417+04
1.06132E+00	5.48657+04
1.05974E+00	5.63897+04
1.05816E+00	5.79137+04
1.05659E+00	5.94377+04
1.05504E+00	6.09617+04
1.05347E+00	6.24857+04
1.05190E+00	6.40097+04
1.05031E+00	6.55338+04
1.04872E+00	6.70578+04
1.04714E+00	6.85818+04
1.04558E+00	7.19013+04
1.04402E+00	7.16298+04
1.04247E+00	7.36315+04
1.04091E+00	7.46778+04
1.03935E+00	7.62018+04
1.03779E+00	7.77258+04
1.03623E+00	7.92498+04
1.03467E+00	8.07738+04
1.03311E+00	8.22978+04
1.03155E+00	8.35218+04
1.02999E+00	8.53458+04
1.02843E+00	8.68698+04
1.02689E+00	8.83938+04
1.02535E+00	8.99168+04
1.02382E+00	9.14418+04
1.02229E+00	9.29656+04
1.02077E+00	9.44896+04
1.01924E+00	9.60136+04
1.01771E+00	9.75376+04
1.01617E+00	9.90616+04
1.01464E+00	1.00587+05
1.01311E+00	1.02111+05
1.01158E+00	1.03635+05
1.01005E+00	1.05159+05
1.00852E+00	1.06683+05
1.00699E+00	1.08207+05
1.00546E+00	1.09731+05
1.00392E+00	1.11255+05
1.00240E+00	1.12779+05
1.00090E+00	1.14303+05
9.99396E-01	1.15828+05
9.97892E-01	1.17352+05
9.96374E-01	1.18876+05
9.94843E-01	1.20400+05

TABLE XXXIII. GAMMA-RAY TOTAL CROSS SECTIONS FOR ORE, SOIL, BIOMASS AND AIR

Total Cross Section (cm^{-1})

UPPER ENERGY BOUND (MEV)	DENSITY OF BIOMASS IN AIR PLUS BIOMASS REGION (KG/M^3)				
	0.0(air)*	10.2	20.4	51.0	102.0
3.080	3.7102E-05	1.0283E-04	1.6411E-04	3.4745E-04	6.5433E-04
2.996	3.9523E-05	1.0953E-04	1.7480E-04	3.7007E-04	6.9692E-04
2.410	4.2098E-05	1.1666E-04	1.8617E-04	3.9414E-04	7.4224E-04
2.380	4.2484E-05	1.1773E-04	1.8787E-04	3.9775E-04	7.4903E-04
2.330	4.4444E-05	1.2316E-04	1.9853E-04	4.1608E-04	7.8356E-04
2.010	4.6982E-05	1.3018E-04	2.0773E-04	4.3977E-04	8.2816E-04
1.900	4.7954E-05	1.3289E-04	2.1207E-04	4.4897E-04	8.4549E-04
1.860	4.9601E-05	1.3751E-04	2.1947E-04	4.6468E-04	8.7512E-04
1.670	5.1132E-05	1.4168E-04	2.2609E-04	4.7864E-04	9.0137E-04
1.661	5.2093E-05	1.4434E-04	2.3033E-04	4.8782E-04	9.1827E-04
1.556	5.3426E-05	1.4803E-04	2.3622E-04	5.0010E-04	9.4177E-04
1.510	5.4131E-05	1.4998E-04	2.3934E-04	5.0668E-04	9.5417E-04
1.480	5.5589E-05	1.5402E-04	2.4578E-04	5.2032E-04	9.7984E-04
1.360	5.6864E-05	1.5758E-04	2.5146E-04	5.3237E-04	1.0026E-03
1.357	5.7645E-05	1.5970E-04	2.5483E-04	5.3947E-04	1.0159E-03
1.290	5.9398E-05	1.6457E-04	2.6262E-04	5.5598E-04	1.0470E-03
1.208	6.0907E-05	1.6876E-04	2.6929E-04	5.7010E-04	1.0736E-03
1.170	6.2359E-05	1.7278E-04	2.7572E-04	5.8371E-04	1.0992E-03
1.100	6.4300E-05	1.7838E-04	2.8464E-04	6.0260E-04	1.1348E-03
1.030	6.5953E-05	1.8274E-04	2.9160E-04	6.1734E-04	1.1625E-03
0.998	6.6946E-05	1.8549E-04	2.9599E-04	6.2663E-04	1.1801E-03
0.969	6.7583E-05	1.8724E-04	2.9879E-04	6.3255E-04	1.1912E-03
0.960	6.8576E-05	1.9003E-04	3.0325E-04	6.4201E-04	1.2090E-03
0.912	6.9471E-05	1.9247E-04	3.0714E-04	6.5021E-04	1.2244E-03
0.910	7.1934E-05	1.9904E-04	3.1761E-04	6.7240E-04	1.2662E-03
0.790	7.4746E-05	2.0710E-04	3.3048E-04	6.9965E-04	1.3176E-03
0.770	7.5537E-05	1.8612E-04	2.8763E-04	5.9129E-04	1.0998E-03
0.755	7.6462E-05	2.1186E-04	3.3908E-04	7.1572E-04	1.3478E-03
0.730	7.7297E-05	2.1417E-04	3.4177E-04	7.2354E-04	1.3625E-03
0.720	7.8546E-05	2.1762E-04	3.4727E-04	7.3518E-04	1.3845E-03
0.680	7.9836E-05	2.2121E-04	3.5299E-04	7.4730E-04	1.4073E-03
0.670	8.2059E-05	2.2739E-04	3.6206E-04	7.6821E-04	1.4467E-03
0.600	8.4724E-05	2.3475E-04	3.7461E-04	7.9307E-04	1.4935E-03
0.580	8.7352E-05	2.4203E-04	3.8622E-04	8.1764E-04	1.5398E-03
0.520	8.9842E-05	2.4893E-04	3.9723E-04	8.4095E-04	1.5836E-03
0.509	9.2146E-05	2.5532E-04	4.0742E-04	8.6253E-04	1.6243E-03
0.460	9.6501E-05	2.6739E-04	4.2669E-04	9.0332E-04	1.7011E-03
0.406	1.0242E-04	2.8380E-04	4.5289E-04	9.5879E-04	1.8056E-03
0.340	1.0627E-04	2.9446E-04	4.6989E-04	9.9480E-04	1.8734E-03
0.337	1.0877E-04	3.0140E-04	4.8097E-04	1.0183E-03	1.9176E-03
0.300	1.1436E-04	3.1690E-04	5.0570E-04	1.0706E-03	2.0162E-03
0.256	1.2266E-04	3.3990E-04	5.4242E-04	1.1484E-03	2.1626E-03
0.200	1.4082E-04	3.9040E-04	6.2308E-04	1.3193E-03	2.4845E-03
0.100	1.7188E-04	4.7829E-04	7.6407E-04	1.6191E-03	3.0503E-03
0.050	6.0697E-04	1.7869E-03	2.8939E-03	6.2053E-03	1.1750E-02

*Air cross sections for an air density of 1.055×10^{-3} . Altitude variation is obtained by multiplying by the density factors in Table XXXII.

TABLE XXXIII. (Continued)

UPPER ENERGY BOUND (MEV)	Total Cross Section (cm ⁻¹)			
	SANDSTONE OREBODY			
	SOIL*	3.2PPM U	200PPM U	800PPM U
3.090	7.8003E-02	7.8003E-02	7.8021E-02	7.8078E-02
2.996	8.2693E-02	8.2693E-02	8.2712E-02	8.2768E-02
2.410	8.7749E-02	8.7749E-02	8.7768E-02	8.7825E-02
2.380	8.8519E-02	8.8519E-02	8.8538E-02	8.8596E-02
2.330	9.2445E-02	9.2445E-02	9.2465E-02	9.2524E-02
2.010	9.7538E-02	9.7538E-02	9.7558E-02	9.7620E-02
1.900	9.9477E-02	9.9478E-02	9.9498E-02	9.9560E-02
1.860	1.0280E-01	1.0280E-01	1.0282E-01	1.0289E-01
1.670	1.0590E-01	1.0590E-01	1.0593E-01	1.0600E-01
1.661	1.0786E-01	1.0786E-01	1.0788E-01	1.0795E-01
1.556	1.1058E-01	1.1059E-01	1.1061E-01	1.1068E-01
1.510	1.1202E-01	1.1202E-01	1.1204E-01	1.1211E-01
1.480	1.1496E-01	1.1496E-01	1.1498E-01	1.1506E-01
1.360	1.1758E-01	1.1758E-01	1.1760E-01	1.1768E-01
1.357	1.1919E-01	1.1919E-01	1.1921E-01	1.1929E-01
1.290	1.2281E-01	1.2281E-01	1.2284E-01	1.2292E-01
1.208	1.2593E-01	1.2593E-01	1.2596E-01	1.2604E-01
1.170	1.2894E-01	1.2894E-01	1.2897E-01	1.2906E-01
1.100	1.3312E-01	1.3312E-01	1.3315E-01	1.3324E-01
1.030	1.3638E-01	1.3638E-01	1.3641E-01	1.3651E-01
0.998	1.3843E-01	1.3843E-01	1.3847E-01	1.3857E-01
0.969	1.3975E-01	1.3975E-01	1.3979E-01	1.3989E-01
0.960	1.4181E-01	1.4181E-01	1.4185E-01	1.4195E-01
0.912	1.4367E-01	1.4367E-01	1.4370E-01	1.4381E-01
0.910	1.4856E-01	1.4856E-01	1.4860E-01	1.4872E-01
0.790	1.5460E-01	1.5460E-01	1.5464E-01	1.5477E-01
0.770	1.5623E-01	1.5623E-01	1.5627E-01	1.5641E-01
0.755	1.5816E-01	1.5816E-01	1.5821E-01	1.5834E-01
0.730	1.5989E-01	1.5989E-01	1.5994E-01	1.6008E-01
0.720	1.6248E-01	1.6248E-01	1.6253E-01	1.6268E-01
0.690	1.6516E-01	1.6516E-01	1.6521E-01	1.6537E-01
0.670	1.6979E-01	1.6978E-01	1.6983E-01	1.7000E-01
0.600	1.7532E-01	1.7533E-01	1.7539E-01	1.7557E-01
0.590	1.8079E-01	1.8079E-01	1.8086E-01	1.8107E-01
0.520	1.8598E-01	1.8599E-01	1.8606E-01	1.8629E-01
0.509	1.9080E-01	1.9080E-01	1.9088E-01	1.9113E-01
0.460	1.9992E-01	1.9992E-01	2.0002E-01	2.0033E-01
0.406	2.1241E-01	2.1241E-01	2.1254E-01	2.1295E-01
0.340	2.2050E-01	2.2056E-01	2.2072E-01	2.2121E-01
0.337	2.2589E-01	2.2590E-01	2.2608E-01	2.2663E-01
0.300	2.3799E-01	2.3800E-01	2.3824E-01	2.3899E-01
0.256	2.5644E-01	2.5645E-01	2.5683E-01	2.5802E-01
0.200	3.0351E-01	3.0352E-01	3.0451E-01	3.0751E-01
0.100	4.5928E-01	4.5931E-01	4.6115E-01	4.6678E-01
0.050	6.0060E+00	6.0063E+00	6.0262E+00	6.0869E+00

*Cross Sections for Sandstone without Uranium.

TABLE XXXIII. (Continued)

Total Cross Section (cm ⁻¹)		
UPPER ENERGY BOUND (MEV)	SANDSTONE OREBODY	
	2.5% K	12PPM Th
3.000	7.9079E-02	7.8004E-02
2.996	8.3823E-02	8.2694E-02
2.410	8.8939E-02	8.7750E-02
2.380	8.9719E-02	8.8520E-02
2.330	9.3693E-02	9.2446E-02
2.010	9.8850E-02	9.7530E-02
1.900	1.0081E-01	9.9479E-02
1.850	1.0418E-01	1.0280E-01
1.670	1.0732E-01	1.0591E-01
1.661	1.0930E-01	1.0766E-01
1.556	1.1206E-01	1.1059E-01
1.510	1.1352E-01	1.1202E-01
1.480	1.1649E-01	1.1496E-01
1.360	1.1915E-01	1.1758E-01
1.357	1.2078E-01	1.1919E-01
1.290	1.2445E-01	1.2281E-01
1.208	1.2761E-01	1.2593E-01
1.170	1.3066E-01	1.2895E-01
1.100	1.3490E-01	1.3312E-01
1.030	1.3820E-01	1.3638E-01
0.998	1.4028E-01	1.3844E-01
0.969	1.4162E-01	1.3975E-01
0.960	1.4370E-01	1.4181E-01
0.912	1.4558E-01	1.4367E-01
0.910	1.5055E-01	1.4857E-01
0.790	1.5666E-01	1.5460E-01
0.770	1.5832E-01	1.5623E-01
0.755	1.6027E-01	1.5816E-01
0.730	1.6203E-01	1.5989E-01
0.720	1.6465E-01	1.6248E-01
0.680	1.6737E-01	1.6517E-01
0.670	1.7206E-01	1.6978E-01
0.600	1.7767E-01	1.7533E-01
0.580	1.8321E-01	1.8080E-01
0.520	1.8847E-01	1.8599E-01
0.509	1.8335E-01	1.9080E-01
0.460	2.0261E-01	1.9993E-01
0.406	2.1527E-01	2.1241E-01
0.340	2.2353E-01	2.2057E-01
0.337	2.2895E-01	2.2591E-01
0.300	2.4123E-01	2.3801E-01
0.256	2.5999E-01	2.5646E-01
0.200	3.0811E-01	3.0357E-01
0.100	4.7030E-01	4.5939E-01
0.050	6.3014E+00	6.0072E+00

IV. CALCULATIONAL METHODS

The energy and angular distribution of gamma rays as a function of height above ground level has been computed for the sources described in Section II. The uncollided component of the flux density was computed with techniques developed in earlier work (Ref. 14). The total (uncollided plus scattered) was computed using the discrete ordinates transport code, ANISN (Ref. 16). Section 4.1 summarizes the uncollided flux methodology; section 4.2 discusses the discrete ordinates calculation.

4.1. Uncollided Gamma-Ray Flux Density Calculation

The point kernel method was used to develop an expression for the gamma-ray uncollided energy and angular distribution at various altitudes above ground. Section 3.1 of Ref. 14 discusses the method in detail. Figure 3 illustrates the geometry. The flux density at the detector is given by:

$$\phi = S_v \int_0^{2\pi} \int_0^h \int_0^\infty \frac{\exp \left[- \frac{z \sqrt{r^2 + (a+x)^2}}{a+x} \right]}{4\pi (r^2 + (a+x)^2)} r dx dr d\alpha, \quad (21)$$

where h is the thickness of the source region, σ_g and σ_a are the gamma-ray attenuation coefficients in the ore and air, respectively, $b_3 = z = b_1 + x\sigma_g$ and $b_1 = a\sigma_a$.

Performance of the integral yields the flux density, ϕ :

$$\phi = \frac{S_v}{2\sigma_g} \left[E_2(b_1) - E_2(b_3) \right]. \quad (22)$$

Computation of the angular distribution of gamma-rays at the detector requires gamma-ray current at the ground surface: $J = S_v/2\sigma_g$ (Ref. 14). The flux per steradian is then

$$\phi(a, \theta) = \left[\frac{S_v}{4\pi\sigma_g} \right] e^{-b_1 \sec \theta}. \quad (23)$$

Fig. 3. Geometry Used For Point Kernel Calculations of Uncollided Photon Flux

The uncollided flux density calculations also included cases in which S_v varies with depth in the ground. For this case, the ground source is divided into slabs of finite thickness. Each slab is assumed to have a constant source strength $S_v(x_i)$. The analysis is similar to the constant source case. The result at the air-ground interface is:

$$\phi(x=0) = \sum_i \frac{S_v(x_i)}{2\sigma_g} \left[E_2(x_i\sigma_g) - E_2(x_{i+1}\sigma_g) \right],$$

where $x_{i+1} = x_i + \Delta x$ and $x_{i=0} = 0.0$.

4.2 The One Dimensioned Discrete Ordinates Computational Method.

The methodology is treated in detail elsewhere (Refs. 25 to 27). We summarize the method here as in Ref. 14. The general equation describing the transport of gamma rays through matter is an integro-differential equation in six variables (3-space, 2-direction, 1-energy). Many authors (Refs. 25, 26, 27) describe the one-dimensional discrete ordinates solution to the equation. We will discuss the method only briefly here. The reader is referred to the literature for more information on the method.

The gamma-ray transport equation in one dimension for gamma rays in the energy range E to $E + dE$ is

$$\begin{aligned} \mu \frac{d\phi}{dX}(X, E, \mu) + \Sigma_t(X, E) \phi(X, E, \mu) \\ = \int dE' \int_{-1}^1 d\mu' \Sigma_s(E' \rightarrow E, \mu' \rightarrow \mu) \phi(X, E', \mu') + S(E, X, \mu), \quad (25) \end{aligned}$$

where

$\phi(X, E, \mu)$ = number of gamma rays per cm^2 per sec at spatial position X with energies in range E to $E+dE$ and directions in the solid angle $d\Omega$ around the polar angle θ ;

μ = cosine of the polar angle θ ;

$\Sigma_t(X, E)$ = total gamma-ray cross section for energy E at position X ;

E = gamma-ray energy;

$\Sigma_s(E' \rightarrow E, \mu' \rightarrow \mu)$ = transfer cross section for gamma rays scattering from energy E' to E and direction μ' to μ in $d\Omega$ about θ ;

$S(X, E, \mu)$ = gamma-ray volumetric source distribution.

The discrete ordinates methods involves, 1) formulating the equation for various energy groups, 2) performing the integral numerically using a discrete set of angles, and 3) casting the resulting equation in finite difference form. Computer programs are available to solve the resulting algebraic equation subject to appropriate boundary conditions.

The calculations herein use the one-dimensional discrete ordinates code ANISN (Ref. 16). The code requires as input, 1) description of problem geometry (slab, cylinder or sphere), 2) description of material regions, 3) energy group structure, 4) boundary conditions, and 5) gamma-ray interaction cross sections.

Figure 4 illustrates the geometry for the problem. For the case of dirt overburden, the soil region is made up of a portion containing ore and the remainder dirt. The source strength, not the material descriptions, distinguishes the two regions.

4.3. Task 2 Calculations - Sandstone Ore Body Source.

Task 2 calculations were for uranium, potassium and thorium sources in the sandstone ore body. Table XXXIV lists the cases considered.

Fig. 4. Geometry Model for the Ground Cover Calculations

TABLE XXXIV. U, K AND Th SOURCE STRENGTHS

<u>Source</u>	CONCENTRATION (PPM or PERCENT)		
U	3.2PPM	200PPM	800PPM
Th	12PPM	25PPM	80PPM
K	2.5%		

This task also required consideration of the effects of vegetation, in a 10 meter tall region above ground on the energy and angular distribution of gamma rays in the air above ground. Biomass densities used in the calculations were the same as those used in a previous work (Ref. 14). Table XXXV lists the atom density for all elements in the vegetation layer as a function of biomass density in kg/m^2 .

TABLE XXXV. ATOM DENSITIES FOR ELEMENTS IN VEGETATION REGION

Element	(atoms/barn cm)			
	Biomass Density (kg/m^2)			
	10.2	20.4	51.0	102.
Air	1.11820+0	1.11630+0	1.11080+0	1.10160+0
Hydrogen	4.63388-3	9.26786-5	2.31280-5	4.63388-4
Carbon	9.91795-6	1.98379-5	4.95969-5	9.91796-5
Oxygen	2.31779-5	4.63558-5	1.15790-4	2.31779-4

A green biomass density of 10.2 kg/m^2 corresponds to a tree density of 600 Jack Pine Trees per acre (Ref. 14). The literature survey reported in Ref. 14 shows that ground-cover vegetation green biomass varies from 0.494 kg/m^2 to 4.94 kg/m^2 and green-tree biomass varies from 3.40 kg/m^2 to 102.0 kg/m^2 .

Calculations were performed to determine both the uncollided and the total flux densities as a function of position in air, direction, energy and green biomass density.

4.4. Task 3 Calculations - Airborne Sources.

The calculational geometry models for this task were the same as that for Task 2 with no vegetation. Radon sources were considered to be either constant with altitude or varied exponentially as discussed in Section 2.3.4. For each type of source, calculations were performed with no inversion layer and with each of the three inversion layers described in Section 2.3.4.

The calculations were performed for both uncollided and total flux densities.

4.5. Task 4 Calculations - Sources in Ore Body Covered by Dirt (with Natural Sources).

The 32.509 cm thick dirt layer was divided into four approximately equal parts (cuts correspond to the space mesh used in ANISN). The dirt layer was assumed to contain 3.2PPM uranium, 12PPM thorium and 2.5% potassium. The orebody is to have uranium source strengths of 3.2PPM, 200PPM and 800PPM. The effects of vegetation were not considered.

Calculations were performed for each of the dirt sources (U, Th, K) for all 4 layers with no ore source below, and for all four dirt layers source free with each of the uranium ore sources in the orebody.

Both uncollided and total flux densities were computed.

V. DESCRIPTION OF THE DATA BASE

The calculated energy, angular and height distributions are stored on 8 track magnetic tape for retrieval use by BENDIX Field Engineering Corporation. The data is written at 800 bpi with a block length of 3200 and a logical record length of 80. The data are formatted and are in ASCII.

The data are stored on tape in the following order:

1. Identification Number
2. Total flux density, $\int_{E_g}^{E_{g+1}} dE\phi(z, E)$
3. Identification Number
4. Energy, Angular and height Distribution.

Table XXXVI gives the formats used to store the data for each problem configuration on magnetic tape. Table XXXVII lists the height intervals used for the data stored on magnetic tape. Table XXXVIII lists the cosines of the detector polar angle and the quadrature weights used in computing the flux densities.

The problem identification number is a seven digit code describing a particular configuration. Table XXXIX gives a description of the code numbers and their meaning. For example

23800200

means a Task 2 (2) potassium ground (or ore) source (3) with a strength of 2.5 percent (8) no air source (0 0), a biomass layer of 20.4 kg/m² (2), no dirt overburden layer (0) and no source in the dirt overburden (0).

Data types 1 to 4, as described above, have been stored on tape for each of the problem identification numbers. Labels on each of the tapes provided to BFEC give the identification numbers for the problem data stored on the tape and give information on whether the data are for uncollided or total gamma rays. Table XL gives a catalog of the problem

TABLE XXXVI. TAPE FORMAT

CARD	FORMAT	DESCRIPTION
A	I12	Identification Number (Tables XLI, XLII, and XLIII).
B	6E12.4	For each energy group the energy dependent flux density is written as (PHI(I), I=1, 96) where I refers to a spatial position (see Table XXXVII). One set of records/energy group. There are 45 energy groups.
C	I12	Identification Number same as Card A
D	6E12.4	For each energy group the energy angle dependent flux density is written as: (PHIA(I,J), I=1,96), J=1,9) where I refers to spatial position (Table XXXVII) and J refers to cosine of an angle (Table XXXVIII). One set of records/energy group.

Cards A to D are repeated for each identification number

TABLE XXXVII. BOUNDS OF HEIGHT INTERVALS

INT.	ALTITUDE (CM)	INT.	ALTITUDE (CM)	INT.	ALTITUDE (CM)	INT.	ALTITUDE (CM)
1	1.711	2	101.711	3	201.711	4	301.711
5	401.711	6	501.712	7	601.711	8	701.711
9	801.711	10	901.711	11	1001.711	12	1680.380
13	2359.050	14	3037.710	15	3716.380	16	4395.051
17	5073.719	18	5752.379	19	6431.051	20	7109.719
21	7788.379	22	8467.051	23	9145.719	24	10669.719
25	12193.719	26	13717.719	27	15241.719	28	16765.719
29	18289.719	30	19813.719	31	21337.719	32	22861.719
33	24385.719	34	25909.719	35	27433.719	36	28957.719
37	30481.719	38	32005.719	39	33529.719	40	35053.719
41	36577.719	42	38101.719	43	39625.719	44	41149.719
45	42673.719	46	44197.719	47	45721.719	48	47245.719
49	48769.719	50	50293.719	51	51817.719	52	53341.719
53	54865.719	54	56389.719	55	57913.719	56	59437.719
57	60961.719	58	62485.719	59	64009.719	60	65533.832
61	67057.813	62	68581.813	63	70125.813	64	71629.813
65	73153.813	66	74677.813	67	76201.813	68	77725.813
69	79249.813	70	80773.813	71	82297.813	72	83821.813
73	85345.813	74	86869.813	75	88393.813	76	89917.813
77	91441.813	78	92965.625	79	94489.625	80	96013.625
81	97537.625	82	99061.625	83	100585.500	84	102110.500
85	103634.500	86	105159.500	87	106692.500	88	108206.500
89	109730.500	90	111254.500	91	112778.500	92	114302.500
93	115827.500	94	117351.500	95	118875.500	96	120399.500
97	0.						

TABLE XXXVIII. COSINES OF POLAR ANGLES AND QUADRATURE
WEIGHTS USED IN COMPUTING FLUX DENSITIES

GROUP (J)	COSINE	QUADRATURE WEIGHT
1	-9.75901-01*	0
2	-9.51192-01	6.04939-02
3	-7.86797-01	9.07409-02
4	-5.77351-01	1.37037-01
5	-2.18218-01	2.11729-01
6	2.18218-01	2.11729-01
7	5.77351-01	1.37037-01
8	7.86797-01	9.07409-02
9	9.51192-01	6.04939-02

*Read -9.75901-01 as -9.75901×10^{-1}

TABLE XXXIX. KEY TO SEVEN DIGIT PROBLEM IDENTIFICATION NUMBERS

DATA ON TAPE KEYED TO A SEVEN DIGIT CODE :

TASK NO.	# OFE SOURCE	CODE NO.	OFE SOURCE STRENGTH	CODE NO.	AIR SOURCE TYPE	CODE NO.	BIO MASS (KG/M2)	CODE NO.	DIRT SOURCE	CODE NO.	DIRT SOURCE TYPE	CODE NO.
2	NONE	0	None	0	NONE	0	0.	1	NONE	0	NONE	0
3	U	1	3.2 PPM	1	CONS	1	10.2	2	LAYER 1	1	3.2 PPM U	1
4	TH	2	12.0 PPM	2	EXP	2	20.4	3	LAYER 2	2	12 PPM TH	2
	K	3	25.0 PPM	3			51.0	4	LAYER 3	3	2.5 % K	3
	RN	4	80.0 PPM	4			102.0	5	LAYER 4	4		
	RN11	5	139.0 PPM	5								
	RN12	6	200.0 PPM	6								
	RN13	7	800.0 PPM	7								
			2.5 %	8								
			1 BQ/M ³	9								

* RN REFERS TO RN AIR SOURCE;
RN11 TO RN13 REFER TO RN AIR SOURCE WITH INVERSION
LAYER UP TO 200, 850 AND 1500 FT RESPECTIVELY

TABLE XL. TAPE CATALOG

<u>Tape No.</u>	<u>Contents</u>		
	Total Flux Calculations For Identification Numbers		
RRA305	2110100	to	2110500
RRA305	2160100	to	2160500
RRA305	2170100	to	2170500
RRA305	2220100	to	2220500
RRA305	2230100	to	2230500
RRA305	2240100	to	2240500
RRA305	2380100	to	2380500
	Total Flux Calculations For Identification Numbers		
RRA309	3491100	to	3791100
RRA309	3492100	to	3792100
	Total Flux Calculations For Identification Numbers		
RRA307	4000111	to	4000141
RRA307	4000112	to	4000142
RRA307	4000113	to	4000143
RRA307	4110110	to	4110140
RRA307	4160110	to	4160140
RRA307	4170110	to	4170140
	Uncollided Flux Calculations For Identification Numbers		
RRA310	2110100	to	2110500
RRA310	2160100	to	2160500
RRA310	2170100	to	2170500
RRA310	2220100	to	2220500
RRA310	2230100	to	2230500
RRA310	2240100	to	2240500
RRA310	2380100	to	2380500
RRA310	4000111	to	4000141
RRA310	4000112	to	4000142
RRA310	4000113	to	4000143
RRA315	4110110	to	4110140
RRA315	4160110	to	4160140
RRA315	4170110	to	4170140
RRA315	3491100	to	3791100
RRA315	3492100	to	3792100

numbers for the data stored on each of the six tapes. Table XLI lists the problem numbers for the Task 2 problems which considered 3.2PPM, 200PPM and 800PPM uranium; 12PPM, 25PPM and 80PPM thorium; and 2.5% potassium in the orebody when the orebody was covered with 0, 10.2, 20.4, 51.0 and 102 kg/m² of green biomass. Table XLII lists the Task 3 problems for airborne gamma ray sources when there is no inversion layer and when the height of the inversion layer takes on values of 200, 850 and 1500 ft. Problem numbers are given for airborne sources with a constant emission with height and with an exponential fall off with height.

Tables XLIII lists the problem numbers for problems run with a dirt overburden above the ore body. Problems are listed for dirt overburden thicknesses of 10.266, 17.110, 26.399 and 32.509 cm when 3.2PPM uranium, 12PPM thorium and 2.5% potassium are considered for the radiation sources in the dirt overburden, and when 3.2PPM, 200PPM and 800PPM uranium sources are considered in the ore body.

TABLE XLI. PROBLEM NUMBERS FOR TASK 2 PROBLEMS:
K,U,T SOURCES IN SANDSTONE ORE BODY,
NO DIRT OVERBURDEN

Biomass Density (kg/m ³)	URANIUM CONCENTRATION		
	3.2PPM	200PPM	800PPM
0	2110100	2160100	2170100
10.2	2110200	2160200	2170200
20.4	2110300	2160300	2170300
51.0	2110400	2160400	2170400
102.0	2110500	2160500	2170500

Biomass Density (kg/m ³)	THORIUM CONCENTRATION		
	12PPM	25PPM	80PPM
0	2220100	2230100	2240100
10.2	2220200	2230200	2240200
20.4	2220300	2230300	2240300
51.0	2220400	2230400	2240400
102.0	2220500	2230500	2240500

Biomass Density (kg/m ³)	POTASSIUM	
	2.5%	
0	2380100	
10.2	2380200	
20.4	2380300	
51.0	2380400	
102.0	2380500	

TABLE XLII. PROBLEM NUMBER FOR TASK 3 PROBLEMS:
AIRBORNE RADON SOURCES

<u>Inversion Layer Height (ft)</u>	<u>Constant Radon* Source</u>	<u>Exponential* Radon Source</u>
No Inversion	3491100	3492100
200	3591100	3592100
850	3691100	3692100
1500	3791100	3792100

*Radon source strength at air/ground interface = 1Bq/m^3

TABLE XLIII. PROBLEM NUMBERS FOR TASK 4 PROBLEMS:
ORE BODY COVERED WITH DIRT OVERBURDEN

Overburden Thickness (cm)	3.2PPM Uranium in Overburden	12PPM Thorium in Overburden	2.5% Potassium in Overburden
10.266	4000111	4000112	4000113
17.110	4000121	4000122	4000123
26.399	4000131	4000132	4000133
32.509	4000141	4000142	4000143
Overburden Thickness (cm)	3.2PPM Uranium in Orebody	200PPM Uranium in Orebody	800PPM Uranium in Overburden
10.266	4110110	4160110	4170110
17.110	4110120	4160120	4170120
26.399	4110130	4160130	4170130
32.509	4110140	4160140	4170140

VI. CALCULATED DATA FOR 400 FT.

6.1 Description of Tabulated Data

It is not possible to include in this report all of the calculated flux densities for each problem. Therefore, we have tabulated the results for a 400 ft. receiver height above the ground surface. Tables XLIV, XLV, XLVI, XLVII, XLVIII, XLIX, and L list the total flux (integrated over 4π solid angle, photon/cm²-sec) in each of the 45 energy intervals for a detector positioned at 400 ft height above a sandstone ore body containing 3.2ppm uranium, 200ppm uranium, 800ppm uranium, 12ppm thorium, 25ppm thorium, 80ppm thorium and 2.5% potassium, respectively, for biomass densities of 0, 10.2, 20.4, 51.0 and 102.0 kg/m² in a 10 meter tall region above the ground surface. Tables LI and LII list the energy dependent total flux (integrated over 4π solid angle) at 400 ft in air for airborne sources with constant and exponential source variation with height, respectively, when there is no inversion layer and when the heights of the inversion layer are 65.22, 260.32 and 458.43 meters. The radon density in air at the air ground interface was taken to be 1.0 Bq/m³ in Tables LI and LII.

Tables LIII, LIV and LV list the energy dependent total flux at 400 ft height in air (integrated over 4π solid angle) for a sandstone orebody covered with a sandstone overburden with overburden thickness of 10.266, 17.110, 26.399 and 32.509cm when the overburden layers contained 3.2ppm uranium, 12ppm thorium and 2.5 percent potassium. Similar data are given in Tables LVI, LVII and LVIII for cases where uranium concentrations of 3.2ppm, 200ppm and 800ppm, respectively, are contained within the sandstone orebody and the orebody is covered with a sandstone overburden with overburden thickness of 10.266, 17.110, 26.399 and 32.509cm.

Tables LIX through CXXV list the polar angle distribution of the flux density from each of the 67 ANISN problems in each of the 45 gamma-ray energy groups for a detector at a height

of 400 ft above the ground surface (height interval 25 in Table XXXVII). The units of the flux density are 4π photons/cm²ster-sec. The total flux, $\phi(E_i, h=400 \text{ ft})$, is given by

$$\phi(E_i, h=400 \text{ ft}) = \sum_{j=1}^9 \phi(E_i, \theta_j, h=400 \text{ ft}) W_j$$

where $\phi(E_i, \theta_j, h=400 \text{ ft})$ is the flux density (photons/cm²-sec) in energy group E_i and polar angle θ_j and W_j is the quadrature weight (see Table XXXVIII for values of $\cos\theta_j$ and W_j). The flux from upper 2π solid angle is given by

$$\phi_u(E_i, h=400 \text{ ft}) = \sum_{j=1}^5 \phi(E_i, \theta_j, h=400 \text{ ft}) W_j.$$

Similarly, the flux from the lower 2π solid angle is given by

$$\phi_L(E_i, h=400 \text{ ft}) = \sum_{j=6}^9 \phi(E_i, \theta_j, h=400 \text{ ft}) W_j.$$

TABLE XLIV. TOTAL FLUX VERSUS ENERGY AND BIOMASS DENSITY:
3.2PPM URANIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² -sec)				
				BIOMASS DENSITY (kg/m ²)				
				0	10.2	20.4	51.0	102.0
K	ENERGY RANGE (MEV)	ID =		2110100	2110200	2110300	2110400	2110500
1	3.080	TO	2.996	5.4511E-05	5.1221E-05	4.8198E-05	4.0462E-05	3.0803E-05
2	2.996	TO	2.410	2.7337E-03	2.5703E-03	2.4199E-03	2.0348E-03	1.5524E-03
3	2.410	TO	2.380	4.3374E-05	4.1557E-05	3.9855E-05	3.5172E-05	2.8760E-05
4	2.380	TO	2.330	1.1625E-04	1.1034E-04	1.0487E-04	9.0395E-05	7.1505E-05
5	2.330	TO	2.010	9.9854E-03	9.3428E-03	8.7546E-03	7.2611E-03	5.4181E-03
6	2.010	TO	1.900	9.6105E-04	9.1804E-04	8.7788E-04	7.6817E-04	6.1944E-04
7	1.900	TO	1.860	9.3607E-04	8.7885E-04	8.2623E-04	6.9180E-04	5.2329E-04
8	1.860	TO	1.670	2.5180E-02	2.3446E-02	2.1864E-02	1.7880E-02	1.3035E-02
9	1.670	TO	1.661	1.3500E-03	1.2577E-03	1.1733E-03	9.6054E-04	7.0121E-04
10	1.661	TO	1.556	4.8894E-03	4.6267E-03	4.3824E-03	3.7428E-03	2.9090E-03
11	1.556	TO	1.510	2.3442E-03	2.2160E-03	2.0969E-03	1.7857E-03	1.3829E-03
12	1.510	TO	1.480	2.9662E-03	2.7729E-03	2.5959E-03	2.1462E-03	1.5905E-03
13	1.480	TO	1.360	1.2151E-02	1.1372E-02	1.0658E-02	8.8391E-03	6.5782E-03
14	1.360	TO	1.357	1.5680E-04	1.4946E-04	1.4252E-04	1.2386E-04	9.8523E-05
15	1.357	TO	1.290	3.7383E-03	3.5582E-03	3.3884E-03	2.9343E-03	2.3232E-03
16	1.290	TO	1.208	9.8365E-03	9.2011E-03	8.6189E-03	7.1353E-03	5.2941E-03
17	1.208	TO	1.170	2.9136E-03	2.7626E-03	2.6212E-03	2.2475E-03	1.7538E-03
18	1.170	TO	1.100	1.5782E-02	1.4648E-02	1.3617E-02	1.1030E-02	7.9069E-03
19	1.100	TO	1.030	7.1615E-03	6.7946E-03	6.4502E-03	5.5348E-03	4.3163E-03
20	1.030	TO	0.9980	3.5770E-03	3.3890E-03	3.2130E-03	2.7475E-03	2.1323E-03
21	0.9980	TO	0.9690	3.0091E-03	2.8633E-03	2.7256E-03	2.3557E-03	1.8546E-03
22	0.9690	TO	0.9600	1.1322E-03	1.0700E-03	1.0121E-03	8.5999E-04	6.6161E-04
23	0.9600	TO	0.9120	6.8570E-03	6.4609E-03	6.0935E-03	5.1381E-03	3.9097E-03
24	0.9120	TO	0.9100	2.2931E-04	2.1831E-04	2.0790E-04	1.7987E-04	1.4173E-04
25	0.9100	TO	0.7900	1.6033E-02	1.5221E-02	1.4457E-02	1.2421E-02	9.6970E-03
26	0.7900	TO	0.7700	3.3080E-03	3.1250E-03	2.9537E-03	2.5048E-03	1.9209E-03
27	0.7700	TO	0.7550	4.1575E-03	3.8619E-03	3.5929E-03	2.9169E-03	2.0999E-03
28	0.7550	TO	0.7300	3.9613E-03	3.7650E-03	3.5798E-03	3.0829E-03	2.4118E-03
29	0.7300	TO	0.7200	1.5988E-03	1.5211E-03	1.4476E-03	1.2497E-03	9.8073E-04
30	0.7200	TO	0.6800	7.0263E-03	6.6682E-03	6.3313E-03	5.4327E-03	4.2295E-03
31	0.6800	TO	0.6700	1.7189E-03	1.6372E-03	1.5596E-03	1.3498E-03	1.0626E-03
32	0.6700	TO	0.6000	3.0561E-02	2.8241E-02	2.6141E-02	2.0909E-02	1.4702E-02
33	0.6000	TO	0.5800	6.0383E-03	5.6998E-03	5.3830E-03	4.5460E-03	3.4469E-03
34	0.5800	TO	0.5200	1.9295E-02	1.8252E-02	1.7271E-02	1.4660E-02	1.1190E-02
35	0.5200	TO	0.5090	4.3475E-03	4.1065E-03	3.8804E-03	3.2818E-03	2.4935E-03
36	0.5090	TO	0.4600	1.8762E-02	1.7757E-02	1.6810E-02	1.4284E-02	1.0918E-02
37	0.4600	TO	0.4060	2.3820E-02	2.2575E-02	2.1399E-02	1.8242E-02	1.3999E-02
38	0.4060	TO	0.3400	4.6342E-02	4.3386E-02	4.0656E-02	3.3621E-02	2.4778E-02
39	0.3400	TO	0.3370	2.2347E-03	2.1062E-03	1.9857E-03	1.6672E-03	1.2506E-03
40	0.3370	TO	0.3000	3.0511E-02	2.8771E-02	2.7138E-02	2.2810E-02	1.7131E-02
41	0.3000	TO	0.2560	5.0518E-02	4.7377E-02	4.4460E-02	3.6972E-02	2.7214E-02
42	0.2560	TO	0.2000	9.2420E-02	8.6897E-02	8.1733E-02	6.8155E-02	5.0592E-02
43	0.2000	TO	0.1000	0.5204	0.4962	0.4704	0.4006	0.3058
44	0.1000	TO	5.0000E-02	0.6849	0.6610	0.6372	0.5677	0.4609
45	5.0000E-02	TO	1.0000E-02	2.9863E-02	2.8820E-02	2.7782E-02	2.4749E-02	2.0092E-02

TABLE XLV. TOTAL FLUX VERSUS ENERGY AND BIOMASS DENSITY:
200PPM URANIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² -sec)				
				BIOMASS DENSITY (kg/m ²)				
				0	10.2	20.4	51.0	102.0
K	ENERGY RANGE (MEV)	ID =		2160100	2160200	2160300	2160400	2160500
1	3.080	TO	2.996	3.4061E-03	3.2006E-03	3.0116E-03	2.5283E-03	2.1221E-03
2	2.996	TO	2.410	0.1700	0.1600	0.1512	0.1271	0.1069
3	2.410	TO	2.380	2.7102E-03	2.5966E-03	2.4903E-03	2.1977E-03	1.9027E-03
4	2.380	TO	2.330	7.2640E-03	6.8944E-03	6.5526E-03	5.6477E-03	4.8600E-03
5	2.330	TO	2.010	0.6239	0.5838	0.5470	0.4537	0.3760
6	2.010	TO	1.900	6.0051E-02	5.7364E-02	5.4854E-02	4.7999E-02	4.1836E-02
7	1.900	TO	1.860	5.8491E-02	5.4916E-02	5.1628E-02	4.3228E-02	3.6136E-02
8	1.860	TO	1.670	1.573	1.465	1.366	1.117	0.9122
9	1.670	TO	1.661	8.4359E-02	7.8587E-02	7.3315E-02	6.0021E-02	4.9047E-02
10	1.661	TO	1.556	0.3055	0.2891	0.2738	0.2339	0.1990
11	1.556	TO	1.510	0.1465	0.1385	0.1310	0.1116	9.4750E-02
12	1.510	TO	1.480	0.1853	0.1733	0.1622	0.1341	0.1107
13	1.480	TO	1.360	0.7592	0.7106	0.6660	0.5523	0.4570
14	1.360	TO	1.357	9.7976E-03	9.3391E-03	8.9053E-03	7.7392E-03	6.6888E-03
15	1.357	TO	1.290	0.2336	0.2223	0.2117	0.1834	0.1580
16	1.290	TO	1.208	0.6146	0.5749	0.5386	0.4459	0.3682
17	1.208	TO	1.170	0.1821	0.1726	0.1638	0.1404	0.1199
18	1.170	TO	1.100	0.9862	0.9153	0.8509	0.6892	0.5567
19	1.100	TO	1.030	0.4475	0.4246	0.4030	0.3458	0.2951
20	1.030	TO	0.9980	0.2235	0.2118	0.2008	0.1717	0.1460
21	0.9980	TO	0.9690	0.1880	0.1789	0.1703	0.1472	0.1264
22	0.9690	TO	0.9600	7.0746E-02	6.6860E-02	6.3238E-02	5.3736E-02	4.5447E-02
23	0.9600	TO	0.9120	0.4284	0.4037	0.3807	0.3210	0.2696
24	0.9120	TO	0.9100	1.4328E-02	1.3641E-02	1.2990E-02	1.1239E-02	9.6579E-03
25	0.9100	TO	0.7900	1.002	0.9510	0.9033	0.7761	0.6628
26	0.7900	TO	0.7700	0.2068	0.1953	0.1846	0.1565	0.1321
27	0.7700	TO	0.7550	0.2599	0.2413	0.2245	0.1823	0.1476
28	0.7550	TO	0.7300	0.2475	0.2352	0.2237	0.1926	0.1648
29	0.7300	TO	0.7200	9.9892E-02	9.5038E-02	9.0445E-02	7.8082E-02	6.6928E-02
30	0.7200	TO	0.6800	0.4390	0.4166	0.3956	0.3394	0.2894
31	0.6800	TO	0.6700	0.1074	0.1023	9.7444E-02	8.4337E-02	7.2443E-02
32	0.6700	TO	0.6000	1.909	1.764	1.633	1.306	1.042
33	0.6000	TO	0.5800	0.3773	0.3561	0.3363	0.2840	0.2381
34	0.5800	TO	0.5200	1.205	1.140	1.079	0.9159	0.7713
35	0.5200	TO	0.5090	0.2716	0.2566	0.2424	0.2050	0.1721
36	0.5090	TO	0.4600	1.172	1.109	1.050	0.8924	0.7522
37	0.4600	TO	0.4060	1.488	1.410	1.337	1.140	0.9632
38	0.4060	TO	0.3400	2.895	2.710	2.540	2.100	1.728
39	0.3400	TO	0.3370	0.1396	0.1316	0.1240	0.1041	8.6723E-02
40	0.3370	TO	0.3000	1.906	1.797	1.695	1.425	1.188
41	0.3000	TO	0.2560	3.155	2.959	2.776	2.303	1.897
42	0.2560	TO	0.2000	5.769	5.425	5.103	4.255	3.520
43	0.2000	TO	0.1000	32.54	30.86	29.26	24.93	21.01
44	0.1000	TO	5.0000E-02	42.48	41.00	39.53	35.24	30.94
45	5.0000E-02	TO	1.0000E-02	1.852	1.788	1.724	1.536	1.349

TABLE XLVI. TOTAL FLUX VERSUS ENERGY AND BIOMASS DENSITY:
800PPM URANIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² -sec)				
				BIOMASS DENSITY (kg/m ²)				
				0	10.2	20.4	51.0	102.0
K	ENERGY RANGE (MEV)	ID -		2170100	2170200	2170300	2170400	2170500
1	3.080	TO	2.996	1.3615E-02	1.2793E-02	1.2038E-02	1.0106E-02	7.6934E-03
2	2.996	TO	2.410	6.8278E-01	6.4196E-01	6.0441E-01	5.0821E-01	3.8772E-01
3	2.410	TO	2.380	1.0832E-02	1.0378E-02	9.9533E-03	8.7838E-03	7.1825E-03
4	2.380	TO	2.330	2.9035E-02	2.7557E-02	2.6191E-02	2.2574E-02	1.7859E-02
5	2.330	TO	2.010	2.4942E+00	2.3336E+00	2.1867E+00	1.8137E+00	1.3533E+00
6	2.010	TO	1.900	2.4002E-01	2.2929E-01	2.1925E-01	1.9186E-01	1.5471E-01
7	1.900	TO	1.860	2.3381E-01	2.1952E-01	2.0637E-01	1.7279E-01	1.3070E-01
8	1.860	TO	1.670	6.2896E+00	5.8564E+00	5.4614E+00	4.4663E+00	3.2561E+00
9	1.670	TO	1.661	3.3722E-01	3.1414E-01	2.8307E-01	2.3992E-01	1.7515E-01
10	1.661	TO	1.556	1.2212E+00	1.1556E+00	1.0946E+00	9.3484E-01	7.2657E-01
11	1.556	TO	1.510	5.8550E-01	5.5349E-01	5.2375E-01	4.4602E-01	3.4542E-01
12	1.510	TO	1.480	7.4088E-01	6.9260E-01	6.4840E-01	5.3608E-01	3.9727E-01
13	1.480	TO	1.360	3.0349E+00	2.8405E+00	2.6622E+00	2.2078E+00	1.6431E+00
14	1.360	TO	1.357	3.9162E-02	3.7329E-02	3.5595E-02	3.0934E-02	2.4607E-02
15	1.357	TO	1.290	9.3365E-01	8.8869E-01	8.4628E-01	7.3288E-01	5.8025E-01
16	1.290	TO	1.208	2.4568E+00	2.2981E+00	2.1527E+00	1.7822E+00	1.3223E+00
17	1.208	TO	1.170	7.2768E-01	6.8996E-01	6.5465E-01	5.6132E-01	4.3802E-01
18	1.170	TO	1.100	3.9419E+00	3.6585E+00	3.4011E+00	2.7548E+00	1.9749E+00
19	1.100	TO	1.030	1.7885E+00	1.6969E+00	1.6109E+00	1.3823E+00	1.0780E+00
20	1.030	TO	0.9980	8.9330E-01	8.4636E-01	8.0241E-01	6.8617E-01	5.3253E-01
21	0.9980	TO	0.9690	7.5146E-01	7.1506E-01	6.8067E-01	5.8830E-01	4.6318E-01
22	0.9690	TO	0.9600	2.8276E-01	2.6722E-01	2.5275E-01	2.1477E-01	1.6523E-01
23	0.9600	TO	0.9120	1.7124E+00	1.6135E+00	1.5216E+00	1.2832E+00	9.7642E-01
24	0.9120	TO	0.9100	5.7265E-02	5.4518E-02	5.1918E-02	4.4919E-02	3.5396E-02
25	0.9100	TO	0.7900	4.0036E+00	3.8008E+00	3.6101E+00	3.1018E+00	2.4216E+00
26	0.7900	TO	0.7700	8.2629E-01	7.8034E-01	7.3757E-01	6.2650E-01	4.7869E-01
27	0.7700	TO	0.7550	1.0382E+00	9.6434E-01	8.9719E-01	7.2838E-01	5.2438E-01
28	0.7550	TO	0.7300	9.8910E-01	9.4009E-01	8.9386E-01	7.6880E-01	6.0225E-01
29	0.7300	TO	0.7200	3.9920E-01	3.7980E-01	3.6145E-01	3.1205E-01	2.4490E-01
30	0.7200	TO	0.6800	1.7544E+00	1.6649E+00	1.5809E+00	1.3565E+00	1.0561E+00
31	0.6800	TO	0.6700	4.2916E-01	4.0876E-01	3.8940E-01	3.3703E-01	2.6533E-01
32	0.6700	TO	0.6000	7.6299E+00	7.0508E+00	6.5265E+00	5.2202E+00	3.6708E+00
33	0.6000	TO	0.5800	1.5073E+00	1.4229E+00	1.3438E+00	1.1348E+00	8.6055E-01
34	0.5800	TO	0.5200	4.8163E+00	4.5560E+00	4.3112E+00	3.6595E+00	2.7935E+00
35	0.5200	TO	0.5090	1.0854E+00	1.0253E+00	9.6882E-01	8.1938E-01	6.2257E-01
36	0.5090	TO	0.4600	4.6826E+00	4.4318E+00	4.1956E+00	3.5654E+00	2.7255E+00
37	0.4600	TO	0.4060	5.9439E+00	5.6334E+00	5.3399E+00	4.5525E+00	3.4940E+00
38	0.4060	TO	0.3400	1.1558E+01	1.0821E+01	1.0141E+01	8.3872E+00	6.1822E+00
39	0.3400	TO	0.3370	5.5724E-01	5.2523E-01	4.9521E-01	4.1584E-01	3.1199E-01
40	0.3370	TO	0.3000	7.6065E+00	7.1733E+00	6.7664E+00	5.6883E+00	4.2731E+00
41	0.3000	TO	0.2560	1.2586E+01	1.1805E+01	1.1078E+01	9.1898E+00	6.7843E+00
42	0.2560	TO	0.2000	2.2994E+01	2.1623E+01	2.0341E+01	1.6968E+01	1.2602E+01
43	0.2000	TO	0.1000	1.2821E+02	1.2164E+02	1.1538E+02	9.9427E+01	7.5309E+01
44	0.1000	TO	5.0000E-02	1.6602E+02	1.6037E+02	1.5473E+02	1.3818E+02	1.1257E+02
45	5.0000E-02	TO	1.0000E-02	7.2382E+00	6.9919E+00	6.7460E+00	6.0240E+00	4.9070E+00

TABLE XLVII. TOTAL FLUX VERSUS ENERGY AND BIOMASS DENSITY:
12PPM THORIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² -sec)				
				BIOMASS DENSITY (kg/m ²)				
				0	10.2	20.4	51.0	102.0
K	ENERGY RANGE (MEV)	ID =		2220100	2220200	2220300	2220400	2220500
1	3.080	TO	2.996	0.	0.	0.	0.	0.
2	2.996	TO	2.410	8.1891E-02	7.6972E-02	7.2456E-02	6.0993E-02	4.6421E-02
3	2.410	TO	2.380	1.1417E-03	1.0970E-03	1.0550E-03	9.3761E-04	7.7397E-04
4	2.380	TO	2.330	1.9091E-03	1.8346E-03	1.7646E-03	1.5687E-03	1.2954E-03
5	2.330	TO	2.010	1.2499E-02	1.2017E-02	1.1557E-02	1.0291E-02	8.5215E-03
6	2.010	TO	1.900	4.6552E-03	4.4724E-03	4.2978E-03	3.8206E-03	3.1552E-03
7	1.900	TO	1.860	1.0490E-03	1.7735E-03	1.7011E-03	1.5047E-03	1.2340E-03
8	1.860	TO	1.670	9.4025E-03	9.0094E-03	8.6368E-03	7.6295E-03	6.2470E-03
9	1.670	TO	1.661	6.6817E-04	6.3355E-04	6.0138E-04	5.1732E-04	4.0808E-04
10	1.661	TO	1.556	1.7882E-02	1.6738E-02	1.5692E-02	1.3033E-02	9.7486E-03
11	1.556	TO	1.510	3.7587E-03	3.5774E-03	3.4076E-03	2.9579E-03	2.3607E-03
12	1.510	TO	1.480	3.8126E-03	3.5912E-03	3.3872E-03	2.8617E-03	2.1962E-03
13	1.480	TO	1.360	9.7915E-03	9.3479E-03	8.9299E-03	7.8109E-03	6.2983E-03
14	1.360	TO	1.357	2.5092E-04	2.3968E-04	2.2908E-04	2.0064E-04	1.6207E-04
15	1.357	TO	1.290	5.1092E-03	4.9025E-03	4.7054E-03	4.1672E-03	3.4165E-03
16	1.290	TO	1.208	7.3147E-03	6.9897E-03	6.6820E-03	5.8586E-03	4.7381E-03
17	1.208	TO	1.170	3.1859E-03	3.0586E-03	2.9373E-03	2.6044E-03	2.1383E-03
18	1.170	TO	1.100	6.6239E-03	6.3382E-03	6.0677E-03	5.3374E-03	4.3360E-03
19	1.100	TO	1.030	7.8910E-03	7.5170E-03	7.1662E-03	6.2341E-03	4.9878E-03
20	1.030	TO	0.9390	3.2386E-03	3.1081E-03	2.9835E-03	2.6428E-03	2.1658E-03
21	0.9990	TO	0.9690	3.2060E-03	3.0683E-03	2.9379E-03	2.5822E-03	2.1002E-03
22	0.9690	TO	0.9600	1.6600E-02	1.5163E-02	1.3876E-02	1.0729E-02	7.1241E-03
23	0.9600	TO	0.9120	8.0968E-03	7.6937E-03	7.3156E-03	6.3119E-03	4.9747E-03
24	0.9120	TO	0.9100	1.8654E-02	1.6964E-02	1.5454E-02	1.1785E-02	7.6330E-03
25	0.9100	TO	0.7900	3.8204E-02	3.5907E-02	3.3786E-02	2.8302E-02	2.1334E-02
26	0.7900	TO	0.7700	7.9889E-03	7.4805E-03	7.0131E-03	5.8160E-03	4.3194E-03
27	0.7700	TO	0.7550	5.3578E-03	5.0451E-03	4.7551E-03	4.0006E-03	3.0319E-03
28	0.7550	TO	0.7300	7.7453E-03	7.3518E-03	6.9812E-03	5.9912E-03	4.6639E-03
29	0.7300	TO	0.7200	9.5454E-03	8.7615E-03	8.0565E-03	6.3217E-03	4.3118E-03
30	0.7200	TO	0.6000	1.4580E-02	1.3917E-02	1.3099E-02	1.1190E-02	8.6481E-03
31	0.6000	TO	0.6700	3.7985E-03	3.6004E-03	3.4141E-03	2.9179E-03	2.2567E-03
32	0.6700	TO	0.6000	2.8036E-02	2.6616E-02	2.5276E-02	2.1687E-02	1.6859E-02
33	0.6000	TO	0.5800	2.1309E-02	1.9570E-02	1.8006E-02	1.4158E-02	9.7050E-03
34	0.5800	TO	0.5200	3.4059E-02	3.2225E-02	3.0502E-02	2.5923E-02	1.9850E-02
35	0.5200	TO	0.5090	1.2217E-02	1.1391E-02	1.0636E-02	8.7176E-03	6.3657E-03
36	0.5090	TO	0.4600	3.5684E-02	3.3705E-02	3.1850E-02	2.6943E-02	2.0492E-02
37	0.4600	TO	0.4060	4.4886E-02	4.2491E-02	4.0235E-02	3.4213E-02	2.6191E-02
38	0.4060	TO	0.3400	6.7347E-02	6.3858E-02	6.0556E-02	5.1385E-02	3.9745E-02
39	0.3400	TO	0.3370	6.0761E-03	5.5742E-03	5.1246E-03	4.0276E-03	2.7775E-03
40	0.3370	TO	0.3000	5.1668E-02	4.8786E-02	4.6081E-02	3.8920E-02	2.9510E-02
41	0.3000	TO	0.2560	7.8286E-02	7.3922E-02	6.9824E-02	5.8957E-02	4.4664E-02
42	0.2560	TO	0.2000	0.1625	0.1524	0.1431	0.1189	8.8167E-02
43	0.2000	TO	0.1000	0.8908	0.8452	0.8013	0.6845	0.5249
44	0.1000	TO	5.0000E-02	1.149	1.110	1.072	0.9580	0.7823
45	5.0000E-02	TO	1.0000E-02	5.0091E-02	4.8403E-02	4.6718E-02	4.1766E-02	3.4101E-02

TABLE XLVIII. TOTAL FLUX VERSUS ENERGY AND BIOMASS DENSITY:
25PPM THORIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² -sec)				
				BIOMASS DENSITY (kg/m ²)				
				0	10.2	20.4	51.0	102.0
K	ENERGY RANGE (MEV)	ID =		2230100	2230200	2230300	2230400	2230500
1	3.090	TO	2.996	0.	0.	0.	0.	0.
2	2.996	TO	2.410	0.1706	0.1604	0.1509	0.1269	9.6710E-02
3	2.410	TO	2.380	2.3795E-03	2.2955E-03	2.1979E-03	1.9533E-03	1.6123E-03
4	2.380	TO	2.330	3.9772E-03	3.8221E-03	3.6762E-03	3.2681E-03	2.6989E-03
5	2.330	TO	2.010	2.6039E-02	2.5035E-02	2.4076E-02	2.1439E-02	1.7753E-02
6	2.010	TO	1.900	9.6981E-03	9.3173E-03	8.9536E-03	7.9595E-03	6.5733E-03
7	1.900	TO	1.860	3.8538E-03	3.6948E-03	3.5439E-03	3.1348E-03	2.5715E-03
8	1.860	TO	1.670	1.9598E-02	1.8769E-02	1.7993E-02	1.5894E-02	1.3014E-02
9	1.670	TO	1.661	1.3920E-03	1.3199E-03	1.2523E-03	1.0777E-03	8.5016E-04
10	1.661	TO	1.556	3.7255E-02	3.4871E-02	3.2690E-02	2.7153E-02	2.0309E-02
11	1.556	TO	1.510	7.8304E-03	7.4528E-03	7.0990E-03	6.1622E-03	4.9181E-03
12	1.510	TO	1.480	7.9427E-03	7.4815E-03	7.0565E-03	5.9618E-03	4.5753E-03
13	1.480	TO	1.360	2.0399E-02	1.9475E-02	1.8604E-02	1.6272E-02	1.3121E-02
14	1.360	TO	1.357	5.2273E-04	4.9932E-04	4.7724E-04	4.1800E-04	3.3764E-04
15	1.357	TO	1.290	1.0644E-02	1.0213E-02	9.8028E-03	8.6815E-03	7.1177E-03
16	1.290	TO	1.208	1.5239E-02	1.4562E-02	1.3922E-02	1.2205E-02	9.8710E-03
17	1.208	TO	1.170	6.5371E-03	6.3719E-03	6.1193E-03	5.4258E-03	4.4547E-03
18	1.170	TO	1.100	1.3800E-02	1.3204E-02	1.2641E-02	1.1119E-02	9.0331E-03
19	1.100	TO	1.030	1.6439E-02	1.5660E-02	1.4929E-02	1.2987E-02	1.0391E-02
20	1.030	TO	0.9980	6.7471E-03	6.4751E-03	6.2155E-03	5.5058E-03	4.5121E-03
21	0.9980	TO	0.9690	6.6791E-03	6.3923E-03	6.1205E-03	5.3858E-03	4.3754E-03
22	0.9690	TO	0.9600	3.4583E-02	3.1590E-02	2.8907E-02	2.351E-02	1.4842E-02
23	0.9600	TO	0.9120	1.6868E-02	1.6028E-02	1.5240E-02	1.3149E-02	1.0364E-02
24	0.9120	TO	0.9100	3.8862E-02	3.5341E-02	3.2135E-02	2.4551E-02	1.5902E-02
25	0.9100	TO	0.7900	7.9590E-02	7.4806E-02	7.0386E-02	5.9963E-02	4.4446E-02
26	0.7900	TO	0.7700	1.6643E-02	1.5584E-02	1.4610E-02	1.2116E-02	8.9986E-03
27	0.7700	TO	0.7550	1.1162E-02	1.0510E-02	9.9062E-03	8.3345E-03	6.3164E-03
28	0.7550	TO	0.7300	1.6136E-02	1.5316E-02	1.4544E-02	1.2481E-02	9.7163E-03
29	0.7300	TO	0.7200	1.9386E-02	1.8253E-02	1.6784E-02	1.3170E-02	8.9830E-03
30	0.7200	TO	0.6800	3.0375E-02	2.8784E-02	2.7289E-02	2.3312E-02	1.8017E-02
31	0.6800	TO	0.6700	7.9135E-03	7.5007E-03	7.1125E-03	6.0789E-03	4.7013E-03
32	0.6700	TO	0.6000	5.8407E-02	5.5448E-02	5.2657E-02	4.5180E-02	3.5122E-02
33	0.6000	TO	0.5800	4.4393E-02	4.0770E-02	3.7512E-02	2.9495E-02	2.0218E-02
34	0.5800	TO	0.5200	7.0955E-02	6.7135E-02	6.3546E-02	5.4005E-02	4.1353E-02
35	0.5200	TO	0.5090	2.5451E-02	2.3732E-02	2.2158E-02	1.8161E-02	1.3262E-02
36	0.5090	TO	0.4600	7.4341E-02	7.0217E-02	6.6352E-02	5.6130E-02	4.2691E-02
37	0.4600	TO	0.4060	9.3512E-02	8.8522E-02	8.3821E-02	7.1277E-02	5.4563E-02
38	0.4060	TO	0.3400	0.1403	0.1330	0.1262	0.1077	8.2802E-02
39	0.3400	TO	0.3370	1.2659E-02	1.1613E-02	1.0676E-02	8.3907E-03	5.7863E-03
40	0.3370	TO	0.3000	0.1075	0.1016	9.6001E-02	8.1081E-02	6.1479E-02
41	0.3000	TO	0.2560	0.1631	0.1540	0.1455	0.1228	9.3048E-02
42	0.2560	TO	0.2000	0.3395	0.3176	0.2982	0.2477	0.1837
43	0.2000	TO	0.1000	1.856	1.761	1.670	1.426	1.094
44	0.1000	TO	5.0000E-02	2.393	2.313	2.232	1.996	1.630
45	5.0000E-02	TO	1.0000E-02	0.1044	0.1008	9.7329E-02	8.7012E-02	7.1042E-02

TABLE XLIX. TOTAL FLUX VERSUS ENERGY AND BIOMASS DENSITY:
80PPM THORIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² -sec)				
				BIOMASS DENSITY (kg/cm ²)				
				0	10.2	20.4	51.0	102.0
K	ENERGY RANGE (MEV)	ID =		2240100	2240200	2240300	2240400	2240500
1	3.080	TO	2.996	0.	0.	0.	0.	0.
2	2.996	TO	2.410	0.5450	0.5131	0.4830	0.4060	0.3095
3	2.410	TO	2.380	7.6112E-03	7.3136E-03	7.0334E-03	6.2508E-03	5.1586E-03
4	2.380	TO	2.330	1.2727E-02	1.2231E-02	1.1764E-02	1.0458E-02	8.6362E-03
5	2.330	TO	2.010	0.0326E-02	8.0115E-02	7.7044E-02	6.8607E-02	5.6810E-02
6	2.010	TO	1.900	3.1035E-02	2.9816E-02	2.8652E-02	2.5471E-02	2.1035E-02
7	1.900	TO	1.860	1.2332E-02	1.1824E-02	1.1341E-02	1.0032E-02	8.2290E-03
8	1.860	TO	1.670	6.2684E-02	6.0063E-02	5.7579E-02	5.0863E-02	4.1647E-02
9	1.670	TO	1.661	4.4545E-03	4.2237E-03	4.0092E-03	3.4488E-03	2.7206E-03
10	1.661	TO	1.556	0.1192	0.1116	0.1046	8.6890E-02	6.4991E-02
11	1.556	TO	1.510	2.5058E-02	2.3849E-02	2.2717E-02	1.9720E-02	1.5738E-02
12	1.510	TO	1.480	2.5417E-02	2.3941E-02	2.2581E-02	1.9078E-02	1.4641E-02
13	1.480	TO	1.360	6.5277E-02	6.2320E-02	5.9533E-02	5.2073E-02	4.1989E-02
14	1.360	TO	1.357	1.6728E-03	1.5979E-03	1.5272E-03	1.3376E-03	1.0805E-03
15	1.357	TO	1.290	3.4062E-02	3.2684E-02	3.1370E-02	2.7781E-02	2.2777E-02
16	1.290	TO	1.208	4.8765E-02	4.6598E-02	4.4552E-02	3.9058E-02	3.1588E-02
17	1.208	TO	1.170	2.1239E-02	2.0391E-02	1.9582E-02	1.7363E-02	1.4255E-02
18	1.170	TO	1.100	4.4160E-02	4.2255E-02	4.0452E-02	3.5583E-02	2.8907E-02
19	1.100	TO	1.030	5.2607E-02	5.0113E-02	4.7775E-02	4.1501E-02	3.3252E-02
20	1.030	TO	0.9980	2.1591E-02	2.0721E-02	1.9890E-02	1.7619E-02	1.4439E-02
21	0.9980	TO	0.9690	2.1373E-02	2.0456E-02	1.9586E-02	1.7235E-02	1.4002E-02
22	0.9690	TO	0.9600	0.1107	0.1011	9.2505E-02	7.1525E-02	4.7494E-02
23	0.9600	TO	0.9120	5.3979E-02	5.1291E-02	4.8771E-02	4.2079E-02	3.3165E-02
24	0.9120	TO	0.9100	0.1244	0.1131	0.1030	7.8566E-02	5.0897E-02
25	0.9100	TO	0.7900	0.2547	0.2394	0.2252	0.1887	0.1422
26	0.7900	TO	0.7700	5.3260E-02	4.9870E-02	4.6754E-02	3.8773E-02	2.8796E-02
27	0.7700	TO	0.7550	3.5719E-02	3.3634E-02	3.1701E-02	2.6671E-02	2.0213E-02
28	0.7550	TO	0.7300	5.1636E-02	4.9012E-02	4.6541E-02	3.9941E-02	3.1093E-02
29	0.7300	TO	0.7200	6.3636E-02	5.8410E-02	5.3710E-02	4.2145E-02	2.8746E-02
30	0.7200	TO	0.6800	9.7202E-02	9.2111E-02	8.7327E-02	7.4599E-02	5.7654E-02
31	0.6800	TO	0.6700	2.5324E-02	2.4009E-02	2.2781E-02	1.9453E-02	1.5045E-02
32	0.6700	TO	0.6000	0.1869	0.1774	0.1685	0.1446	0.1124
33	0.6000	TO	0.5800	0.1421	0.1305	0.1200	9.4386E-02	6.4700E-02
34	0.5800	TO	0.5200	0.2271	0.2148	0.2034	0.1728	0.1323
35	0.5200	TO	0.5090	8.1445E-02	7.5943E-02	7.0906E-02	5.8118E-02	4.2438E-02
36	0.5090	TO	0.4600	0.2379	0.2247	0.2123	0.1796	0.1366
37	0.4600	TO	0.4060	0.2992	0.2833	0.2682	0.2281	0.1746
38	0.4060	TO	0.3400	0.4490	0.4257	0.4037	0.3446	0.2650
39	0.3400	TO	0.3370	4.0508E-02	3.7162E-02	3.4164E-02	2.6851E-02	1.8517E-02
40	0.3370	TO	0.3000	0.3445	0.3252	0.3072	0.2595	0.1967
41	0.3000	TO	0.2560	0.5219	0.4928	0.4655	0.3930	0.2978
42	0.2560	TO	0.2000	1.083	1.016	0.9542	0.7928	0.5879
43	0.2000	TO	0.1000	5.938	5.635	5.346	4.563	3.500
44	0.1000	TO	5.0000E-02	7.659	7.401	7.143	6.387	5.215
45	5.0000E-02	TO	1.0000E-02	0.3339	0.3227	0.3115	0.2784	0.2273

TABLE L. TOTAL FLUX VERSUS ENERGY AND BIOMASS DENSITY: 2.5
PERCENT POTASSIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² -sec)				
				BIOMASS DENSITY (kg/m ²)				
				0	10.2	20.4	51.0	102.0
K	ENERGY RANGE (MEV)	ID =		2380100	2380200	2380300	2380400	2380500
1	3.080	TO	2.996	0.	0.	0.	0.	0.
2	2.996	TO	2.410	0.	0.	0.	0.	0.
3	2.410	TO	2.380	0.	0.	0.	0.	0.
4	2.380	TO	2.330	0.	0.	0.	0.	0.
5	2.330	TO	2.010	0.	0.	0.	0.	0.
6	2.010	TO	1.900	0.	0.	0.	0.	0.
7	1.900	TO	1.860	0.	0.	0.	0.	0.
8	1.860	TO	1.670	0.	0.	0.	0.	0.
9	1.670	TO	1.661	0.	0.	0.	0.	0.
10	1.661	TO	1.556	0.	0.	0.	0.	0.
11	1.556	TO	1.510	0.	0.	0.	0.	0.
12	1.510	TO	1.480	0.	0.	0.	0.	0.
13	1.480	TO	1.360	2.0181E-02	1.7654E-02	1.6186E-02	1.2604E-02	8.4894E-03
14	1.360	TO	1.357	8.5778E-05	7.8283E-05	7.3681E-05	6.1686E-05	4.6242E-05
15	1.357	TO	1.290	1.9329E-03	1.7652E-03	1.6622E-03	1.3931E-03	1.0458E-03
16	1.290	TO	1.208	2.4174E-03	2.2127E-03	2.0855E-03	1.7519E-03	1.3195E-03
17	1.208	TO	1.170	1.1447E-03	1.0484E-03	9.8898E-04	8.3280E-04	6.2864E-04
18	1.170	TO	1.100	2.1593E-03	1.9801E-03	1.8690E-03	1.5764E-03	1.1933E-03
19	1.100	TO	1.030	2.2386E-03	2.0558E-03	1.9423E-03	1.6421E-03	1.2467E-03
20	1.030	TO	0.9980	1.0548E-03	9.6969E-04	9.1677E-04	7.7640E-04	5.9076E-04
21	0.9980	TO	0.9690	9.7571E-04	8.9759E-04	8.4895E-04	7.1972E-04	5.4839E-04
22	0.9690	TO	0.9600	3.0692E-04	2.8246E-04	2.6722E-04	2.2669E-04	1.7287E-04
23	0.9600	TO	0.9120	1.6738E-03	1.5414E-03	1.4588E-03	1.2388E-03	9.4592E-04
24	0.9120	TO	0.9100	7.1144E-05	6.5548E-05	6.2055E-05	5.2738E-05	4.0314E-05
25	0.9100	TO	0.7900	4.5354E-03	4.1854E-03	3.9657E-03	3.3780E-03	2.5899E-03
26	0.7900	TO	0.7700	8.1170E-04	7.4987E-04	7.1107E-04	6.0631E-04	4.6654E-04
27	0.7700	TO	0.7550	6.2182E-04	5.7467E-04	5.4505E-04	4.6544E-04	3.5799E-04
28	0.7550	TO	0.7300	1.0635E-03	9.8317E-04	9.3275E-04	7.9698E-04	6.1344E-04
29	0.7300	TO	0.7200	4.3543E-04	4.0266E-04	3.8206E-04	3.2662E-04	2.5155E-04
30	0.7200	TO	0.6800	1.8067E-03	1.6714E-03	1.5863E-03	1.3570E-03	1.0460E-03
31	0.6800	TO	0.6700	4.6875E-04	4.3384E-04	4.1187E-04	3.5253E-04	2.7194E-04
32	0.6700	TO	0.6000	3.5228E-03	3.2623E-03	3.0981E-03	2.6542E-03	2.0499E-03
33	0.6000	TO	0.5800	1.0917E-03	1.0114E-03	9.6069E-04	8.2355E-04	6.3640E-04
34	0.5800	TO	0.5200	3.5835E-03	3.3209E-03	3.1551E-03	2.7058E-03	2.0917E-03
35	0.5200	TO	0.5090	7.3910E-04	6.8363E-04	6.4870E-04	5.5452E-04	4.2677E-04
36	0.5090	TO	0.4600	3.4597E-03	3.2062E-03	3.0459E-03	2.6115E-03	2.0174E-03
37	0.4600	TO	0.4060	4.4783E-03	4.1485E-03	3.9400E-03	3.3752E-03	2.6036E-03
38	0.4060	TO	0.3400	6.9240E-03	6.4065E-03	6.0799E-03	5.1968E-03	3.9956E-03
39	0.3400	TO	0.3370	3.6138E-04	3.3407E-04	3.1685E-04	2.7039E-04	2.0743E-04
40	0.3370	TO	0.3000	4.9789E-03	4.5989E-03	4.3598E-03	3.7156E-03	2.8450E-03
41	0.3000	TO	0.2560	7.5900E-03	6.9987E-03	6.6277E-03	5.6325E-03	4.2966E-03
42	0.2560	TO	0.2000	1.4009E-02	1.2922E-02	1.2239E-02	1.0409E-02	7.9470E-03
43	0.2000	TO	0.1000	6.9606E-02	6.5097E-02	6.2186E-02	5.4082E-02	4.2535E-02
44	0.1000	TO	5.0000E-02	8.2243E-02	7.9260E-02	7.7120E-02	7.0399E-02	5.9017E-02
45	5.0000E-02	TO	1.0000E-02	3.5851E-03	3.4552E-03	3.3620E-03	3.0688E-03	2.5724E-03

TABLE LI. TOTAL FLUX VERSUS ENERGY AND INVERSION LAYER THICKNESS
FOR CONSTANT AIRBORNE GAMMA-RAY SOURCE

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² sec)			
				INVERSION LAYER HEIGHT (meters)			
				NONE ^a	65.22	260.32	458.43
K	ENERGY RANGE (MEV)	ID =		3491100	3591100	3691100	3791100
1	3.080	TO	2.996	6.2502E-06	1.3551E-06	5.3481E-06	5.9604E-06
2	2.996	TO	2.410	3.0976E-04	6.6904E-05	2.6453E-04	2.9516E-04
3	2.410	TO	2.380	2.3989E-06	4.6207E-07	1.6279E-06	2.0781E-06
4	2.380	TO	2.330	1.0209E-05	2.1265E-06	8.1765E-06	9.4603E-06
5	2.330	TO	2.010	1.2735E-03	2.7700E-04	1.1141E-03	1.2268E-03
6	2.010	TO	1.900	5.9991E-05	1.2114E-05	4.2769E-05	5.3320E-05
7	1.900	TO	1.860	1.0806E-04	2.3242E-05	9.3081E-05	1.0342E-04
8	1.860	TO	1.670	3.6147E-03	7.8701E-04	3.2277E-03	3.5128E-03
9	1.670	TO	1.661	1.9208E-04	4.1747E-05	1.7128E-04	1.8657E-04
10	1.661	TO	1.556	4.3307E-04	9.2323E-05	3.4994E-04	4.0521E-04
11	1.556	TO	1.510	2.1574E-04	4.5888E-05	1.7635E-04	2.0269E-04
12	1.510	TO	1.480	3.8989E-04	8.3993E-05	3.4329E-04	3.7676E-04
13	1.480	TO	1.360	1.5559E-03	3.3429E-04	1.3633E-03	1.5008E-03
14	1.360	TO	1.357	9.8717E-06	2.0660E-06	7.0950E-06	8.8790E-06
15	1.357	TO	1.290	2.5651E-04	5.3665E-05	1.9099E-04	2.3341E-04
16	1.290	TO	1.208	1.3001E-03	2.7746E-04	1.1447E-03	1.2562E-03
17	1.208	TO	1.170	2.3788E-04	5.0117E-05	1.8815E-04	2.2120E-04
18	1.170	TO	1.100	2.5441E-03	5.4258E-04	2.3073E-03	2.4858E-03
19	1.100	TO	1.030	5.4655E-04	1.1655E-04	4.2362E-04	5.0600E-04
20	1.030	TO	0.9980	2.1545E-04	4.5514E-05	1.5946E-04	1.9646E-04
21	0.9980	TO	0.9690	2.0025E-04	4.2016E-05	1.4818E-04	1.8253E-04
22	0.9690	TO	0.9600	1.0745E-04	2.2522E-05	8.8576E-05	1.0147E-04
23	0.9600	TO	0.9120	7.2399E-04	1.5155E-04	6.1229E-04	6.8970E-04
24	0.9120	TO	0.9100	1.5132E-05	3.1586E-06	1.1148E-05	1.3778E-05
25	0.9100	TO	0.7900	1.2255E-03	2.5312E-04	9.5421E-04	1.1353E-03
26	0.7900	TO	0.7700	3.3303E-04	6.8271E-05	2.7858E-04	3.1587E-04
27	0.7700	TO	0.7550	6.7700E-04	1.3902E-04	6.1609E-04	6.6127E-04
28	0.7550	TO	0.7300	2.7999E-04	5.7941E-05	2.1273E-04	2.5763E-04
29	0.7300	TO	0.7200	1.1120E-04	2.2920E-05	8.3744E-05	1.0203E-04
30	0.7200	TO	0.6800	5.5007E-04	1.1264E-04	4.3184E-04	5.1123E-04
31	0.6800	TO	0.6700	1.1341E-04	2.3173E-05	8.3746E-05	1.0341E-04
32	0.6700	TO	0.6000	5.0458E-03	1.1912E-03	5.4048E-03	5.7423E-03
33	0.6000	TO	0.5800	4.9651E-04	1.0939E-04	3.9831E-04	4.6768E-04
34	0.5800	TO	0.5200	1.5148E-03	3.2892E-04	1.1952E-03	1.4186E-03
35	0.5200	TO	0.5090	3.4956E-04	7.5256E-05	2.7849E-04	3.2848E-04
36	0.5090	TO	0.4600	1.4812E-03	3.1241E-04	1.1704E-03	1.3881E-03
37	0.4600	TO	0.4060	1.7596E-03	3.6757E-04	1.3626E-03	1.6394E-03
38	0.4060	TO	0.3400	6.0749E-03	1.2176E-03	5.3570E-03	5.8802E-03
39	0.3400	TO	0.3370	1.8290E-04	3.9919E-05	1.4717E-04	1.7284E-04
40	0.3370	TO	0.3000	2.4532E-03	5.3168E-04	1.9642E-03	2.3154E-03
41	0.3000	TO	0.2560	5.5256E-03	1.1393E-03	4.7426E-03	5.3147E-03
42	0.2560	TO	0.2000	8.3838E-03	1.8062E-03	6.9307E-03	7.9907E-03
43	0.2000	TO	0.1000	3.7595E-02	7.7399E-03	2.6857E-02	3.5091E-02
44	0.1000	TO	5.0000E-02	5.3058E-02	9.7725E-03	3.8473E-02	4.8569E-02
45	5.0000E-02	TO	1.0000E-02	2.7419E-03	4.4280E-04	2.1065E-03	2.5464E-03

a. No inversion layer

TABLE LII. TOTAL FLUX VERSUS ENERGY AND INVERSION LAYER THICKNESS
FOR EXPONENTIAL AIRBORNE GAMMA-RAY SOURCE

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² sec)			
				INVERSION LAYER HEIGHT (meters)			
				NONE ^a	65.22	260.32	458.43
K	ENERGY RANGE (MEV)	ID -		3492100	3592100	3692100	3792100
1	3.000	TO	2.596	5.6722E-06	3.2053E-05	3.2363E-05	2.1460E-05
2	2.996	TO	2.410	2.8101E-04	1.5825E-03	1.6008E-03	1.0625E-03
3	2.410	TO	2.380	2.0760E-06	1.0957E-05	9.7751E-06	7.3059E-06
4	2.380	TO	2.330	9.1325E-06	5.0334E-05	4.9383E-05	3.3836E-05
5	2.330	TO	2.010	1.1617E-03	6.5500E-03	6.7472E-03	4.4274E-03
6	2.010	TO	1.900	5.2456E-05	2.8715E-04	2.5712E-04	1.8825E-04
7	1.900	TO	1.860	9.8237E-05	5.4968E-04	5.6346E-04	3.7263E-04
8	1.860	TO	1.670	3.3130E-03	1.8604E-02	1.9561E-02	1.2705E-02
9	1.670	TO	1.661	1.7599E-04	9.8608E-04	1.0380E-03	6.7471E-04
10	1.661	TO	1.556	3.8849E-04	2.1854E-03	2.1130E-03	1.4489E-03
11	1.556	TO	1.510	1.9400E-04	1.0860E-03	1.0653E-03	7.2577E-04
12	1.510	TO	1.480	3.5624E-04	1.9858E-03	2.0796E-03	1.3606E-03
13	1.480	TO	1.360	1.4201E-03	7.9038E-03	8.2571E-03	5.4169E-03
14	1.360	TO	1.357	8.6564E-06	4.8979E-05	4.2630E-05	3.1323E-05
15	1.357	TO	1.290	2.2645E-04	1.2716E-03	1.1494E-03	8.2678E-04
16	1.290	TO	1.208	1.1880E-03	6.5594E-03	6.9353E-03	4.5372E-03
17	1.208	TO	1.170	2.1254E-04	1.1866E-03	1.1352E-03	7.8889E-04
18	1.170	TO	1.100	2.3400E-03	1.2821E-02	1.3994E-02	9.0097E-03
19	1.100	TO	1.030	4.8650E-04	2.7606E-03	2.5529E-03	1.7994E-03
20	1.030	TO	0.9980	1.9009E-04	1.0786E-03	9.5911E-04	6.9494E-04
21	0.9980	TO	0.9690	1.7667E-04	9.9573E-04	8.9131E-04	6.4572E-04
22	0.9690	TO	0.9600	9.6837E-05	5.3294E-04	5.3530E-04	3.6360E-04
23	0.9600	TO	0.9120	6.5595E-04	3.5848E-03	3.7042E-03	2.4792E-03
24	0.9120	TO	0.9100	1.3341E-05	7.4856E-05	6.7050E-05	4.8717E-05
25	0.9100	TO	0.7900	1.0920E-03	5.9937E-03	5.7537E-03	4.0410E-03
26	0.7900	TO	0.7700	3.0106E-04	1.6149E-03	1.6850E-03	1.1342E-03
27	0.7700	TO	0.7550	6.2314E-04	3.2042E-03	3.7382E-03	2.3989E-03
28	0.7550	TO	0.7300	2.4834E-04	1.3725E-03	1.2813E-03	9.1418E-04
29	0.7300	TO	0.7200	9.8468E-05	5.4301E-04	5.0420E-04	3.6168E-04
30	0.7200	TO	0.6800	4.9097E-04	2.6669E-03	2.6049E-03	1.8215E-03
31	0.6800	TO	0.6700	1.0005E-04	5.4911E-04	5.0380E-04	3.6576E-04
32	0.6700	TO	0.6000	5.3997E-03	2.8133E-02	3.2814E-02	2.0873E-02
33	0.6000	TO	0.5800	4.4520E-04	2.5902E-03	2.4020E-03	1.6678E-03
34	0.5800	TO	0.5200	1.3539E-03	7.7902E-03	7.2027E-03	5.0524E-03
35	0.5200	TO	0.5090	3.1304E-04	1.7823E-03	1.6791E-03	1.1706E-03
36	0.5090	TO	0.4600	1.3244E-03	7.3986E-03	7.0557E-03	4.9424E-03
37	0.4600	TO	0.4060	1.5673E-03	8.7075E-03	8.2063E-03	5.8227E-03
38	0.4060	TO	0.3400	5.5547E-03	2.8781E-02	3.2460E-02	2.1241E-02
39	0.3400	TO	0.3370	1.6412E-04	9.4529E-04	8.8729E-04	6.1627E-04
40	0.3370	TO	0.3000	2.1933E-03	1.2592E-02	1.1839E-02	8.2501E-03
41	0.3000	TO	0.2560	5.0235E-03	2.6949E-02	2.8689E-02	1.9118E-02
42	0.2560	TO	0.2000	7.5632E-03	4.2756E-02	4.1830E-02	2.8563E-02
43	0.2000	TO	0.1000	3.3424E-02	0.1832	0.1735	0.1243
44	0.1000	TO	5.0000E-02	4.6652E-02	0.2311	0.2307	0.1709
45	5.0000E-02	TO	1.0000E-02	2.4379E-03	1.0465E-02	1.2001E-02	9.0320E-03

a. No inversion layer

TABLE LIII. TOTAL FLUX VERSUS ENERGY AND OVERBURDEN THICKNESS:
3.2PPM URANIUM SOURCE IN OVERBURDEN

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² sec)			
				OVERBURDEN THICKNESS (cm)			
				10.266	17.110	26.399	32.509
K	ENERGY RANGE (MEV)	ID =		4000111	4000121	4000131	4000141
1	3.080	TO	2.996	4.3864E-05	5.2643E-05	6.7472E-05	5.9211E-05
2	2.996	TO	2.410	2.1844E-03	2.6283E-03	2.8735E-03	2.9621E-03
3	2.410	TO	2.350	2.8270E-05	3.6246E-05	4.1516E-05	4.3732E-05
4	2.350	TO	2.330	8.4371E-05	1.0452E-04	1.1678E-04	1.2164E-04
5	2.330	TO	2.010	8.3583E-03	9.9336E-03	1.0745E-02	1.1018E-02
6	2.010	TO	1.900	6.6429E-04	8.3165E-04	9.4326E-04	9.8788E-04
7	1.900	TO	1.860	7.5980E-04	9.1171E-04	9.9287E-04	1.0213E-03
8	1.860	TO	1.670	2.2027E-02	2.5846E-02	2.7669E-02	2.8238E-02
9	1.670	TO	1.661	1.1774E-03	1.3830E-03	1.4814E-03	1.5122E-03
10	1.661	TO	1.556	3.7036E-03	4.5588E-03	5.0422E-03	5.2168E-03
11	1.556	TO	1.510	1.7933E-03	2.1997E-03	2.4273E-03	2.5090E-03
12	1.510	TO	1.480	2.5106E-03	2.9765E-03	3.2095E-03	3.2858E-03
13	1.480	TO	1.360	1.0186E-02	1.2116E-02	1.3092E-02	1.3415E-02
14	1.360	TO	1.357	1.1092E-04	1.4014E-04	1.5738E-04	1.6375E-04
15	1.357	TO	1.290	2.6832E-03	3.3716E-03	3.7737E-03	3.9214E-03
16	1.290	TO	1.208	8.2936E-03	9.8443E-03	1.0621E-02	1.0877E-02
17	1.208	TO	1.170	2.1789E-03	2.6991E-03	2.9917E-03	3.0964E-03
18	1.170	TO	1.100	1.4187E-02	1.6482E-02	1.7527E-02	1.7845E-02
19	1.100	TO	1.030	5.3563E-03	6.6470E-03	7.3621E-03	7.6128E-03
20	1.030	TO	0.9980	2.7112E-03	3.3475E-03	3.6968E-03	3.8187E-03
21	0.9980	TO	0.9690	2.1899E-03	2.7460E-03	3.0599E-03	3.1713E-03
22	0.9690	TO	0.9600	8.7757E-04	1.0742E-03	1.1803E-03	1.2171E-03
23	0.9600	TO	0.9120	5.4579E-03	6.6148E-03	7.2257E-03	7.4341E-03
24	0.9120	TO	0.9100	1.6638E-04	2.0893E-04	2.3292E-04	2.4142E-04
25	0.9100	TO	0.7900	1.1947E-02	1.4846E-02	1.6454E-02	1.7019E-02
26	0.7900	TO	0.7700	2.5837E-03	3.1531E-03	3.4590E-03	3.5647E-03
27	0.7700	TO	0.7550	3.7047E-03	4.3077E-03	4.5918E-03	4.6824E-03
28	0.7550	TO	0.7300	2.9312E-03	3.6546E-03	4.0547E-03	4.1945E-03
29	0.7300	TO	0.7200	1.1723E-03	1.4669E-03	1.6307E-03	1.6881E-03
30	0.7200	TO	0.6800	5.2695E-03	6.5349E-03	7.2294E-03	7.4713E-03
31	0.6800	TO	0.6700	1.2486E-03	1.5684E-03	1.7469E-03	1.8096E-03
32	0.6700	TO	0.6000	2.8290E-02	3.2455E-02	3.4310E-02	3.4879E-02
33	0.6000	TO	0.5800	4.8150E-03	5.8459E-03	6.3666E-03	6.5363E-03
34	0.5800	TO	0.5200	1.5133E-02	1.8495E-02	2.0211E-02	2.0773E-02
35	0.5200	TO	0.5090	3.4309E-03	4.1844E-03	4.5681E-03	4.6936E-03
36	0.5090	TO	0.4600	1.4654E-02	1.7941E-02	1.9624E-02	2.0175E-02
37	0.4600	TO	0.4060	1.8412E-02	2.2638E-02	2.4813E-02	2.5525E-02
38	0.4060	TO	0.3400	3.9327E-02	4.6604E-02	5.0125E-02	5.1242E-02
39	0.3400	TO	0.3370	1.8180E-03	2.1907E-03	2.3732E-03	2.4311E-03
40	0.3370	TO	0.3000	2.4748E-02	2.9859E-02	3.2360E-02	3.3152E-02
41	0.3000	TO	0.2560	4.2625E-02	5.0635E-02	5.4458E-02	5.5653E-02
42	0.2560	TO	0.2000	7.6945E-02	9.1885E-02	9.8995E-02	0.1012
43	0.2000	TO	0.1000	0.4200	0.5082	0.5504	0.5533
44	0.1000	TO	5.0000E-02	0.5378	0.6456	0.6968	0.7123
45	5.0000E-02	TO	1.0000E-02	2.3442E-02	2.8144E-02	3.0375E-02	3.1054E-02

TABLE LIV. TOTAL FLUX VERSUS ENERGY AND OVERBURDEN THICKNESS:
12PPM THORIUM SOURCE IN OVERBURDEN

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² sec)			
				OVERBURDEN THICKNESS (cm)			
				10.266	17.110	26.399	32.509
K	ENERGY RANGE (MEV)	ID =		4000112	4000122	4000132	4000142
1	3.000	TO	2.996	0.	0.	0.	0.
2	2.996	TO	2.410	6.5901E-02	7.9251E-02	8.6602E-02	8.9247E-02
3	2.410	TO	2.380	7.2329E-04	9.3871E-04	1.0839E-03	1.1459E-03
4	2.380	TO	2.330	1.2075E-03	1.5681E-03	1.8115E-03	1.9154E-03
5	2.330	TO	2.010	7.8396E-03	1.0210E-02	1.1817E-02	1.2505E-02
6	2.010	TO	1.900	2.9464E-03	3.8264E-03	4.4184E-03	4.6711E-03
7	1.900	TO	1.860	1.2005E-03	1.5458E-03	1.7744E-03	1.8710E-03
8	1.860	TO	1.670	6.1427E-03	7.8931E-03	9.0459E-03	9.5313E-03
9	1.670	TO	1.661	4.9149E-04	6.0728E-04	6.7692E-04	7.0443E-04
10	1.661	TO	1.556	1.4953E-02	1.7771E-02	1.9233E-02	1.9740E-02
11	1.556	TO	1.510	2.6674E-03	3.3424E-03	3.7563E-03	3.9206E-03
12	1.510	TO	1.480	3.0082E-03	3.6406E-03	3.9923E-03	4.1220E-03
13	1.480	TO	1.360	6.7227E-03	8.5245E-03	9.6534E-03	1.0107E-02
14	1.360	TO	1.357	1.7127E-04	2.1764E-04	2.4678E-04	2.5854E-04
15	1.357	TO	1.290	3.3109E-03	4.2871E-03	4.9204E-03	5.1807E-03
16	1.290	TO	1.208	4.9723E-03	6.3285E-03	7.1823E-03	7.5273E-03
17	1.208	TO	1.170	2.0538E-03	2.6654E-03	3.0625E-03	3.2258E-03
18	1.170	TO	1.100	4.4369E-03	5.6770E-03	6.4650E-03	6.7852E-03
19	1.100	TO	1.030	5.5540E-03	6.9809E-03	7.8587E-03	8.2087E-03
20	1.030	TO	0.9980	2.1018E-03	2.7231E-03	3.1233E-03	3.2868E-03
21	0.9980	TO	0.9690	2.1463E-03	2.7484E-03	3.1298E-03	3.2842E-03
22	0.9690	TO	0.9600	1.6730E-02	1.8713E-02	1.9425E-02	1.9598E-02
23	0.9600	TO	0.9120	5.9350E-03	7.3862E-03	8.2251E-03	8.5407E-03
24	0.9120	TO	0.9100	1.9340E-02	2.1436E-02	2.2119E-02	2.2264E-02
25	0.9100	TO	0.7900	3.1235E-02	3.7479E-02	4.0692E-02	4.1791E-02
26	0.7900	TO	0.7700	6.7386E-03	7.9954E-03	8.6222E-03	8.8323E-03
27	0.7700	TO	0.7550	4.3228E-03	5.2140E-03	5.6763E-03	5.8345E-03
28	0.7550	TO	0.7300	5.8407E-03	7.2293E-03	7.9845E-03	8.2500E-03
29	0.7300	TO	0.7200	9.2824E-03	1.0480E-02	1.0968E-02	1.1109E-02
30	0.7200	TO	0.6800	1.1194E-02	1.3770E-02	1.5144E-02	1.5618E-02
31	0.6800	TO	0.6700	2.9110E-03	3.5833E-03	3.9424E-03	4.0666E-03
32	0.6700	TO	0.6000	2.1191E-02	2.6226E-02	2.8940E-02	2.9884E-02
33	0.6000	TO	0.5800	2.0577E-02	2.3262E-02	2.4396E-02	2.4738E-02
34	0.5800	TO	0.5200	2.6899E-02	3.2610E-02	3.5672E-02	3.6703E-02
35	0.5200	TO	0.5090	1.0546E-02	1.2409E-02	1.3324E-02	1.3629E-02
36	0.5090	TO	0.4600	2.8388E-02	3.4478E-02	3.7593E-02	3.9639E-02
37	0.4600	TO	0.4060	3.5101E-02	4.2948E-02	4.6986E-02	4.8333E-02
38	0.4060	TO	0.3400	5.2045E-02	6.3989E-02	7.0166E-02	7.2227E-02
39	0.3400	TO	0.3370	5.8393E-03	6.6049E-03	6.9507E-03	7.0601E-03
40	0.3370	TO	0.3000	4.1335E-02	5.0116E-02	5.4560E-02	5.6025E-02
41	0.3000	TO	0.2560	6.2727E-02	7.6002E-02	8.2688E-02	8.4866E-02
42	0.2560	TO	0.2000	0.1368	0.1626	0.1751	0.1791
43	0.2000	TO	0.1000	0.7107	0.8618	0.9354	0.9587
44	0.1000	TO	5.0000E-02	0.8918	1.076	1.165	1.193
45	5.0000E-02	TO	1.0000E-02	3.8879E-02	4.6905E-02	5.0791E-02	5.2012E-02

TABLE LV. TOTAL FLUX VERSUS ENERGY AND OVERBURDEN THICKNESS:
2.5 PERCENT POTASSIUM SOURCE IN OVERBURDEN

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² sec)			
				OVERBURDEN THICKNESS (cm)			
				10.266	17.110	26.399	32.509
K	ENERGY RANGE (MEV)	ID =		4000113	4000123	4000133	4000143
1	3.080	TO	2.096	0.	0.	0.	0.
2	2.996	TO	2.410	0.	0.	0.	0.
3	2.410	TO	2.380	0.	0.	0.	0.
4	2.300	TO	2.330	0.	0.	0.	0.
5	2.330	TO	2.010	0.	0.	0.	0.
6	2.010	TO	1.900	0.	0.	0.	0.
7	1.900	TO	1.860	0.	0.	0.	0.
8	1.860	TO	1.670	0.	0.	0.	0.
9	1.670	TO	1.661	0.	0.	0.	0.
10	1.661	TO	1.556	0.	0.	0.	0.
11	1.556	TO	1.510	0.	0.	0.	0.
12	1.510	TO	1.480	0.	0.	0.	0.
13	1.480	TO	1.360	1.8194E-02	2.0862E-02	2.1961E-02	2.2253E-02
14	1.360	TO	1.357	6.4653E-05	7.9599E-05	8.7466E-05	9.0021E-05
15	1.357	TO	1.290	1.4505E-03	1.7896E-03	1.9682E-03	2.0264E-03
16	1.290	TO	1.208	1.8024E-03	2.2278E-03	2.4543E-03	2.5288E-03
17	1.208	TO	1.170	8.4832E-04	1.0510E-03	1.1594E-03	1.1953E-03
18	1.170	TO	1.100	1.5909E-03	1.9753E-03	2.1823E-03	2.2511E-03
19	1.100	TO	1.030	1.6368E-03	2.0383E-03	2.2559E-03	2.3288E-03
20	1.030	TO	0.9980	7.6705E-04	9.5719E-04	1.0608E-03	1.0956E-03
21	0.9980	TO	0.8680	7.0717E-04	0.0002E-04	0.0004E-04	1.0120E-03
22	0.9690	TO	0.9600	2.2199E-04	2.7760E-04	3.0805E-04	3.1834E-04
23	0.9600	TO	0.9120	1.2067E-03	1.5110E-03	1.6780E-03	1.7346E-03
24	0.9120	TO	0.9100	5.1156E-05	6.4122E-05	7.1254E-05	7.3678E-05
25	0.9100	TO	0.7900	3.2368E-03	4.0695E-03	4.5304E-03	4.6879E-03
26	0.7900	TO	0.7700	5.7556E-04	7.2553E-04	8.0895E-04	8.3755E-04
27	0.7700	TO	0.7550	4.4020E-04	5.5529E-04	6.1938E-04	6.4138E-04
28	0.7550	TO	0.7300	7.5147E-04	9.4868E-04	1.0587E-03	1.0964E-03
29	0.7300	TO	0.7200	3.0716E-04	3.8807E-04	4.3322E-04	4.4874E-04
30	0.7200	TO	0.6800	1.2717E-03	1.6080E-03	1.7960E-03	1.8607E-03
31	0.6800	TO	0.6700	3.2937E-04	4.1681E-04	4.6575E-04	4.8260E-04
32	0.6700	TO	0.6000	2.4681E-03	3.1272E-03	3.4968E-03	3.6243E-03
33	0.6000	TO	0.5800	7.6336E-04	9.6805E-04	1.0829E-03	1.1225E-03
34	0.5800	TO	0.5200	2.5030E-03	3.1759E-03	3.5535E-03	3.6837E-03
35	0.5200	TO	0.5090	5.2146E-04	6.5894E-04	7.3542E-04	7.6166E-04
36	0.5090	TO	0.4600	2.4197E-03	3.0689E-03	3.4322E-03	3.5573E-03
37	0.4600	TO	0.4050	3.1427E-03	3.9802E-03	4.4473E-03	4.6077E-03
38	0.4050	TO	0.3400	4.8976E-03	6.1818E-03	6.8929E-03	7.1360E-03
39	0.3400	TO	0.3370	2.5703E-04	3.2365E-04	3.6038E-04	3.7291E-04
40	0.3370	TO	0.3000	3.5577E-03	4.4707E-03	4.9723E-03	5.1429E-03
41	0.3000	TO	0.2560	5.4756E-03	6.8522E-03	7.6031E-03	7.8575E-03
42	0.2560	TO	0.2000	1.0100E-02	1.2643E-02	1.4030E-02	1.4499E-02
43	0.2000	TQ	0.1000	4.7839E-02	6.1069E-02	6.8461E-02	7.0936E-02
44	0.1000	TO	5.0000E-02	5.4518E-02	7.0018E-02	7.8726E-02	8.1720E-02
45	5.0000E-02	TO	1.0000E-02	2.3762E-03	3.0518E-03	3.4314E-03	3.5619E-03

TABLE LVI. TOTAL FLUX VERSUS ENERGY AND OVERBURDEN THICKNESS:
3.2PPM URANIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² sec)			
				OVERBURDEN THICKNESS (cm)			
				10.266	17.110	26.399	32.509
K	ENERGY RANGE (MEV)	ID =		4110110	4110120	4110130	4110140
1	3.080	TO	2.996	1.5999E-05	8.4900E-06	4.0992E-06	2.4159E-06
2	2.996	TO	2.410	8.1304E-04	4.3352E-04	2.1065E-04	1.2479E-04
3	2.410	TO	2.380	1.7435E-05	1.0620E-05	5.8424E-06	3.6993E-06
4	2.380	TO	2.330	4.0628E-05	2.3401E-05	1.2274E-05	7.5940E-06
5	2.330	TO	2.010	2.6965E-03	1.3494E-03	6.1184E-04	3.4754E-04
6	2.010	TO	1.900	3.6368E-04	2.1140E-04	1.0982E-04	6.6800E-05
7	1.900	TO	1.860	2.8911E-04	1.3920E-04	6.5416E-05	3.7932E-05
8	1.860	TO	1.670	6.1286E-03	2.8686E-03	1.2137E-03	6.6352E-04
9	1.670	TO	1.661	3.3072E-04	1.5520E-04	6.5796E-05	3.5988E-05
10	1.661	TO	1.556	1.5756E-03	8.4148E-04	4.0064E-04	2.3124E-04
11	1.556	TO	1.510	7.4332E-04	3.8462E-04	1.8720E-04	1.0784E-04
12	1.510	TO	1.480	7.7780E-04	3.7876E-04	1.6805E-04	8.4124E-05
13	1.480	TO	1.360	3.2490E-03	1.5997E-03	7.1304E-04	4.0048E-04
14	1.360	TO	1.357	5.5576E-05	3.0424E-05	1.4692E-05	8.6028E-06
15	1.357	TO	1.290	1.2992E-03	7.0712E-04	3.4036E-04	1.8683E-04
16	1.290	TO	1.208	2.5954E-03	1.2715E-03	5.6572E-04	3.1780E-04
17	1.208	TO	1.170	9.5140E-04	5.0472E-04	2.3794E-04	1.3631E-04
18	1.170	TO	1.100	3.5768E-03	1.6254E-03	6.7928E-04	3.7278E-04
19	1.100	TO	1.030	2.3220E-03	1.2128E-03	5.6080E-04	3.1737E-04
20	1.030	TO	0.9980	1.1364E-03	5.8992E-04	2.7142E-04	1.5299E-04
21	0.9980	TO	0.9690	1.0148E-03	5.3648E-04	2.5011E-04	1.4185E-04
22	0.9690	TO	0.9600	3.4730E-04	1.7873E-04	8.1984E-05	4.6316E-05
23	0.9600	TO	0.9120	2.0097E-03	1.0191E-03	4.6304E-04	2.6084E-04
24	0.9120	TO	0.9100	7.7536E-05	4.0940E-05	1.8051E-05	1.0790E-05
25	0.9100	TO	0.7900	5.2196E-03	2.7287E-03	1.2633E-03	7.1436E-04
26	0.7900	TO	0.7700	1.0020E-03	5.1412E-04	2.3548E-04	1.3288E-04
27	0.7700	TO	0.7550	9.6808E-04	4.5600E-04	1.9849E-04	1.1088E-04
28	0.7550	TO	0.7300	1.2978E-03	6.7612E-04	3.1130E-04	1.7544E-04
29	0.7300	TO	0.7200	5.3052E-04	2.7725E-04	1.2787E-04	7.2088E-05
30	0.7200	TO	0.6800	2.2577E-03	1.1710E-03	5.3784E-04	3.0291E-04
31	0.6800	TO	0.6700	5.7744E-04	3.0242E-04	1.3953E-04	7.8608E-05
32	0.6700	TO	0.6000	6.4344E-03	2.9107E-03	1.2336E-03	6.8540E-04
33	0.6000	TO	0.5800	1.7239E-03	8.4164E-04	3.6820E-04	2.0372E-04
34	0.5800	TO	0.5200	5.6592E-03	2.7795E-03	1.2177E-03	6.7280E-04
35	0.5200	TO	0.5090	1.2652E-03	6.2064E-04	2.7196E-04	1.5043E-04
36	0.5090	TO	0.4600	5.5380E-03	2.7215E-03	1.1898E-03	6.5580E-04
37	0.4600	TO	0.4060	7.1384E-03	3.5145E-03	1.5346E-03	8.4420E-04
38	0.4060	TO	0.3400	1.1800E-02	5.5960E-03	2.3984E-03	1.3175E-03
39	0.3400	TO	0.3370	6.0800E-04	2.8959E-04	1.2386E-04	6.7824E-05
40	0.3370	TO	0.3000	8.3328E-03	3.9651E-03	1.6929E-03	9.2616E-04
41	0.3000	TO	0.2560	1.2849E-02	6.0216E-03	2.5522E-03	1.3962E-03
42	0.2560	TO	0.2000	2.3897E-02	1.1162E-02	4.7100E-03	2.5714E-03
43	0.2000	TO	0.1000	1.4081E-01	6.5532E-02	2.7189E-02	1.4647E-02
44	0.1000	TO	5.0000E-02	1.7779E-01	8.2340E-02	3.3976E-02	1.8246E-02
45	5.0000E-02	TO	1.0000E-02	7.7520E-03	3.5902E-03	1.4814E-03	7.9552E-04

TABLE LVII. TOTAL FLUX VERSUS ENERGY AND OVERBURDEN THICKNESS:
200PPM URANIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² sec)			
				OVERBURDEN THICKNESS (cm)			
				10.266	17.110	26.399	32.509
K	ENERGY RANGE (MEV)	ID =		4160110	4160120	4160130	4160140
1	3.080	TO	2.996	9.9995E-04	5.3062E-04	2.5620E-04	1.6098E-04
2	2.900	TO	2.410	5.0815E-02	2.7095E-02	1.3166E-02	7.7995E-03
3	2.410	TO	2.380	1.0897E-03	6.6372E-04	3.6515E-04	2.3121E-04
4	2.380	TO	2.330	2.5393E-03	1.4625E-03	7.6715E-04	4.7463E-04
5	2.330	TO	2.010	1.6853E-01	8.4338E-02	3.8240E-02	2.1721E-02
6	2.010	TO	1.900	2.2724E-02	1.3213E-02	6.8635E-03	4.1760E-03
7	1.900	TO	1.860	1.6820E-02	8.6997E-03	4.0885E-03	2.3708E-03
8	1.860	TO	1.670	3.8310E-01	1.7935E-01	7.5855E-02	4.1470E-02
9	1.670	TO	1.661	2.0670E-02	9.7000E-03	4.1123E-03	2.2498E-03
10	1.661	TO	1.556	9.8475E-02	5.2593E-02	2.5040E-02	1.4463E-02
11	1.556	TO	1.510	4.6457E-02	2.4664E-02	1.1700E-02	6.7463E-03
12	1.510	TO	1.480	4.8613E-02	2.3734E-02	1.0503E-02	5.8828E-03
13	1.480	TO	1.360	2.0306E-01	9.9980E-02	4.4665E-02	2.5030E-02
14	1.360	TO	1.357	3.4735E-03	1.9015E-03	9.1825E-04	5.3143E-04
15	1.357	TO	1.290	8.1200E-02	4.4195E-02	2.1272E-02	1.2302E-02
16	1.290	TO	1.208	1.6221E-01	7.9468E-02	3.5368E-02	1.8868E-02
17	1.208	TO	1.170	5.9463E-02	3.1545E-02	1.4871E-02	8.6196E-03
18	1.170	TO	1.100	2.2355E-01	1.0159E-01	4.2456E-02	2.3298E-02
19	1.100	TO	1.030	1.4613E-01	7.5803E-02	3.5050E-02	1.9836E-02
20	1.030	TO	0.9980	7.1023E-02	3.6870E-02	1.6963E-02	9.5620E-03
21	0.9980	TO	0.9690	6.3423E-02	3.3530E-02	1.5632E-02	8.8668E-03
22	0.9690	TO	0.9200	2.1706E-02	1.1170E-02	5.1240E-03	2.8847E-03
23	0.9200	TO	0.9120	1.2561E-01	6.3693E-02	2.8940E-02	1.6302E-02
24	0.9120	TO	0.9100	4.8460E-03	2.5588E-03	1.1907E-03	6.7440E-04
25	0.9100	TO	0.7900	3.2623E-01	1.7061E-01	7.8955E-02	4.4647E-02
26	0.7900	TO	0.7700	6.2625E-02	3.2133E-02	1.4717E-02	8.3050E-03
27	0.7700	TO	0.7550	6.0505E-02	2.8500E-02	1.2406E-02	6.9303E-03
28	0.7550	TO	0.7300	8.1113E-02	4.2258E-02	1.8457E-02	1.0866E-02
29	0.7300	TO	0.7200	3.3157E-02	1.7328E-02	7.8917E-03	4.5055E-03
30	0.7200	TO	0.6800	1.4110E-01	7.3188E-02	3.3615E-02	1.8832E-02
31	0.6800	TO	0.6700	3.6090E-02	1.8901E-02	8.7205E-03	4.9130E-03
32	0.6700	TO	0.6000	4.0215E-01	1.8192E-01	7.7100E-02	4.2838E-02
33	0.6000	TO	0.5800	1.0774E-01	5.2602E-02	2.3013E-02	1.2733E-02
34	0.5800	TO	0.5200	3.5370E-01	1.7372E-01	7.6105E-02	4.2050E-02
35	0.5200	TO	0.5090	7.9075E-02	3.8790E-02	1.6998E-02	9.4017E-03
36	0.5090	TO	0.4600	3.4812E-01	1.7010E-01	7.4363E-02	4.0988E-02
37	0.4600	TO	0.4060	4.4615E-01	2.1965E-01	9.5915E-02	5.2762E-02
38	0.4060	TO	0.3400	7.3752E-01	3.4975E-01	1.4990E-01	8.2343E-02
39	0.3400	TO	0.3370	3.8000E-02	1.8099E-02	7.7410E-03	4.2390E-03
40	0.3370	TO	0.3000	5.2080E-01	2.4782E-01	1.0581E-01	5.7885E-02
41	0.3000	TO	0.2560	8.0303E-01	3.7635E-01	1.5952E-01	8.7263E-02
42	0.2560	TO	0.2000	1.4936E+00	6.9760E-01	2.9437E-01	1.6071E-01
43	0.2000	TO	0.1000	8.8008E+00	4.0957E+00	1.6993E+00	9.1543E-01
44	0.1000	TO	5.0000E-02	1.1112E+01	5.1463E+00	2.1235E+00	1.1404E+00
45	5.0000E-02	TO	1.0000E-02	4.8450E-01	2.2439E-01	9.2585E-02	4.9720E-02

TABLE LVIII. TOTAL FLUX VERSUS ENERGY AND OVERBURDEN THICKNESS:
800PPM URANIUM SOURCE IN SANDSTONE ORE BODY

RECEIVER AT 400 FT HEIGHT

				(photons/cm ² sec)			
				OVERBURDEN THICKNESS (cm)			
				10.266	17.110	26.399	32.509
1	ENERGY RANGE (MEV)	ID =		4170110	4170120	4170130	4170140
1	3.000	TO	2.596	3.9998E-03	2.1225E-03	1.0248E-03	6.0397E-04
2	2.996	TO	2.410	2.0326E-01	1.0838E-01	5.2663E-02	3.1198E-02
3	2.410	TO	2.380	4.3588E-03	2.6549E-03	1.4606E-03	9.2482E-04
4	2.380	TO	2.330	1.0157E-02	5.8502E-03	3.0686E-03	1.8985E-03
5	2.330	TO	2.010	6.7413E-01	3.3735E-01	1.5296E-01	8.6886E-02
6	2.010	TO	1.900	9.0896E-02	5.2850E-02	2.7454E-02	1.6700E-02
7	1.900	TO	1.860	6.7278E-02	3.4799E-02	1.6354E-02	9.4831E-03
8	1.860	TO	1.670	1.5324E+00	7.1740E-01	3.0342E-01	1.6588E-01
9	1.670	TO	1.661	8.2601E-02	3.8800E-02	1.6449E-02	8.9996E-03
10	1.661	TO	1.556	3.9390E-01	2.1037E-01	1.0016E-01	5.7810E-02
11	1.556	TO	1.510	1.8583E-01	9.8655E-02	4.8799E-02	2.6985E-02
12	1.510	TO	1.480	1.9445E-01	9.4938E-02	4.2013E-02	2.3531E-02
13	1.480	TO	1.360	8.1226E-01	3.9992E-01	1.7826E-01	1.0012E-01
14	1.360	TO	1.357	1.3894E-02	7.6060E-03	3.6730E-03	2.1257E-03
15	1.357	TO	1.290	3.2480E-01	1.7678E-01	8.5080E-02	4.9207E-02
16	1.290	TO	1.208	6.4886E-01	3.1787E-01	1.4143E-01	7.9474E-02
17	1.208	TO	1.170	2.3785E-01	1.2618E-01	5.9485E-02	3.4078E-02
18	1.170	TO	1.100	8.9420E-01	4.0634E-01	1.6982E-01	9.3197E-02
19	1.100	TO	1.030	5.8050E-01	3.0321E-01	1.4020E-01	7.9342E-02
20	1.030	TO	0.9900	2.8409E-01	1.4748E-01	6.7854E-02	3.8248E-02
21	0.9900	TO	0.9690	2.5369E-01	1.3412E-01	6.2627E-02	3.5463E-02
22	0.9690	TO	0.9500	8.6825E-02	4.4682E-02	2.0496E-02	1.1579E-02
23	0.9500	TO	0.9120	5.0243E-01	2.5477E-01	1.1576E-01	6.5210E-02
24	0.9120	TO	0.9100	1.9384E-02	1.0235E-02	4.7627E-03	2.6976E-03
25	0.9100	TO	0.7900	1.3049E+00	6.8242E-01	3.1582E-01	1.7859E-01
26	0.7900	TO	0.7700	2.5050E-01	1.2853E-01	5.8868E-02	3.3220E-02
27	0.7700	TO	0.7550	2.4202E-01	1.1400E-01	4.9623E-02	2.7721E-02
28	0.7550	TO	0.7300	3.2445E-01	1.6903E-01	7.7826E-02	4.3881E-02
29	0.7300	TO	0.7200	1.3283E-01	8.9313E-02	3.1967E-02	1.8022E-02
30	0.7200	TO	0.6800	5.8442E-01	2.9275E-01	1.3446E-01	7.5728E-02
31	0.6800	TO	0.6700	1.4436E-01	7.5604E-02	3.4882E-02	1.9662E-02
32	0.6700	TO	0.6000	1.6086E+00	7.2768E-01	3.0840E-01	1.7135E-01
33	0.6000	TO	0.5800	4.3097E-01	2.1041E-01	9.2050E-02	5.0931E-02
34	0.5800	TO	0.5200	1.4148E+00	8.9487E-01	3.0442E-01	1.6820E-01
35	0.5200	TO	0.5090	3.1630E-01	1.5516E-01	8.7991E-02	3.7807E-02
36	0.5090	TO	0.4500	1.3845E+00	6.8038E-01	2.9745E-01	1.6395E-01
37	0.4500	TO	0.4050	1.7846E+00	8.7862E-01	3.8366E-01	2.1105E-01
38	0.4050	TO	0.3400	2.9501E+00	1.3990E+00	5.9961E-01	3.2937E-01
39	0.3400	TO	0.3370	1.5200E-01	7.2397E-02	3.0964E-02	1.6956E-02
40	0.3370	TO	0.3000	2.0832E+00	9.9127E-01	4.2323E-01	2.3154E-01
41	0.3000	TO	0.2560	3.2123E+00	1.5054E+00	6.3806E-01	3.4905E-01
42	0.2560	TO	0.2000	5.9742E+00	2.7904E+00	1.1775E+00	6.4286E-01
43	0.2000	TO	0.1800	3.5203E+01	1.6383E+01	6.7973E+00	3.6617E+00
44	0.1800	TO	5.0000E-02	4.4447E+01	2.0585E+01	8.4939E+00	4.5616E+00
45	5.0000E-02	TO	1.0000E-02	1.9380E+00	8.9754E-01	3.7034E-01	1.9888E-01

TABLE LIX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2110100

(4π photons/cm² sec ster)

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I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3 000	2.9187E-08	3.3313E-08	-2.7530E-09	-5.1297E-08	1.6540E-08	9.3337E-05	2.0936E-04	2.4211E-04	2.6113E-04
2	2.996	1.1912E-05	1.3268E-05	-1.7581E-06	-2.0208E-05	1.3224E-05	4.6333E-03	1.0489E-02	1.2110E-02	1.2997E-02
3	2.410	1.2516E-06	1.3647E-06	-2.2674E-07	-2.0345E-06	1.6932E-06	7.8389E-05	1.3734E-04	1.4551E-04	1.4348E-04
4	2.360	2.1606E-06	2.3333E-06	-4.1875E-07	-3.4572E-06	3.5452E-06	2.0174E-04	4.0822E-04	4.5461E-04	4.7051E-04
5	2.330	4.1437E-05	4.7617E-05	-5.9225E-06	-7.3507E-05	5.5978E-05	1.6195E-02	4.0355E-02	4.7451E-02	5.1399E-02
6	2.010	2.5333E-05	2.8453E-05	-4.7472E-06	-4.3039E-05	4.7429E-05	1.7127E-03	3.1243E-03	3.3460E-03	3.3127E-03
7	1.900	1.0032E-05	1.0986E-05	-2.2400E-06	-1.6339E-05	2.2684E-05	1.5183E-03	3.6720E-03	4.2794E-03	4.5825E-03
8	1.850	9.4162E-05	1.1276E-04	-1.3792E-05	-1.7672E-04	1.7063E-04	3.8055E-02	0.1071	0.1264	0.1404
9	1.670	6.7060E-06	8.2594E-06	-9.2309E-07	-1.3071E-05	1.2642E-05	2.0784E-03	5.7245E-03	6.6543E-03	7.4807E-03
10	1.661	8.7995E-05	1.0347E-04	-1.6309E-05	-1.5997E-04	2.0754E-04	8.2778E-03	1.7586E-02	1.9733E-02	2.0316E-02
11	1.556	4.3032E-05	4.8221E-05	-1.0630E-05	-7.2256E-05	1.2982E-04	3.9079E-03	8.5066E-03	9.6480E-03	1.0021E-02
12	1.510	2.9776E-05	3.2977E-05	-8.0103E-06	-4.6760E-05	9.8738E-05	4.5951E-03	1.2139E-02	1.4440E-02	1.5629E-02
13	1.480	1.3681E-04	1.5006E-04	-4.0448E-05	-2.1781E-04	5.3248E-04	1.0852E-02	4.9080E-02	5.8272E-02	6.2887E-02
14	1.350	3.7614E-06	4.0794E-06	-1.2108E-06	-5.7951E-06	1.6644E-05	2.7145E-04	5.0897E-04	5.5569E-04	5.5551E-04
15	1.357	8.6537E-05	9.1105E-05	-9.0883E-05	-1.2519E-04	4.2885E-04	6.3752E-03	1.2330E-02	1.3647E-02	1.3825E-02
16	1.290	1.1260E-04	1.1586E-04	-4.5657E-05	-1.4934E-04	6.8687E-04	1.4917E-02	3.9702E-02	4.7765E-02	5.1889E-02
17	1.208	5.4681E-05	5.5066E-05	-2.4026E-05	-6.6093E-05	3.9276E-04	4.7923E-03	9.9932E-03	1.1397E-02	1.1851E-02
18	1.170	1.0525E-04	1.0917E-04	-4.6250E-05	-1.2571E-04	8.7036E-04	2.2459E-02	6.9029E-02	8.5206E-02	9.4517E-02
19	1.100	1.1098E-04	1.1369E-04	-5.2848E-05	-1.1088E-04	1.1443E-03	1.1815E-02	2.4034E-02	2.7362E-02	2.8351E-02
20	1.030	5.0350E-05	4.8095E-05	-2.7672E-05	-3.1535E-05	6.4319E-04	5.7886E-03	1.2141E-02	1.4047E-02	1.4773E-02
21	0.9980	4.4245E-05	4.0186E-05	-2.6349E-05	-1.4158E-05	6.5822E-04	4.9751E-03	9.5450E-03	1.0866E-02	1.1289E-02
22	0.9690	1.3303E-05	1.1656E-05	-8.3397E-06	-1.1401E-06	2.1991E-04	1.7824E-03	3.5461E-03	4.6617E-03	4.9918E-03
23	0.9600	6.5871E-05	5.5296E-05	-4.3723E-05	2.4104E-05	1.3096E-03	1.0532E-02	2.4774E-02	2.9739E-02	3.2231E-02
24	0.9120	2.5287E-06	2.0243E-06	-1.7631E-06	2.2402E-06	5.9664E-05	3.7601E-04	7.1135E-04	8.1686E-04	8.5682E-04
25	0.9100	9.8979E-05	5.4955E-05	-7.8617E-05	4.2875E-04	4.6201E-03	2.5446E-02	5.1171E-02	6.0417E-02	6.4950E-02
26	0.7900	3.0539E-06	-5.4426E-06	-2.3263E-06	1.4305E-04	9.3559E-04	5.0086E-03	1.1236E-02	1.3730E-02	1.5158E-02
27	0.7700	-1.5859E-06	-7.0828E-06	2.6953E-06	1.2403E-04	7.9674E-04	5.5882E-03	1.7474E-02	2.2434E-02	2.5505E-02
28	0.7550	-9.4493E-06	-1.7629E-05	1.4236E-05	2.4428E-04	1.4384E-03	6.2659E-03	1.2060E-02	1.4339E-02	1.5557E-02
29	0.7300	-5.9643E-06	-9.3096E-06	9.1584E-06	1.1322E-04	6.1866E-04	2.5366E-03	4.7549E-03	5.6492E-03	6.1304E-03
30	0.7200	-3.8708E-05	-5.0908E-05	6.4064E-05	5.5996E-04	2.7546E-03	1.0910E-02	2.1591E-02	2.6107E-02	2.8751E-02
31	0.6800	-1.3507E-05	-1.6067E-05	2.4540E-05	1.6951E-04	7.6391E-04	2.7226E-03	4.9137E-03	5.8677E-03	6.4326E-03
32	0.6700	-1.5928E-04	-1.2842E-04	3.4229E-04	1.5622E-03	6.3668E-03	3.9312E-02	0.1336	0.1754	0.2018
33	0.6000	-5.3893E-05	-3.2167E-05	1.6233E-04	5.9977E-04	2.2570E-03	9.3859E-03	1.9530E-02	2.3640E-02	2.5838E-02
34	0.5800	-1.2215E-04	-4.2453E-05	7.4927E-04	2.5187E-03	8.6551E-03	3.0344E-02	5.8071E-02	7.1266E-02	7.8601E-02
35	0.5200	2.0737E-04	2.5722E-04	4.9173E-04	9.4240E-04	2.3734E-03	6.7970E-03	1.2770E-02	1.5643E-02	1.7499E-02
36	0.5090	4.0652E-05	1.8055E-04	1.3145E-03	3.6181E-03	1.0471E-02	2.9464E-02	5.4071E-02	6.6451E-02	7.4781E-02
37	0.4600	4.1493E-04	7.3044E-04	2.7226E-03	6.3566E-03	1.5892E-02	3.7729E-02	6.3935E-02	7.8358E-02	8.8834E-02
38	0.4060	2.3650E-03	3.3243E-03	7.4457E-03	1.3977E-02	2.9189E-02	5.7784E-02	0.1493	0.1935	0.2245
39	0.3400	2.1023E-04	2.7659E-04	5.1370E-04	8.7110E-04	1.6733E-03	3.5229E-03	6.1385E-03	7.4713E-03	8.3985E-03
40	0.3370	4.2268E-03	5.3045E-03	8.6639E-03	1.3680E-02	2.4722E-02	4.8546E-02	7.9577E-02	9.6559E-02	0.1084
41	0.3000	1.2608E-02	1.4883E-02	2.0000E-02	2.7319E-02	4.2880E-02	7.7459E-02	0.1362	0.1725	0.1967
42	0.2560	4.8259E-02	5.4131E-02	6.1208E-02	7.1564E-02	9.3804E-02	0.1420	0.2391	0.2487	0.2779
43	0.2000	0.3566	0.3580	0.4390	0.4942	0.5962	0.7643	0.9384	1.047	1.132
44	0.1000	0.5690	0.6160	0.6590	0.7114	0.7911	0.8767	0.8942	0.8903	0.8851
45	5.0000E-02	3.0538E-02	3.2366E-02	3.3240E-02	3.4130E-02	3.5072E-02	3.5994E-02	3.6733E-02	3.7012E-02	3.6615E-02

TABLE LX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2110200

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	2.4965E-08	2.9370E-08	-1.1269E-09	-4.5859E-08	6.3140E-09	7.9333E-05	1.9733E-04	2.3191E-04	2.5201E-04
2	2.996	1.0299E-05	1.1771E-05	-1.1008E-06	-1.8172E-05	8.8301E-06	3.9764E-03	9.8912E-03	1.1603E-02	1.2547E-02
3	2.410	1.0885E-06	1.2156E-06	-1.5627E-07	-1.8399E-06	1.3926E-06	7.1672E-05	1.3313E-04	1.4302E-04	1.4193E-04
4	2.380	1.8838E-06	2.0838E-06	-3.0229E-07	-3.1332E-06	2.6775E-06	1.7902E-04	3.8961E-04	4.4025E-04	4.5868E-04
5	2.330	3.5045E-05	4.1698E-05	-3.4120E-06	-6.5565E-05	3.8068E-05	1.3654E-02	3.7797E-02	4.5226E-02	4.9404E-02
6	2.010	2.1629E-05	2.5027E-05	-3.1702E-06	-3.8662E-05	3.5407E-05	1.5537E-03	3.0198E-03	3.2836E-03	3.2757E-03
7	1.500	8.6764E-06	9.7443E-06	-1.6517E-06	-1.4777E-05	1.7709E-05	1.2989E-03	3.4483E-03	4.0909E-03	4.4172E-03
8	1.860	7.7623E-05	9.7053E-05	-7.1269E-06	-1.5628E-04	1.1908E-04	3.2162E-02	9.9492E-02	0.1217	0.1344
9	1.670	5.5336E-06	7.0784E-06	-4.2247E-07	-1.1514E-05	8.7188E-06	1.7251E-03	5.3183E-03	6.4983E-03	7.1601E-03
10	1.661	7.3916E-05	8.9372E-05	-1.0349E-05	-1.4229E-04	1.5521E-04	7.2993E-03	1.6730E-02	1.9106E-02	1.9839E-02
11	1.556	3.6467E-05	4.2252E-05	-7.8271E-06	-6.5075E-05	1.0298E-04	3.4380E-03	8.0738E-03	9.3188E-03	9.7626E-03
12	1.510	2.5362E-05	2.8947E-05	-6.0271E-06	-4.4063E-05	7.9553E-05	3.8800E-03	1.1316E-02	1.3731E-02	1.5003E-02
13	1.480	1.1711E-04	1.3186E-04	-3.1520E-05	-1.3740E-04	4.3654E-04	1.6010E-02	4.5801E-02	5.5473E-02	6.0438E-02
14	1.360	3.2300E-06	3.5914E-06	-9.6531E-07	-5.2759E-06	1.3813E-05	2.4571E-04	4.9073E-04	5.4538E-04	5.5053E-04
15	1.357	7.4945E-05	8.0539E-05	-2.5371E-05	-1.1500E-04	3.6061E-04	5.7508E-03	1.1844E-02	1.3342E-02	1.3643E-02
16	1.290	9.0614E-05	1.0335E-04	-3.8539E-05	-1.3881E-04	5.0623E-04	1.2685E-02	3.7028E-02	4.5381E-02	4.9789E-02
17	1.208	4.7937E-05	4.9323E-05	-2.0603E-05	-6.1986E-05	3.3824E-04	4.2815E-03	9.5169E-03	1.1052E-02	1.1602E-02
18	1.170	9.0748E-05	9.6493E-05	-3.9200E-05	-1.1721E-04	7.5077E-04	1.8540E-02	6.3495E-02	8.0274E-02	8.9558E-02
19	1.100	9.5642E-05	1.0039E-04	-4.5503E-05	-1.0508E-04	9.9454E-04	1.0595E-02	2.2941E-02	2.6617E-02	2.7868E-02
20	1.030	4.4476E-05	4.3222E-05	-2.4603E-05	-3.2242E-05	5.6456E-04	5.1817E-03	1.1542E-02	1.3606E-02	1.4456E-02
21	0.9980	3.9642E-05	3.6592E-05	-2.3870E-05	-1.7042E-05	5.8090E-04	4.5185E-03	9.1539E-03	1.0615E-02	1.1142E-02
22	0.9690	1.2030E-05	1.0711E-05	-7.6406E-06	-2.5080E-06	1.9468E-04	1.5870E-03	3.7276E-03	4.4874E-03	4.8538E-03
23	0.9600	6.0027E-05	5.1228E-05	-4.0630E-05	-1.2271E-05	1.1638E-03	9.2970E-03	2.3254E-02	2.8460E-02	3.1171E-02
24	0.9120	2.3221E-06	1.8928E-06	-1.6610E-06	1.6192E-06	5.3360E-05	3.4299E-04	6.8289E-04	7.9304E-04	8.4565E-04
25	0.9100	9.6287E-05	5.6530E-05	-7.9853E-05	3.5751E-04	4.1632E-03	2.3104E-02	4.8714E-02	5.8524E-02	6.3543E-02
26	0.7900	4.5356E-06	-3.4770E-06	-4.4693E-06	1.2372E-04	9.0254E-04	4.4954E-03	1.0556E-02	1.3139E-02	1.4656E-02
27	0.7700	-3.5022E-07	-5.6072E-06	5.4870E-07	1.0830E-04	7.2322E-04	4.7328E-03	1.5955E-02	2.0983E-02	2.4153E-02
28	0.7550	-6.9533E-06	-1.4917E-05	9.5437E-06	2.1495E-04	1.3079E-03	5.7341E-03	1.1509E-02	1.3917E-02	1.5253E-02
29	0.7300	-4.7264E-06	-7.9848E-06	6.8062E-06	9.9996E-05	5.6363E-04	2.3310E-03	4.5481E-03	5.4924E-03	6.0276E-03
30	0.7200	-3.1813E-05	-4.4310E-05	5.1229E-05	4.9653E-04	2.5166E-03	9.9780E-03	2.0504E-02	2.5208E-02	2.8040E-02
31	0.6800	-1.1418E-05	-1.4114E-05	2.0197E-05	1.5131E-04	6.9972E-04	2.5188E-03	4.7104E-03	5.7107E-03	6.3204E-03
32	0.6700	-1.5126E-04	-1.2630E-04	3.0130E-04	1.4205E-03	5.8347E-03	3.2954E-02	0.1209	0.1629	0.1900
33	0.6000	-5.3448E-05	-3.4579E-05	1.4573E-04	5.5002E-04	2.0630E-03	8.4497E-03	1.8430E-02	2.2777E-02	2.5214E-02
34	0.5800	-1.1977E-04	-4.5865E-05	6.7555E-04	2.3057E-03	7.9583E-03	2.7662E-02	5.5716E-02	6.8814E-02	7.6780E-02
35	0.5200	1.9458E-04	2.3984E-04	4.4530E-04	8.6970E-04	2.1922E-03	6.2266E-03	1.2063E-02	1.5023E-02	1.6982E-02
36	0.5090	3.4723E-05	1.5975E-04	1.1970E-03	3.3235E-03	9.6872E-03	2.7174E-02	5.1248E-02	6.3946E-02	7.2677E-02
37	0.4600	3.7762E-04	6.6298E-04	2.4988E-03	5.8749E-03	1.4778E-02	3.5153E-02	6.0796E-02	7.5431E-02	8.6240E-02
38	0.4060	2.1607E-03	3.0385E-03	6.9061E-03	1.3041E-02	2.7315E-02	6.1707E-02	0.1371	0.1810	0.2124
39	0.3400	1.9323E-04	2.5427E-04	4.7848E-04	8.1576E-04	1.5683E-03	3.2562E-03	5.7391E-03	7.1223E-03	8.0867E-03
40	0.3370	3.9136E-03	4.9094E-03	8.0979E-03	1.2030E-02	2.3189E-02	4.5077E-02	7.5013E-02	9.2044E-02	0.1042
41	0.3000	1.1799E-02	1.3912E-02	1.8776E-02	2.5693E-02	4.0256E-02	7.1468E-02	0.1278	0.1617	0.1861
42	0.2560	4.5634E-02	5.1122E-02	5.7714E-02	6.7329E-02	8.7895E-02	0.1319	0.1956	0.2350	0.2646
43	0.2000	0.3373	0.3764	0.4150	0.4673	0.5638	0.7233	0.8938	1.003	1.090
44	0.1000	0.5458	0.5917	0.6337	0.6851	0.7642	0.8530	0.8827	0.8848	0.8833
45	5.0000E-02	2.9525E-02	3.1368E-02	3.2247E-02	3.3145E-02	3.4097E-02	3.5047E-02	3.5879E-02	3.6418E-02	3.6496E-02

TABLE LXI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2110300

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	2.1161E-08	2.5775E-08	3.2713E-10	-4.0893E-08	-1.0628E-09	6.0456E-05	1.0609E-04	2.2215E-04	2.4320E-04
2	2.995	8.7911E-06	1.0368E-05	-5.0871E-07	-1.6366E-05	4.9470E-06	3.4146E-03	9.3272E-03	1.1118E-02	1.2113E-02
3	2.410	9.4036E-07	1.0784E-06	-9.7432E-06	-1.6565E-06	9.6394E-07	6.5430E-05	1.2695E-04	1.4043E-04	1.4033E-04
4	2.380	1.6363E-06	1.8536E-06	-2.0165E-07	-2.8335E-06	1.9242E-06	1.5898E-04	3.7154E-04	4.2621E-04	4.4714E-04
5	2.330	2.9311E-05	3.6175E-05	-1.2873E-06	-5.8320E-05	2.2453E-05	1.1522E-02	3.5372E-02	4.3103E-02	4.7488E-02
6	2.010	1.8296E-05	2.1897E-05	-1.8640E-06	-3.4586E-05	2.5173E-05	1.4074E-03	2.9133E-03	3.2183E-03	3.2371E-03
7	1.900	7.4064E-06	8.5760E-06	-1.1224E-06	-1.3321E-05	1.3506E-05	1.1136E-03	3.2377E-03	3.9104E-03	4.2582E-03
8	1.850	6.2573E-05	8.2894E-05	-1.8135E-06	-1.3775E-04	7.8988E-05	2.6658E-02	9.2414E-02	0.1153	0.1286
9	1.670	4.4284E-06	5.9855E-06	-2.5941E-08	-1.0105E-05	5.6813E-06	1.4346E-03	4.9405E-03	6.1603E-03	6.8537E-03
10	1.661	5.9725E-05	7.6650E-05	-5.0177E-06	-1.2591E-04	1.1340E-04	6.4400E-03	1.5689E-02	1.8485E-02	1.9368E-02
11	1.556	3.0981E-05	3.6668E-05	-5.3203E-06	-5.8300E-05	8.0945E-05	3.0286E-03	7.6542E-03	8.9950E-03	9.5088E-03
12	1.510	2.1298E-05	2.5265E-05	-4.3636E-06	-3.9629E-05	6.3623E-05	3.2971E-03	1.0546E-02	1.3055E-02	1.4402E-02
13	1.480	9.8767E-05	1.1522E-04	-2.3813E-05	-1.7822E-04	3.5677E-04	1.3647E-02	4.2734E-02	5.2800E-02	5.8066E-02
14	1.360	2.7343E-05	3.1448E-06	-7.4510E-07	-4.7819E-06	1.1452E-05	2.2211E-04	4.7212E-04	5.3428E-04	5.4489E-04
15	1.357	5.4430E-05	7.1352E-05	-2.0416E-05	-1.0516E-04	3.0333E-04	5.1852E-03	1.1357E-02	1.3024E-02	1.3450E-02
16	1.290	2.5304E-05	9.1744E-05	-3.2109E-05	-1.2820E-04	5.0122E-04	1.0842E-02	3.4450E-02	4.3111E-02	4.7779E-02
17	1.208	4.1668E-05	4.3976E-05	-1.7495E-05	-5.7802E-05	2.9201E-04	3.8509E-03	9.0521E-03	1.0706E-02	1.1350E-02
18	1.170	7.7693E-05	8.4595E-05	-3.3027E-05	-1.0846E-04	6.4968E-04	1.5402E-02	5.0412E-02	7.5558E-02	8.5626E-02
19	1.100	6.1775E-05	8.7903E-05	-3.8849E-05	-9.8415E-05	8.6754E-04	9.5101E-03	2.1862E-02	2.5853E-02	2.7361E-02
20	1.030	3.8949E-05	3.3638E-05	-2.1796E-05	-3.2074E-05	4.9733E-04	4.5478E-03	1.0959E-02	1.3163E-02	1.4132E-02
21	0.9590	3.5257E-05	3.3142E-05	-2.1536E-05	-1.0803E-05	5.1446E-04	4.1050E-03	6.7714E-03	1.0351E-02	1.0980E-02
22	0.9690	1.0839E-05	9.7887E-06	-6.9712E-06	-3.4640E-06	1.7295E-04	1.4182E-03	3.5186E-03	4.3161E-03	4.7167E-03
23	0.9600	5.4381E-05	4.7178E-05	-3.7555E-05	3.8064E-06	1.0378E-03	8.2493E-03	2.1820E-02	2.7228E-02	3.0135E-02
24	0.9120	2.1218E-06	1.7575E-06	-1.5552E-06	1.1267E-06	4.7724E-05	3.1295E-04	6.5430E-04	7.7815E-04	8.3321E-04
25	0.9100	9.2913E-05	5.6999E-05	-7.9806E-05	2.5845E-04	3.7568E-03	2.1029E-02	4.6326E-02	5.6621E-02	6.2093E-02
26	0.7900	5.7266E-06	-1.9170E-06	-6.0678E-06	1.0727E-04	8.2053E-04	4.0577E-03	9.9175E-03	1.2568E-02	1.4162E-02
27	0.7700	6.0354E-07	-4.3669E-06	-1.1180E-06	9.4829E-05	6.5841E-04	4.0600E-03	1.4580E-02	1.9831E-02	2.2875E-02
28	0.7550	-4.8702E-06	-1.2553E-05	5.6242E-06	1.8968E-04	1.1928E-03	5.2586E-03	1.0968E-02	1.3406E-02	1.4931E-02
29	0.7300	-3.5736E-06	-6.7780E-06	4.8446E-06	8.8564E-05	5.1495E-04	2.1457E-03	4.3439E-03	5.3307E-03	5.9084E-03
30	0.7200	-2.5812E-05	-3.8253E-05	4.0673E-05	4.4226E-04	2.3054E-03	9.1545E-03	1.9457E-02	2.4312E-02	2.7311E-02
31	0.6800	-9.4981E-06	-1.2346E-05	1.6712E-05	1.3542E-04	6.4258E-04	2.3332E-03	4.5087E-03	5.5478E-03	6.1979E-03
32	0.6700	-1.4277E-04	-1.2289E-04	2.6573E-04	1.2950E-03	5.3647E-03	2.8051E-02	0.1094	0.1514	0.1790
33	0.6000	-5.2420E-05	-3.6859E-05	1.3110E-04	5.0566E-04	1.9036E-03	7.6386E-03	1.7368E-02	2.1904E-02	2.4556E-02
34	0.5800	-1.1630E-04	-5.5038E-05	6.1076E-04	2.1167E-03	7.3415E-03	2.5294E-02	5.2740E-02	6.6312E-02	7.4836E-02
35	0.5200	1.8292E-04	2.2411E-04	4.1257E-04	8.0461E-04	2.0304E-03	5.7222E-03	1.1384E-02	1.4405E-02	1.6451E-02
36	0.5090	3.0123E-05	1.4216E-04	1.0931E-03	3.0610E-03	8.9847E-03	2.5128E-02	4.8523E-02	6.1495E-02	7.0496E-02
37	0.4600	3.4490E-04	6.0369E-04	2.2992E-03	5.4403E-03	1.3777E-02	3.2806E-02	5.7751E-02	7.2495E-02	8.3554E-02
38	0.4060	1.9784E-03	2.7844E-03	6.4177E-03	1.2187E-02	2.5602E-02	5.6635E-02	0.1261	0.1692	0.2009
39	0.3400	1.7793E-04	2.3425E-04	4.4642E-04	7.6502E-04	1.4721E-03	3.0200E-03	5.3883E-03	6.7784E-03	7.7708E-03
40	0.3370	3.6288E-03	4.5514E-03	7.5758E-03	1.2649E-02	4.1962E-02	7.0567E-02	0.1000	0.1514	0.1759
41	0.3000	1.1053E-02	1.3021E-02	1.7647E-02	2.4190E-02	3.7838E-02	6.6234E-02	0.1182	0.1514	0.1759
42	0.2560	4.3174E-02	4.8311E-02	5.4458E-02	6.3398E-02	8.2446E-02	0.1228	0.1829	0.2219	0.2516
43	0.2000	0.3190	0.3559	0.3924	0.4418	0.5331	0.6845	0.8505	0.9597	1.047
44	0.1000	0.5231	0.5679	0.6098	0.6591	0.7373	0.8292	0.8681	0.8762	0.8785
45	5.0000E-02	2.0511E-02	3.0358E-02	3.1237E-02	3.2136E-02	3.3090E-02	3.4055E-02	3.4941E-02	3.5635E-02	3.6018E-02

TABLE LXII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2110400

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	1.1454E-08	1.6521E-08	3.5721E-09	-2.8319E-08	-1.7318E-09	4.3029E-05	1.5608E-04	1.9528E-04	2.1862E-04
2	2.996	5.0138E-06	6.7993E-06	7.9243E-07	-1.1551E-05	-2.5483E-06	2.1717E-03	7.8199E-03	9.7804E-03	1.0902E-02
3	2.410	5.5897E-07	7.2215E-07	3.9888E-08	-1.1954E-06	7.8765E-08	4.9489E-05	1.1620E-04	1.3223E-04	1.3529E-04
4	2.360	9.9148E-07	1.2545E-06	3.3125E-08	-2.0603E-06	3.7012E-07	1.1198E-04	3.2176E-04	3.8614E-04	4.1423E-04
5	2.330	1.4604E-05	2.2338E-05	3.6575E-06	-3.9332E-05	-6.9929E-06	6.3706E-03	2.9013E-02	3.7317E-02	4.2189E-02
6	2.010	9.8132E-06	1.3855E-05	1.1099E-06	-2.4253E-05	4.6211E-06	1.0407E-03	2.5944E-03	3.0108E-03	3.1124E-03
7	1.900	4.2384E-06	5.6029E-06	3.1833E-08	-9.5460E-06	4.8531E-06	7.1174E-04	2.6785E-03	3.4140E-03	3.8163E-03
8	1.660	2.6378E-05	4.7170E-05	4.0404E-05	-9.1144E-05	-2.9882E-06	1.5335E-02	7.4068E-02	9.8139E-02	0.1126
9	1.670	1.6852E-06	3.3041E-06	8.7774E-07	-6.5944E-06	-4.5373E-07	8.3593E-04	3.9603E-03	5.2484E-03	6.0134E-03
10	1.661	2.6428E-05	4.4400E-05	6.3418E-06	-8.4745E-05	2.7486E-05	4.4487E-03	1.3576E-02	1.6577E-02	1.7988E-02
11	1.556	1.5691E-05	2.2627E-05	9.8316E-08	-4.0833E-05	3.5401E-05	2.0905E-03	6.4964E-03	8.0541E-03	8.7733E-03
12	1.510	1.1332E-05	1.5788E-05	-5.8249E-07	-2.8094E-05	3.0541E-05	2.0431E-03	8.5354E-03	1.1217E-02	1.2745E-02
13	1.460	5.3008E-05	7.2342E-05	-5.7839E-06	-1.2751E-04	1.8956E-04	8.6537E-03	3.4693E-02	4.5508E-02	5.1579E-02
14	1.360	1.4958E-06	1.9912E-06	-2.5077E-07	-3.4550E-06	6.4628E-06	1.6367E-04	4.1615E-04	4.9777E-04	5.2458E-04
15	1.357	3.7486E-05	4.6773E-05	-9.0259E-06	-7.8068E-05	1.8065E-04	3.3068E-03	9.9274E-03	1.2022E-02	1.2813E-02
16	1.290	5.1522E-05	6.1287E-05	-1.6999E-05	-9.7797E-05	3.1657E-04	6.9860E-03	2.7784E-02	3.6947E-02	4.2232E-02
17	1.208	2.5825E-05	2.9653E-05	-1.0077E-05	-4.5067E-05	1.9069E-04	2.7746E-03	7.7469E-03	9.6813E-03	1.0586E-02
18	1.170	4.4363E-05	5.4185E-05	-1.8246E-05	-8.2445E-05	4.2904E-04	9.1975E-03	4.5531E-02	6.3033E-02	7.3888E-02
19	1.100	4.6665E-05	5.6010E-05	-2.2906E-05	-7.6462E-05	5.8841E-04	6.9410E-03	1.6778E-02	2.3512E-02	2.5730E-02
20	1.030	2.4804E-05	2.8461E-05	-1.4666E-05	-2.8254E-05	3.4711E-04	3.4017E-03	9.3296E-03	1.1850E-02	1.3138E-02
21	0.9900	2.3891E-05	2.3730E-05	-1.5386E-05	-1.9623E-05	3.6460E-04	3.0964E-03	7.6367E-03	9.5106E-03	1.0421E-02
22	0.9690	7.5831E-06	7.2157E-06	-5.1524E-06	-4.6425E-06	1.2364E-04	1.0342E-03	2.9513E-03	3.8262E-03	4.3139E-03
23	0.9600	3.9239E-05	3.5612E-05	-2.8831E-05	-9.8321E-06	7.5031E-04	5.9324E-03	1.8014E-02	2.3789E-02	2.7170E-02
24	0.9120	1.5726E-06	1.3608E-06	-1.2353E-06	2.2679E-07	3.4802E-05	2.3942E-04	5.7049E-04	7.1470E-04	7.8986E-04
25	0.9100	8.0741E-05	5.4195E-05	-7.3118E-05	1.7508E-04	2.8037E-03	1.6094E-02	3.9657E-02	5.0967E-02	5.7591E-02
26	0.7900	8.0269E-06	1.5756E-06	-8.5638E-06	7.0942E-05	6.2623E-04	3.0717E-03	8.2288E-03	1.0976E-02	1.2744E-02
27	0.7700	2.8986E-06	-1.4613E-06	-3.9958E-06	6.4695E-06	5.0472E-04	2.7468E-03	1.1185E-02	1.6102E-02	1.9448E-02
28	0.7550	1.2155E-07	-6.7853E-06	-1.7300E-06	1.3248E-04	9.1908E-04	4.1106E-03	9.4422E-03	1.2178E-02	1.3891E-02
29	0.7300	-9.5068E-07	-3.8838E-06	1.0036E-06	6.2493E-05	3.9872E-04	1.6924E-03	3.7611E-03	4.8336E-03	5.5150E-03
30	0.7200	-1.1342E-05	-2.3393E-05	1.8564E-05	3.1719E-04	1.7990E-03	7.1946E-03	1.6577E-02	2.1689E-02	2.5070E-02
31	0.6800	-4.8998E-06	-7.0835E-06	9.2788E-06	9.0459E-05	5.0448E-04	1.8715E-03	3.9275E-03	5.0420E-03	5.7878E-03
32	0.6700	-1.1568E-04	-1.0730E-04	1.8431E-04	9.9380E-04	4.2306E-03	1.8781E-02	8.1717E-02	0.1216	0.1496
33	0.6000	-4.6919E-05	-3.6458E-05	9.6624E-05	3.9780E-04	1.5097E-03	5.7860E-03	1.4460E-02	1.9306E-02	2.2451E-02
34	0.5800	-1.0127E-04	-6.0215E-05	4.5807E-04	1.6606E-03	5.8558E-03	1.9704E-02	4.4469E-02	5.8780E-02	6.8538E-02
35	0.5200	1.5356E-04	1.8502E-04	3.3201E-04	6.4512E-04	1.6353E-03	4.5200E-03	9.5363E-03	1.2610E-02	1.4826E-02
36	0.5090	2.2169E-05	1.0394E-04	8.4492E-04	2.4239E-03	7.2593E-03	2.0163E-02	4.1030E-02	5.4067E-02	6.3735E-02
37	0.4600	2.6778E-04	4.6505E-04	1.8149E-03	4.3704E-03	1.1275E-02	2.6923E-02	4.9301E-02	6.3869E-02	7.5268E-02
38	0.4060	1.5372E-03	2.1715E-03	5.2009E-03	1.0029E-02	2.1248E-02	4.5274E-02	9.9042E-02	0.1386	0.1695
39	0.3400	1.4029E-04	1.8521E-04	3.6562E-04	6.3542E-04	1.2268E-03	2.4493E-03	4.4515E-03	5.8011E-03	6.8292E-03
40	0.3370	2.9149E-03	3.6591E-03	6.2507E-03	1.0048E-02	1.8178E-02	3.4270E-02	5.8616E-02	7.5006E-02	8.7644E-02
41	0.3000	9.1376E-03	1.0745E-02	1.4737E-02	2.0293E-02	3.1610E-02	5.3691E-02	9.4288E-02	0.1244	0.1480
42	0.2560	3.6669E-02	4.0911E-02	4.5926E-02	5.3160E-02	6.9412E-02	0.1496	0.1496	0.1859	0.2152
43	0.2000	0.2700	0.3011	0.3319	0.3736	0.4511	0.5805	0.7305	0.8361	0.9236
44	0.1000	0.4591	0.5001	0.5375	0.5841	0.6581	0.7506	0.8113	0.8354	0.8491
45	5.0000E-02	2.5515E-02	2.7324E-02	2.8175E-02	2.9051E-02	2.9978E-02	3.0938E-02	3.1881E-02	3.2755E-02	3.3634E-02

TABLE LXIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2110500

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3 080	1.6723E-10	5.3660E-09	6.3732E-09	-1.3517E-08	-2.7042E-08	1.9803E-05	1.1631E-04	1.5743E-04	1.8298E-04
2	2 996	5.2005E-07	2.4472E-06	2.0105E-06	-5.8094E-06	-7.5990E-06	1.0352E-03	5.8207E-03	7.8921E-03	9.1465E-03
3	2 410	1.0408E-07	2.8575E-07	1.7021E-07	-6.3032E-07	-5.5487E-07	3.0776E-05	9.5911E-05	1.1786E-04	1.2603E-04
4	2 360	2.2328E-07	5.1618E-07	2.6294E-07	-1.1062E-06	-7.9547E-07	6.3668E-05	2.5129E-04	3.2591E-04	3.6396E-04
5	2 330	-1.7925E-06	5.9475E-06	7.9822E-06	-1.8456E-05	-2.5718E-05	3.0863E-03	2.0023E-02	2.9320E-02	3.4633E-02
6	2 010	1.0159E-07	4.2792E-06	3.8902E-06	-1.1856E-05	-9.8345E-06	6.2623E-04	2.0962E-03	2.6481E-03	2.8772E-03
7	1 900	4.9912E-07	1.9568E-06	1.1779E-06	-4.5242E-06	-1.9180E-06	3.5442E-04	1.9436E-03	2.7180E-03	3.1788E-03
8	1 860	-1.3416E-05	6.4931E-06	2.0632E-05	-3.7716E-05	-5.1713E-05	6.3313E-03	5.1157E-02	7.4972E-02	9.0369E-02
9	1 670	-1.2550E-06	2.6913E-07	1.6142E-06	-2.5749E-06	-3.9814E-06	3.5651E-04	2.7356E-03	4.0138E-03	4.8346E-03
10	1 661	-9.9258E-06	7.4915E-06	1.6474E-05	-3.6692E-05	-2.9521E-05	2.4611E-03	1.0313E-02	1.3896E-02	1.5779E-02
11	1 556	-1.1913E-06	6.0805E-06	5.3960E-06	-1.9648E-05	-3.5797E-07	1.1671E-03	4.8939E-03	6.6603E-03	7.6225E-03
12	1 510	-1.5624E-07	4.6047E-06	3.1549E-06	-1.3860E-05	4.0525E-06	9.9621E-04	5.9933E-03	8.6973E-03	1.0392E-02
13	1 480	1.3454E-06	2.1711E-05	1.1680E-05	-6.4054E-05	5.2571E-05	4.3783E-03	2.4481E-02	3.5445E-02	4.2276E-02
14	1 360	9.3818E-08	6.2473E-07	2.4481E-07	-1.7761E-06	2.2755E-06	9.9235E-05	3.2929E-04	4.3208E-04	4.8190E-04
15	1 357	6.1270E-06	1.7011E-05	2.5926E-06	-4.2291E-05	7.4221E-05	2.3136E-03	7.7765E-03	1.0314E-02	1.1609E-02
16	1 250	1.2162E-05	2.4164E-05	-1.1503E-06	-5.5568E-05	1.5045E-04	3.7030E-03	1.9422E-02	2.8525E-02	3.4355E-02
17	1 208	7.0166E-06	1.2307E-05	-2.0802E-06	-2.6403E-05	9.7438E-05	1.6858E-03	5.9008E-03	8.0706E-03	9.2047E-03
18	1 170	6.4915E-06	1.0546E-05	-2.4705E-06	-4.5229E-05	2.2629E-04	4.4608E-03	3.0166E-02	4.6613E-02	5.7808E-02
19	1 100	6.9068E-06	1.0843E-05	-5.6640E-06	-4.2292E-05	3.2684E-04	4.2631E-03	1.4334E-02	1.9686E-02	2.2787E-02
20	1 030	8.2324E-06	1.1474E-05	-6.2682E-06	-1.8171E-05	2.0154E-04	2.1183E-03	7.0490E-03	9.7925E-03	1.1457E-02
21	0 9980	1.0002E-05	1.1680E-05	-7.7676E-06	-1.4507E-05	2.1663E-04	1.9919E-03	5.9425E-03	8.0701E-03	9.3318E-03
22	0 9690	3.5536E-06	3.8175E-06	-2.8024E-06	-3.9452E-06	7.4424E-05	6.4941E-04	2.1896E-03	3.0980E-03	3.6787E-03
23	0 9600	1.9982E-05	1.9910E-05	-1.6909E-05	-1.3400E-05	4.5962E-04	3.6892E-03	1.3081E-02	1.8874E-02	2.2702E-02
24	0 9120	8.6046E-07	8.0295E-07	-7.6819E-07	-2.2678E-07	2.1603E-05	1.5771E-04	4.4516E-04	6.0574E-04	7.0517E-04
25	0 9100	5.9790E-05	4.3773E-05	-5.5068E-05	7.3397E-05	1.8075E-03	1.0762E-02	3.0305E-02	4.2106E-02	4.9946E-02
26	0 7900	9.3482E-06	4.6214E-06	-8.7592E-06	3.6877E-05	4.1501E-04	2.0675E-03	6.0458E-03	8.7070E-03	1.0598E-02
27	0 7700	4.8759E-06	1.4030E-06	-5.2350E-06	3.5563E-05	3.3696E-04	1.6912E-03	7.3161E-03	1.1630E-02	1.4861E-02
28	0 7550	5.2457E-06	-5.6003E-07	-6.0800E-06	7.5729E-05	6.1850E-04	2.9366E-03	7.2710E-03	1.0080E-02	1.2048E-02
29	0 7300	1.8648E-06	-6.9610E-07	-1.6909E-06	3.6262E-05	2.7010E-04	1.1795E-03	2.9189E-03	4.0218E-03	4.6021E-03
30	0 7200	4.3683E-06	-6.5295E-06	6.9611E-07	1.8871E-04	1.2302E-03	5.0335E-03	1.2636E-02	1.7677E-02	2.1358E-02
31	0 6800	1.2195E-07	-2.6549E-06	2.6384E-06	5.9629E-05	3.4833E-04	1.3337E-03	3.0762E-03	4.2066E-03	5.0357E-03
32	0 6700	-7.2950E-05	-7.4783E-05	1.0231E-04	6.5713E-04	2.9699E-03	1.1644E-02	5.1361E-02	8.4857E-02	0.1111
33	0 6000	-3.4300E-05	-2.9953E-05	5.9667E-05	2.7335E-04	1.0665E-03	3.8954E-03	1.0567E-02	1.5310E-02	1.8816E-02
34	0 5800	-7.0407E-05	-5.0377E-05	2.9329E-04	1.1421E-03	4.1612E-03	1.3665E-02	3.3120E-02	4.6995E-02	5.7554E-02
35	0 5200	1.1767E-04	1.3842E-04	2.3757E-04	4.5922E-04	1.1758E-03	3.1889E-03	7.0635E-03	9.2995E-03	1.2193E-02
36	0 5090	1.8840E-05	6.8798E-05	5.6932E-04	1.6938E-03	5.2343E-03	1.4480E-02	3.0822E-02	4.2901E-02	5.2617E-02
37	0 4600	1.8300E-04	3.1414E-04	1.2617E-03	3.1166E-03	8.2541E-03	1.9815E-02	3.7575E-02	5.0776E-02	6.1778E-02
38	0 4060	1.0372E-03	1.4803E-03	3.7476E-03	7.3833E-03	1.5837E-02	3.2961E-02	6.6189E-02	9.9761E-02	0.1270
39	0 3400	9.6533E-05	1.2948E-04	2.6724E-04	4.7368E-04	9.1938E-04	1.7872E-03	3.2353E-03	4.4034E-03	5.3779E-03
40	0 3370	2.8565E-03	2.5950E-03	4.6159E-03	7.5358E-03	1.3642E-02	2.5100E-02	4.2948E-02	5.7009E-02	6.8799E-02
41	0 3000	6.7400E-03	7.9178E-03	1.1057E-02	1.5335E-02	2.3718E-02	3.9047E-02	6.5666E-02	8.9636E-02	0.1102
42	0 2560	2.8110E-02	3.1245E-02	3.4858E-02	4.0012E-02	5.0715E-02	7.2361E-02	0.1075	0.1372	0.1634
43	0 2000	0.2046	0.2281	0.2512	0.2827	0.3415	0.4408	0.5629	0.6553	0.7369
44	0 1000	0.3655	0.3999	0.4313	0.4708	0.5353	0.6217	0.6954	0.7363	0.7651
45	5.0000E-02	2.0842E-02	2.2477E-02	2.3236E-02	2.4020E-02	2.4845E-02	2.5717E-02	2.6611E-02	2.7490E-02	2.8356E-02

TABLE LXIV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY
AT 400 FT HEIGHT: PROBLEM NO. 2160100

(4π photons/cm² sec ster)

	I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	1.0228E-05	2.0816E-05	-1.7203E-07	-3.2053E-05	1.0335E-05	5.5322E-03	1.3076E-02	1.5128E-02	1.6317E-02	
2	2.956	7.4434E-04	8.2304E-04	-1.0966E-04	-1.2627E-03	8.2632E-04	0.2695	0.6554	0.7557	0.8121	
3	2.410	7.8209E-05	8.5275E-05	-1.4169E-05	-1.2713E-04	1.1805E-04	4.8981E-03	8.5315E-03	9.0916E-03	8.9652E-03	
4	2.380	1.3501E-04	1.4580E-04	-2.6166E-05	-2.1503E-04	2.2159E-04	1.2606E-02	2.5508E-02	2.8406E-02	2.9400E-02	
5	2.330	2.5892E-03	2.9754E-03	-3.7007E-04	-4.5931E-03	3.4979E-03	1.012	2.522	2.965	3.212	
6	2.010	1.5830E-03	1.7779E-03	-2.9665E-04	-2.6693E-03	2.9636E-03	0.1070	0.1953	0.2091	0.2070	
7	1.900	6.2665E-04	6.8659E-04	-1.3997E-04	-1.0209E-03	1.4174E-03	9.4872E-02	0.2294	0.2674	0.2853	
8	1.860	5.8838E-03	7.0462E-03	-8.6178E-04	-1.1042E-02	1.0662E-02	2.428	6.693	8.021	8.776	
9	1.670	4.2403E-04	5.1611E-04	-5.7680E-05	-8.1676E-04	7.6997E-04	0.1299	0.3577	0.4283	0.4674	
10	1.661	5.4985E-03	6.4656E-03	-1.0191E-03	-9.9961E-03	1.2969E-02	0.5172	1.099	1.233	1.269	
11	1.556	2.6889E-03	3.0131E-03	-6.6425E-04	-4.5174E-03	8.1121E-03	0.2442	0.5317	0.6029	0.6262	
12	1.510	1.8666E-03	2.0606E-03	-5.0053E-04	-3.0468E-03	6.1698E-03	0.2871	0.7585	0.9023	0.9766	
13	1.480	8.5486E-03	9.3769E-03	-2.5274E-03	-1.3610E-02	3.3273E-02	1.178	3.067	3.641	3.930	
14	1.360	2.3503E-04	2.5490E-04	-7.5557E-05	-3.6211E-04	1.0401E-03	1.6962E-02	3.1803E-02	3.4722E-02	3.4710E-02	
15	1.357	5.4074E-03	5.6920E-03	-1.9298E-03	-7.8229E-03	2.6797E-02	0.3984	0.7704	0.8527	0.8639	
16	1.290	7.0483E-03	7.2396E-03	-2.8529E-03	-9.3317E-03	4.2920E-02	0.5321	2.486	2.985	3.242	
17	1.208	3.4168E-03	3.4409E-03	-1.5013E-03	-4.1242E-03	2.4542E-02	0.2994	0.6244	0.7121	0.7405	
18	1.170	6.5766E-03	6.8213E-03	-2.8899E-03	-7.6550E-03	5.4386E-02	1.403	4.313	5.325	5.986	
19	1.100	6.9349E-03	7.1037E-03	-3.3023E-03	-6.9285E-03	7.1506E-02	0.7383	1.502	1.710	1.771	
20	1.030	3.1462E-03	3.0052E-03	-1.7231E-03	-1.9704E-03	4.0190E-02	0.3617	0.7596	0.8777	0.9230	
21	0.9580	2.7646E-03	2.5111E-03	-1.6464E-03	-8.8456E-04	4.1129E-02	0.3109	0.5964	0.6789	0.7053	
22	0.9690	8.3126E-04	7.2830E-04	-5.2111E-04	-7.1194E-05	1.3741E-02	0.1114	0.2466	0.2913	0.3119	
23	0.9600	4.1160E-03	3.4552E-03	-2.7320E-03	1.5064E-03	8.1831E-02	0.6581	1.548	1.858	2.014	
24	0.9120	1.5801E-04	1.2649E-04	-1.1017E-04	1.4000E-04	3.7407E-03	2.3494E-02	4.4446E-02	5.1039E-02	5.3534E-02	
25	0.9100	6.1846E-03	3.4334E-03	-4.9125E-03	2.6792E-02	0.2892	1.590	3.197	3.775	4.058	
26	0.7900	1.9073E-04	-3.4018E-04	-1.4532E-04	8.9388E-03	6.2210E-02	0.3129	0.7020	0.8578	0.9470	
27	0.7700	-9.9168E-05	-4.4267E-04	1.7719E-04	7.7500E-03	4.9785E-02	0.3492	1.032	1.402	1.594	
28	0.7550	-5.9029E-04	-1.1014E-03	8.8952E-04	1.5264E-02	8.9881E-02	0.3915	0.7535	0.8959	0.9720	
29	0.7300	-3.7396E-04	-5.8177E-04	5.7230E-04	7.0749E-03	3.8657E-02	0.1585	0.2971	0.3529	0.3835	
30	0.7200	-2.4188E-03	-3.1812E-03	4.0032E-03	3.4928E-02	0.1721	0.6817	1.349	1.631	1.796	
31	0.6800	-8.4398E-04	-1.0040E-03	1.5210E-03	1.0592E-02	4.7733E-02	0.1701	0.3070	0.3666	0.4019	
32	0.6700	-9.9531E-03	-8.0248E-03	2.1388E-02	9.7617E-02	0.3978	2.456	8.350	10.96	12.61	
33	0.6000	-3.3676E-03	-2.0101E-03	1.0144E-02	3.7478E-02	0.1410	0.5864	1.220	1.477	1.614	
34	0.5800	-7.6327E-03	-2.6532E-03	4.6819E-02	0.1574	0.5408	1.896	3.671	4.452	4.910	
35	0.5200	1.2958E-02	1.6073E-02	3.0101E-02	5.8887E-02	0.1483	0.4247	0.7978	0.9773	1.093	
36	0.5090	2.5399E-03	1.1281E-02	8.2141E-02	0.2261	0.6543	1.841	3.378	4.151	4.671	
37	0.4600	2.5927E-02	4.5643E-02	0.1701	0.3973	0.9923	2.357	3.993	4.894	5.548	
38	0.4050	0.1478	0.2077	0.4652	0.8733	1.824	4.234	9.322	12.09	14.02	
39	0.3400	1.3136E-02	1.7283E-02	3.2098E-02	5.4428E-02	0.1045	0.2201	0.3814	0.4655	0.5244	
40	0.3370	0.2641	0.3314	0.5417	0.8547	1.545	3.032	4.975	6.028	6.767	
41	0.3000	0.7878	0.9299	1.250	1.707	2.679	4.838	8.627	10.77	12.28	
42	0.2560	3.015	3.362	3.824	4.471	5.859	8.868	13.04	15.51	17.32	
43	0.2000	22.22	24.80	27.34	30.77	37.10	47.49	58.17	64.82	70.03	
44	0.1000	35.33	38.23	40.89	44.12	49.04	54.28	55.25	54.93	54.55	
45	5.0000E-02	1.093	2.005	2.059	2.114	2.172	2.228	2.273	2.290	2.265	

TABLE LXV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY
AT 400 FT HEIGHT: PROBLEM NO. 2160200

(4π photons/cm² sec ster)

190

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	1.5600E-06	1.8352E-06	-7.0423E-08	-2.8655E-06	3.9454E-07	4.9946E-03	1.2330E-02	1.4491E-02	1.5747E-02
2	2.996	6.4354E-04	7.3555E-04	-6.8786E-05	-1.1355E-03	5.5175E-04	0.2485	0.6181	0.7250	0.7840
3	2.410	6.0018E-05	7.5951E-05	-9.7654E-06	-1.1497E-04	8.7014E-05	4.4783E-03	3.3214E-03	8.9361E-03	8.8679E-03
4	2.390	1.1009E-04	1.3021E-04	-1.0890E-05	-1.9578E-04	1.6730E-04	1.1186E-02	2.4345E-02	2.7509E-02	2.8660E-02
5	2.330	2.1898E-03	2.6056E-03	-2.1320E-04	-4.0569E-03	2.3787E-03	0.8532	2.361	2.826	3.087
6	2.010	1.3515E-03	1.5638E-03	-1.9810E-04	-2.4158E-03	2.2124E-03	9.7084E-02	0.1887	0.2052	0.2047
7	1.900	5.4216E-04	6.0089E-04	-1.0321E-04	-9.2336E-04	1.1066E-03	8.1163E-02	0.2155	0.2556	0.2760
8	1.860	4.8504E-03	6.0645E-03	-4.4546E-04	-9.7655E-03	7.4406E-03	2.010	6.217	7.602	8.396
9	1.670	3.4577E-04	4.4230E-04	-2.6399E-05	-7.1947E-04	5.4481E-04	0.1078	0.3323	0.4061	0.4474
10	1.661	4.5813E-03	5.5846E-03	-6.4663E-04	-8.8912E-03	9.6985E-03	0.4561	1.045	1.194	1.240
11	1.556	2.2787E-03	2.6402E-03	-4.8907E-04	-4.0663E-03	6.4350E-03	0.2148	0.5045	0.5823	0.6100
12	1.510	1.5847E-03	1.8068E-03	-3.7662E-04	-2.7533E-03	4.9710E-03	0.2424	0.7071	0.8580	0.9374
13	1.480	7.3180E-03	8.2355E-03	-1.9696E-03	-1.2335E-02	2.7278E-02	1.000	2.862	3.466	3.777
14	1.360	2.0183E-04	2.2441E-04	-6.0319E-05	-3.2567E-04	8.6314E-04	1.5353E-02	3.0663E-02	3.4077E-02	3.4399E-02
15	1.357	4.6831E-03	5.0576E-03	-1.5853E-03	-7.1061E-03	2.2533E-02	0.3593	0.7401	0.8337	0.8525
16	1.290	6.1620E-03	6.4578E-03	-2.4081E-03	-8.6734E-03	3.6632E-02	0.7926	2.314	2.636	3.111
17	1.208	2.9954E-03	3.0820E-03	-1.2874E-03	-3.6732E-03	2.1136E-02	0.2675	0.5947	0.6906	0.7249
18	1.170	5.6705E-03	6.0294E-03	-2.4495E-03	-7.3240E-03	4.6913E-02	1.159	3.968	5.016	5.621
19	1.100	5.9763E-03	6.2727E-03	-2.8434E-03	-6.5658E-03	6.2145E-02	0.6620	1.433	1.663	1.741
20	1.030	2.7791E-03	2.7807E-03	-1.5374E-03	-2.0146E-03	3.5277E-02	0.3238	0.7212	0.8501	0.9032
21	0.990	2.4771E-03	2.2964E-03	-1.4920E-03	-1.0648E-03	3.6298E-02	0.2823	0.5723	0.6633	0.6962
22	0.969	7.5167E-04	6.6925E-04	-4.7744E-04	-1.5674E-04	1.2165E-02	9.9162E-02	0.2329	0.2804	0.3033
23	0.960	3.7508E-03	3.2009E-03	-2.5388E-03	7.6700E-04	7.2723E-02	0.5809	1.453	1.778	1.948
24	0.9120	1.4510E-04	1.1027E-04	-1.0379E-04	1.0119E-04	3.3342E-03	2.1431E-02	4.2668E-02	4.9863E-02	5.2837E-02
25	0.9100	6.0165E-03	3.5320E-03	-4.5897E-03	2.2340E-02	0.2601	1.444	3.044	3.657	3.970
26	0.7900	2.8336E-04	-2.1734E-04	-2.7925E-04	7.7309E-03	5.6396E-02	0.2809	0.6596	0.8209	0.9157
27	0.7700	-2.1926E-05	-3.5044E-04	3.4294E-05	6.7672E-03	4.5191E-02	0.2957	0.9969	1.311	1.509
28	0.7550	-4.3455E-04	-9.3223E-04	5.9634E-04	1.3431E-02	8.1727E-02	0.3583	0.7190	0.8695	0.9530
29	0.7300	-2.9536E-04	-4.9890E-04	4.2530E-04	6.2485E-03	3.5218E-02	0.1456	0.2842	0.3431	0.3766
30	0.7200	-1.9880E-03	-2.7590E-03	3.2012E-03	3.1026E-02	0.1573	0.6234	1.281	1.575	1.752
31	0.6800	-7.1351E-04	-8.8195E-04	1.2620E-03	9.4548E-03	4.3722E-02	0.1574	0.2943	0.3568	0.3949
32	0.6700	-9.4517E-03	-7.8525E-03	1.0827E-02	8.9765E-02	0.3646	2.059	7.553	10.18	11.87
33	0.6000	-3.3397E-03	-2.1607E-03	9.1060E-03	3.4369E-02	0.1293	0.5279	1.151	1.423	1.575
34	0.5900	-7.4840E-03	-3.1176E-03	4.2213E-02	0.1441	0.4973	1.728	3.481	4.299	4.796
35	0.5200	1.2159E-02	1.4987E-02	2.7825E-02	5.4344E-02	0.1370	0.3890	0.7537	0.9386	1.061
36	0.5090	2.1653E-03	9.9821E-03	7.4797E-02	0.2077	0.6053	1.698	3.201	3.994	4.540
37	0.4600	2.3597E-02	4.1428E-02	0.1561	0.3671	0.9233	2.196	3.797	4.711	5.386
38	0.4060	0.1350	0.1899	0.4315	0.8148	1.707	3.855	8.562	11.30	13.27
39	0.3400	1.2074E-02	1.5898E-02	2.9898E-02	5.0971E-02	9.7993E-02	0.2034	0.3584	0.4447	0.5049
40	0.3370	0.2445	0.3069	0.5060	0.9016	1.449	2.816	4.684	5.746	6.507
41	0.3000	0.7372	0.8693	1.173	1.605	2.515	4.464	7.976	10.09	11.61
42	0.2760	0.851	3.194	3.606	4.206	5.490	8.238	12.20	14.66	16.49
43	0.2000	21.02	23.45	25.65	29.10	35.08	44.95	55.42	62.11	67.40
44	0.1600	33.69	36.73	39.32	42.50	47.38	52.83	54.57	54.63	54.47
45	5.0700E-02	1.831	1.944	1.998	2.054	2.112	2.170	2.221	2.254	2.258

TABLE LXVI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2160300

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	1.3224E-06	1.6107E-06	2.0410E-08	-2.5553E-06	-1.1640E-07	4.2775E-03	1.1628E-02	1.3881E-02	1.5196E-02
2	2.936	5.4932E-04	6.4766E-04	-3.1789E-05	-1.0189E-03	3.0911E-04	0.2134	0.5329	0.6947	0.7569
3	2.410	5.0759E-05	5.7382E-05	-6.0884E-06	-1.0363E-04	6.0232E-05	4.0884E-03	0.0571E-03	0.7743E-03	0.7681E-03
4	2.360	1.0225E-04	1.1583E-04	-1.2600E-05	-1.7705E-04	1.2023E-04	9.9340E-03	2.3222E-02	2.6632E-02	2.7940E-02
5	2.330	1.0315E-03	2.2504E-03	-8.0443E-05	-3.6442E-03	1.4030E-03	0.7200	2.210	2.693	2.967
6	2.010	1.1432E-03	1.3682E-03	-1.1652E-04	-2.1611E-03	1.5730E-03	8.7939E-02	0.1820	0.2011	0.2023
7	1.900	4.6280E-04	5.3580E-04	-7.0135E-05	-8.3240E-04	0.4392E-04	6.9582E-02	0.2023	0.2443	0.2661
8	1.860	3.9350E-03	5.1797E-03	-1.1334E-04	-8.6076E-03	4.9356E-03	1.666	5.775	7.204	8.033
9	1.670	2.7672E-04	3.7402E-04	-1.6221E-06	-6.3145E-04	3.5500E-04	8.9644E-02	0.3087	0.3849	0.4283
10	1.661	3.7321E-03	4.7896E-03	-3.1352E-04	-7.8679E-03	7.0856E-03	0.4024	0.9935	1.155	1.210
11	1.556	1.9109E-03	2.2913E-03	-3.3246E-04	-3.6430E-03	5.0580E-03	0.1892	0.4783	0.5621	0.5942
12	1.510	1.3371E-03	1.5787E-03	-2.7268E-04	-2.4763E-03	3.9756E-03	0.2054	0.6590	0.8158	0.8939
13	1.480	6.1716E-03	7.1998E-03	-1.4880E-03	-1.1136E-02	2.2293E-02	0.8527	2.670	3.299	3.630
14	1.360	1.7086E-04	1.9651E-04	-4.6561E-05	-2.9881E-04	7.1559E-04	1.3878E-02	2.9500E-02	3.3384E-02	3.4047E-02
15	1.357	4.0260E-03	4.4586E-03	-1.2757E-03	-6.5713E-03	1.8954E-02	0.3240	0.7056	0.8138	0.8404
16	1.290	5.3303E-03	5.7328E-03	-2.0064E-03	-8.0107E-03	3.1320E-02	0.6775	2.153	2.694	2.985
17	1.208	2.6037E-03	2.7416E-03	-1.0934E-03	-3.6118E-03	1.8247E-02	0.2394	0.5656	0.6590	0.7092
18	1.170	4.0510E-03	5.2860E-03	-2.0638E-03	-6.7786E-03	4.0596E-02	0.9624	3.650	4.721	5.350
19	1.100	5.1098E-03	5.4926E-03	-2.4275E-03	-6.1494E-03	5.4210E-02	0.5942	1.366	1.615	1.710
20	1.030	2.4336E-03	2.4143E-03	-1.3621E-03	-2.0041E-03	3.1077E-02	0.2904	0.6847	0.8225	0.8830
21	0.9980	2.2036E-03	2.0703E-03	-1.3457E-03	-1.1748E-03	3.2147E-02	0.2565	0.5481	0.6468	0.6860
22	0.9690	6.7541E-04	6.1165E-04	-4.3561E-04	-2.1642E-04	1.0807E-02	8.8616E-02	0.2199	0.2637	0.2947
23	0.9600	3.3980E-03	2.9479E-03	-2.3467E-03	2.3808E-04	6.4851E-02	0.5154	1.363	1.701	1.883
24	0.9120	1.3258E-04	1.0981E-04	-9.7180E-05	7.0414E-05	2.9821E-03	1.9557E-02	4.0882E-02	4.6620E-02	5.2059E-02
25	0.9100	5.0057E-03	3.5612E-03	-4.9744E-03	1.8649E-02	0.2347	1.314	2.894	3.538	3.880
26	0.7900	3.5780E-04	-1.1986E-04	-3.7915E-04	6.7026E-03	5.1271E-02	0.2535	0.6197	0.7852	0.8849
27	0.7700	3.7692E-05	-2.7292E-04	-6.9857E-05	5.9256E-03	4.1141E-02	0.2537	0.9110	1.227	1.429
28	0.7550	-3.0434E-04	-7.8446E-04	3.5143E-04	1.1853E-02	7.4533E-02	0.3286	0.6853	0.8426	0.9329
29	0.7300	-2.2332E-04	-4.2357E-04	3.0271E-04	5.5341E-03	3.2177E-02	0.1341	0.2714	0.3330	0.3691
30	0.7200	-1.6130E-03	-2.3904E-03	2.5415E-03	2.7635E-02	0.1441	0.5720	1.216	1.519	1.706
31	0.6800	-5.9350E-04	-7.7147E-04	1.0443E-03	8.4617E-03	4.0151E-02	0.1458	0.2017	0.3466	0.3872
32	0.6700	-8.9209E-03	-7.6788E-03	1.6604E-02	8.0918E-02	0.3352	1.753	6.838	9.457	11.18
33	0.6000	-3.2755E-03	-2.2533E-03	8.1922E-03	3.1597E-02	0.1189	0.4773	1.085	1.368	1.534
34	0.5800	-7.2670E-03	-3.4394E-03	3.8164E-02	0.1323	0.4587	1.580	3.295	4.143	4.675
35	0.5200	1.1430E-02	1.4004E-02	2.5780E-02	5.0277E-02	0.1269	0.3575	0.7113	0.9000	1.028
36	0.5090	1.0822E-03	8.8830E-03	6.8305E-02	0.1913	0.5614	1.570	3.031	3.830	4.404
37	0.4600	2.1552E-02	3.7735E-02	0.1437	0.3399	0.8608	2.050	3.607	4.528	5.219
38	0.4060	0.1236	0.1740	0.4010	0.7615	1.600	3.538	7.875	10.57	12.54
39	0.3400	1.1118E-02	1.4637E-02	2.7894E-02	4.7800E-02	9.1977E-02	0.1887	0.3365	0.4232	0.4852
40	0.3370	0.2267	0.2844	0.4734	0.7528	1.361	2.621	4.406	5.469	6.245
41	0.3000	0.6906	0.8136	1.103	1.511	2.364	4.137	7.381	9.452	10.98
42	0.2560	2.698	3.018	3.402	3.961	5.150	7.668	11.41	13.84	15.69
43	0.2000	19.88	22.18	24.45	27.51	33.18	42.55	52.76	59.44	64.79
44	0.1000	32.49	35.26	37.79	40.90	45.72	51.31	53.69	54.13	54.21
45	5.0000E-02	1.768	1.882	1.936	1.992	2.050	2.110	2.164	2.206	2.229

TABLE LXVII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY
AT 400 FT HEIGHT: PROBLEM NO. 2160400

(4π photons/cm² sec ster)

192

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	7.1566E-07	1.0323E-06	2.2322E-07	-1.7695E-06	-1.0821E-06	2.6887E-03	9.7523E-03	1.2202E-02	1.3660E-02
2	2.996	3.1329E-04	4.2486E-04	4.9516E-05	-7.2177E-04	-1.5924E-04	0.1357	0.4886	0.6111	0.6812
3	2.410	3.4928E-05	4.5124E-05	2.4297E-06	-7.4697E-05	4.9208E-06	3.0923E-03	7.2604E-03	0.2620E-03	0.4532E-03
4	2.380	6.1954E-05	7.8388E-05	2.0693E-06	-1.2874E-04	2.3126E-05	6.9971E-03	2.0105E-02	2.4128E-02	2.5883E-02
5	2.330	9.2500E-04	1.3958E-03	2.2853E-04	-2.4983E-03	-4.3695E-04	0.4356	1.813	2.332	2.636
6	2.010	6.1319E-04	8.6574E-04	6.9356E-05	-1.5155E-03	2.8876E-04	6.5025E-02	0.621	0.1881	0.1945
7	1.900	2.6485E-04	3.5010E-04	1.9909E-06	-5.9649E-04	3.0326E-04	4.4474E-02	0.674	0.2133	0.2385
8	1.850	1.6483E-03	2.9475E-03	6.5010E-04	-5.6953E-03	-1.8679E-04	0.9582	4.628	6.132	7.039
9	1.670	1.0530E-04	2.0646E-04	5.4848E-05	-4.1206E-04	-2.8357E-05	5.2234E-02	0.2475	0.3280	0.3758
10	1.661	1.6513E-03	2.7744E-03	3.9630E-04	-5.2954E-03	1.7175E-03	0.2780	0.8485	1.042	1.124
11	1.556	9.8047E-04	1.4139E-03	6.1534E-06	-2.5515E-03	2.2121E-03	0.1306	0.4059	0.5039	0.5482
12	1.510	7.0810E-04	9.8651E-04	-3.6390E-05	-1.7555E-03	1.9147E-03	0.1277	0.5333	0.7009	0.7964
13	1.480	3.3123E-03	4.5204E-03	-3.6139E-04	-7.9675E-03	1.1845E-02	0.5407	2.168	2.844	3.223
14	1.360	9.3465E-05	1.2442E-04	-1.5670E-05	-2.1589E-04	4.0384E-04	1.0227E-02	2.6003E-02	3.1103E-02	3.2778E-02
15	1.357	2.3423E-03	2.9226E-03	-5.6401E-04	-4.8782E-03	1.1288E-02	0.2379	0.6203	0.7512	0.8006
16	1.290	3.2194E-03	3.8296E-03	-1.0616E-03	-6.1103E-03	1.9781E-02	0.4365	1.736	2.389	2.639
17	1.208	1.6137E-03	1.8528E-03	-6.2968E-04	-2.8160E-03	1.1916E-02	0.1734	0.4841	0.6049	0.6614
18	1.170	2.7720E-03	3.3857E-03	-1.1401E-03	-5.1516E-03	2.6809E-02	0.5747	2.845	3.939	4.617
19	1.100	2.9159E-03	3.4938E-03	-1.4314E-03	-4.7778E-03	3.6768E-02	0.4337	1.173	1.469	1.608
20	1.030	1.5499E-03	1.6535E-03	-9.1641E-04	-1.7654E-03	2.1689E-02	0.2126	0.5829	0.7404	0.8209
21	0.9980	1.4929E-03	1.4828E-03	-9.6140E-04	-1.2261E-03	2.2782E-02	0.1935	0.4772	0.5942	0.6511
22	0.9690	4.7384E-04	4.5088E-04	-3.2196E-04	-2.9008E-04	7.7268E-03	6.4621E-02	0.1844	0.2391	0.2695
23	0.9600	2.4519E-03	2.2252E-03	-1.8016E-03	-6.1431E-04	4.6884E-02	0.3707	1.126	1.486	1.638
24	0.9120	9.8265E-05	8.5028E-05	-7.7189E-05	1.4175E-05	2.1746E-03	1.4960E-02	3.5646E-02	4.4655E-02	4.9352E-02
25	0.9100	5.0454E-03	3.8863E-03	-4.5690E-03	1.0940E-02	0.1755	1.006	2.478	3.184	3.598
26	0.7900	5.0159E-04	9.8477E-05	-5.3511E-04	4.4329E-03	3.9131E-02	0.1919	0.5141	0.6858	0.7962
27	0.7700	1.8114E-04	-9.1302E-05	-2.4968E-04	4.0426E-03	3.1538E-02	0.1716	0.6988	1.006	1.215
28	0.7550	7.6249E-06	-4.2399E-04	-1.0811E-04	8.2783E-03	5.7429E-02	0.2568	0.9899	0.7609	0.8679
29	0.7300	-5.9399E-05	-2.4270E-04	6.2690E-05	3.9050E-03	2.4914E-02	0.1057	0.2350	0.3020	0.3446
30	0.7200	-7.0874E-04	-1.4618E-03	1.1599E-03	1.9820E-02	0.1123	0.4495	1.036	1.355	1.566
31	0.6800	-3.0617E-04	-4.9262E-04	5.7979E-04	6.1523E-03	3.1523E-02	0.1169	0.2454	0.3150	0.3616
32	0.6700	-7.2279E-03	-6.7045E-03	1.1517E-02	6.2039E-02	0.2648	1.173	5.106	7.598	9.350
33	0.6000	-2.9316E-03	-2.2780E-03	6.0375E-03	2.4857E-02	9.4333E-02	0.3615	0.9034	1.206	1.403
34	0.5800	-6.3278E-03	-3.7626E-03	2.8623E-02	0.1038	0.3659	1.231	2.778	3.672	4.282
35	0.5200	9.5953E-03	1.1561E-02	2.0746E-02	4.0311E-02	0.1022	0.2824	0.9958	0.7878	0.9263
36	0.5090	1.3852E-03	6.4945E-03	5.2796E-02	0.1515	0.4536	1.260	2.563	3.377	3.981
37	0.4600	1.6733E-02	2.9059E-02	0.1134	0.2731	0.7045	1.682	3.080	3.989	4.701
38	0.4050	9.6058E-02	0.1357	0.3250	0.6267	1.328	2.828	6.186	8.657	10.58
39	0.3400	8.7661E-03	1.1573E-02	2.2846E-02	3.9703E-02	7.6648E-02	0.1530	0.2780	0.3623	0.4264
40	0.3370	0.1621	0.2286	0.3906	0.6278	1.136	2.141	3.568	4.683	5.472
41	0.3000	0.5710	0.6714	0.9208	1.268	1.975	3.354	5.387	7.765	9.238
42	0.2560	2.291	2.556	2.869	3.321	4.273	6.242	9.335	11.60	13.42
43	0.2000	16.83	18.77	20.68	23.28	28.09	36.10	45.35	51.84	57.21
44	0.1000	28.53	31.07	33.38	36.26	40.84	46.54	50.24	51.67	52.47
45	5.0000E-02	1.584	1.695	1.748	1.802	1.859	1.918	1.976	2.030	2.078

TABLE LXVIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY
AT 400 FT HEIGHT: PROBLEM NO. 2160500

(4π photons/cm² sec ster)

	I UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	2.0873E-04	5.0799E-04	4.6976E-04	-1.3381E-03	-1.5082E-03	0.2196	1.374	1.906	2.235
2	2.996	0.1990	9.4750E-02	0.1107	0.4570	6.6888E-03	0.1580	0.3682	0.1199	0.5567
3	2.410	0.2951	0.1460	0.1264	4.5447E-02	0.2696	9.6579E-03	0.6628	0.1321	0.1476
4	2.360	0.1648	6.6928E-02	0.2894	7.2443E-02	1.042	0.2381	0.7713	0.1721	0.7522
5	2.330	0.9632	1.728	8.6723E-02	1.188	1.897	3.520	21.01	30.94	1.349
6	2.010	7.5677E-05	7.6859E-04	9.6190E-04	-2.7026E-03	-1.5264E-03	0.1689	0.6746	0.8953	1.008
7	1.900	0.1990	9.4750E-02	0.1107	0.4570	6.6888E-03	0.1580	0.3682	0.1199	0.5567
8	1.860	0.2951	0.1460	0.1264	4.5447E-02	0.2696	9.6579E-03	0.6628	0.1321	0.1476
9	1.670	0.1648	6.6928E-02	0.2894	7.2443E-02	1.042	0.2381	0.7713	0.1721	0.7522
10	1.661	0.9632	1.728	8.6723E-02	1.188	1.897	3.520	21.01	30.94	1.349
11	1.556	9.9157E-04	1.3126E-03	7.0237E-05	-2.9652E-03	5.3820E-03	0.1565	0.5064	0.6618	0.7392
12	1.510	0.1990	9.4750E-02	0.1107	0.4570	6.6888E-03	0.1580	0.3682	0.1199	0.5567
13	1.400	0.2951	0.1460	0.1264	4.5447E-02	0.2696	9.6579E-03	0.6628	0.1321	0.1476
14	1.360	0.1648	6.6928E-02	0.2894	7.2443E-02	1.042	0.2381	0.7713	0.1721	0.7522
15	1.357	0.9632	1.728	8.6723E-02	1.188	1.897	3.520	21.01	30.94	1.349
16	1.290	8.3855E-04	8.4357E-04	-4.6263E-04	-1.2437E-03	1.3702E-02	0.1424	0.4614	0.6319	0.7330
17	1.208	0.1990	9.4750E-02	0.1107	0.4570	6.6888E-03	0.1580	0.3682	0.1199	0.5567
18	1.170	0.2951	0.1460	0.1264	4.5447E-02	0.2696	9.6579E-03	0.6628	0.1321	0.1476
19	1.100	0.1648	6.6928E-02	0.2894	7.2443E-02	1.042	0.2381	0.7713	0.1721	0.7522
20	1.030	0.9632	1.728	8.6723E-02	1.188	1.897	3.520	21.01	30.94	1.349
21	0.9900	4.1958E-03	2.8536E-03	-3.6378E-03	5.2755E-03	0.1210	0.7156	1.980	2.717	3.198
22	0.9690	0.1990	9.4750E-02	0.1107	0.4570	6.6888E-03	0.1580	0.3682	0.1199	0.5567
23	0.9600	0.2951	0.1460	0.1264	4.5447E-02	0.2696	9.6579E-03	0.6628	0.1321	0.1476
24	0.9120	0.1648	6.6928E-02	0.2894	7.2443E-02	1.042	0.2381	0.7713	0.1721	0.7522
25	0.9100	0.9632	1.728	8.6723E-02	1.188	1.897	3.520	21.01	30.94	1.349
26	0.7900	-1.8468E-05	-5.4950E-04	1.6171E-04	1.2803E-02	8.1580E-02	0.3324	0.8249	1.143	1.372
27	0.7700	0.1990	9.4750E-02	0.1107	0.4570	6.6888E-03	0.1580	0.3682	0.1199	0.5567
28	0.7550	0.2951	0.1460	0.1264	4.5447E-02	0.2696	9.6579E-03	0.6628	0.1321	0.1476
29	0.7300	0.1648	6.6928E-02	0.2894	7.2443E-02	1.042	0.2381	0.7713	0.1721	0.7522
30	0.7200	0.9632	1.728	8.6723E-02	1.188	1.897	3.520	21.01	30.94	1.349
31	0.6800	8.0802E-03	9.0501E-03	1.5648E-02	3.0273E-02	7.7372E-02	0.2102	0.4634	0.6457	0.7876
32	0.6700	0.1990	9.4750E-02	0.1107	0.4570	6.6888E-03	0.1580	0.3682	0.1199	0.5567
33	0.6000	0.2951	0.1460	0.1264	4.5447E-02	0.2696	9.6579E-03	0.6628	0.1321	0.1476
34	0.5800	0.1648	6.6928E-02	0.2894	7.2443E-02	1.042	0.2381	0.7713	0.1721	0.7522
35	0.5200	0.9632	1.728	8.6723E-02	1.188	1.897	3.520	21.01	30.94	1.349
36	0.5090	0.1458	0.1713	0.3027	0.4930	0.8923	1.647	2.822	3.727	4.476
37	0.4600	0.1990	9.4750E-02	0.1107	0.4570	6.6888E-03	0.1580	0.3682	0.1199	0.5567
38	0.4060	0.2951	0.1460	0.1264	4.5447E-02	0.2696	9.6579E-03	0.6628	0.1321	0.1476
39	0.3460	0.1648	6.6928E-02	0.2894	7.2443E-02	1.042	0.2381	0.7713	0.1721	0.7522
40	0.3370	0.9632	1.728	8.6723E-02	1.188	1.897	3.520	21.01	30.94	1.349
41	0.3000	1.396	1.442	1.490	1.540	1.592	1.647	1.703	1.757	1.810
42	0.2500	0.1990	9.4750E-02	0.1107	0.4570	6.6888E-03	0.1580	0.3682	0.1199	0.5567
43	0.2000	0.2951	0.1460	0.1264	4.5447E-02	0.2696	9.6579E-03	0.6628	0.1321	0.1476
44	0.1000	0.1648	6.6928E-02	0.2894	7.2443E-02	1.042	0.2381	0.7713	0.1721	0.7522
45	5.0000E-02	0.9632	1.728	8.6723E-02	1.188	1.897	3.520	21.01	30.94	1.349

TABLE LXIX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY
AT 400 FT HEIGHT: PROBLEM NO. 21701C0

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.8800E+00	1.8350E-02	1.1894E-02	-1.4783E-03	-1.8860E-02	1.3882E-02	4.0453E+00	1.0882E+01	1.1852E+01	1.2839E+01
2	2.9960E+00	1.2212E+00	5.8550E-01	7.4088E-01	3.8349E+00	3.9162E-02	9.3365E-01	2.4568E+00	7.2768E-01	3.9419E+00
3	2.4180E+00	1.7885E+00	8.9330E-01	7.5146E-01	2.8276E-01	1.7124E+00	5.7265E-02	4.0036E+00	8.2629E-01	1.8382E+00
4	2.3880E+00	5.8918E-01	3.9920E-01	1.7544E+00	4.2916E-01	7.6299E+00	1.5873E+00	4.8163E+00	1.0854E+00	4.6826E+00
5	2.3380E+00	5.9439E+00	1.1558E+01	5.5724E-01	7.6065E+00	1.2586E+01	2.2994E+01	1.2921E+02	1.6602E+02	7.2382E+00
6	2.8180E+00	2.1988E-02	2.5846E-02	-4.8738E-03	-3.8958E-02	5.1841E-02	2.8576E+00	4.3924E+00	4.8286E+00	5.8741E+00
7	1.9800E+00	1.2212E+00	5.8550E-01	7.4088E-01	3.8349E+00	3.9162E-02	9.3365E-01	2.4568E+00	7.2768E-01	3.9419E+00
8	1.8800E+00	1.7885E+00	8.9330E-01	7.5146E-01	2.8276E-01	1.7124E+00	5.7265E-02	4.0036E+00	8.2629E-01	1.8382E+00
9	1.8780E+00	5.8918E-01	3.9920E-01	1.7544E+00	4.2916E-01	7.6299E+00	1.5873E+00	4.8163E+00	1.0854E+00	4.6826E+00
10	1.6610E+00	5.9439E+00	1.1558E+01	5.5724E-01	7.6065E+00	1.2586E+01	2.2994E+01	1.2921E+02	1.6602E+02	7.2382E+00
11	1.5560E+00	2.1615E-02	2.2756E-02	-7.7141E-03	-3.1271E-02	1.8712E-01	1.6923E+00	3.8793E+00	3.4083E+00	3.4527E+00
12	1.5180E+00	1.2212E+00	5.8550E-01	7.4088E-01	3.8349E+00	3.9162E-02	9.3365E-01	2.4568E+00	7.2768E-01	3.9419E+00
13	1.4880E+00	1.7885E+00	8.9330E-01	7.5146E-01	2.8276E-01	1.7124E+00	5.7265E-02	4.0036E+00	8.2629E-01	1.8382E+00
14	1.3680E+00	5.8918E-01	3.9920E-01	1.7544E+00	4.2916E-01	7.6299E+00	1.5873E+00	4.8163E+00	1.0854E+00	4.6826E+00
15	1.3570E+00	5.9439E+00	1.1558E+01	5.5724E-01	7.6065E+00	1.2586E+01	2.2994E+01	1.2921E+02	1.6602E+02	7.2382E+00
16	1.2980E+00	1.2576E-02	1.2812E-02	-6.9128E-03	-7.8748E-03	1.6055E-01	1.4457E+00	3.8918E+00	3.5877E+00	3.6890E+00
17	1.2880E+00	1.2212E+00	5.8550E-01	7.4088E-01	3.8349E+00	3.9162E-02	9.3365E-01	2.4568E+00	7.2768E-01	3.9419E+00
18	1.1780E+00	1.7885E+00	8.9330E-01	7.5146E-01	2.8276E-01	1.7124E+00	5.7265E-02	4.0036E+00	8.2629E-01	1.8382E+00
19	1.1880E+00	5.8918E-01	3.9920E-01	1.7544E+00	4.2916E-01	7.6299E+00	1.5873E+00	4.8163E+00	1.0854E+00	4.6826E+00
20	1.8380E+00	5.9439E+00	1.1558E+01	5.5724E-01	7.6065E+00	1.2586E+01	2.2994E+01	1.2921E+02	1.6602E+02	7.2382E+00
21	9.9800E-01	2.4717E-02	1.3719E-02	-1.9635E-02	1.8711E-01	1.1568E+00	6.3547E+00	1.2777E+01	1.5085E+01	1.6216E+01
22	9.6900E-01	1.2212E+00	5.8550E-01	7.4088E-01	3.8349E+00	3.9162E-02	9.3365E-01	2.4568E+00	7.2768E-01	3.9419E+00
23	9.6880E-01	1.7885E+00	8.9330E-01	7.5146E-01	2.8276E-01	1.7124E+00	5.7265E-02	4.0036E+00	8.2629E-01	1.8382E+00
24	9.1200E-01	5.8918E-01	3.9920E-01	1.7544E+00	4.2916E-01	7.6299E+00	1.5873E+00	4.8163E+00	1.0854E+00	4.6826E+00
25	9.1880E-01	5.9439E+00	1.1558E+01	5.5724E-01	7.6065E+00	1.2586E+01	2.2994E+01	1.2921E+02	1.6602E+02	7.2382E+00
26	7.8880E-01	-5.6787E-03	-1.2719E-02	1.6804E-02	1.3962E-01	6.8801E-01	2.7244E+00	6.3891E+00	6.5171E+00	7.1768E+00
27	7.7800E-01	1.2212E+00	5.8550E-01	7.4088E-01	3.8349E+00	3.9162E-02	9.3365E-01	2.4568E+00	7.2768E-01	3.9419E+00
28	7.5500E-01	1.7885E+00	8.9330E-01	7.5146E-01	2.8276E-01	1.7124E+00	5.7265E-02	4.0036E+00	8.2629E-01	1.8382E+00
29	7.3880E-01	5.8918E-01	3.9920E-01	1.7544E+00	4.2916E-01	7.6299E+00	1.5873E+00	4.8163E+00	1.0854E+00	4.6826E+00
30	7.2880E-01	5.9439E+00	1.1558E+01	5.5724E-01	7.6065E+00	1.2586E+01	2.2994E+01	1.2921E+02	1.6602E+02	7.2382E+00
31	6.8800E-01	5.1795E-02	6.4247E-02	1.2033E-01	2.3539E-01	5.8272E-01	1.6970E+00	3.1378E+00	3.9851E+00	4.3683E+00
32	6.7880E-01	1.2212E+00	5.8550E-01	7.4088E-01	3.8349E+00	3.9162E-02	9.3365E-01	2.4568E+00	7.2768E-01	3.9419E+00
33	6.8880E-01	1.7885E+00	8.9330E-01	7.5146E-01	2.8276E-01	1.7124E+00	5.7265E-02	4.0036E+00	8.2629E-01	1.8382E+00
34	5.8880E-01	5.8918E-01	3.9920E-01	1.7544E+00	4.2916E-01	7.6299E+00	1.5873E+00	4.8163E+00	1.0854E+00	4.6826E+00
35	5.2880E-01	5.9439E+00	1.1558E+01	5.5724E-01	7.6065E+00	1.2586E+01	2.2994E+01	1.2921E+02	1.6602E+02	7.2382E+00
36	5.8900E-01	1.8557E+00	1.3248E+00	2.1649E+00	3.4158E+00	6.1718E+00	1.2187E+01	1.9839E+01	2.4029E+01	2.6968E+01
37	4.6880E-01	1.2212E+00	5.8550E-01	7.4088E-01	3.8349E+00	3.9162E-02	9.3365E-01	2.4568E+00	7.2768E-01	3.9419E+00
38	4.6800E-01	1.7885E+00	8.9330E-01	7.5146E-01	2.8276E-01	1.7124E+00	5.7265E-02	4.0036E+00	8.2629E-01	1.8382E+00
39	3.4880E-01	5.8918E-01	3.9920E-01	1.7544E+00	4.2916E-01	7.6299E+00	1.5873E+00	4.8163E+00	1.0854E+00	4.6826E+00
40	3.3780E-01	5.9439E+00	1.1558E+01	5.5724E-01	7.6065E+00	1.2586E+01	2.2994E+01	1.2921E+02	1.6602E+02	7.2382E+00
41	3.0800E-01	7.3926E+00	7.6201E+00	8.8252E+00	8.2333E+00	8.4534E+00	8.6655E+00	8.8832E+00	8.8891E+00	8.7384E+00
42	2.5680E-01	1.2212E+00	5.8550E-01	7.4088E-01	3.8349E+00	3.9162E-02	9.3365E-01	2.4568E+00	7.2768E-01	3.9419E+00
43	2.0800E-01	1.7885E+00	8.9330E-01	7.5146E-01	2.8276E-01	1.7124E+00	5.7265E-02	4.0036E+00	8.2629E-01	1.8382E+00
44	1.8800E-01	5.8918E-01	3.9920E-01	1.7544E+00	4.2916E-01	7.6299E+00	1.5873E+00	4.8163E+00	1.0854E+00	4.6826E+00
45	5.8830E-02	5.9439E+00	1.1558E+01	5.5724E-01	7.6065E+00	1.2586E+01	2.2994E+01	1.2921E+02	1.6602E+02	7.2382E+00

TABLE LXX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2170200

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	6.2344E-06	5.7274E-06	5.7970E-07	-7.5189E-06	-4.6807E-06	9.0265E-03	3.4785E-02	4.3310E-02	4.8073E-02
2	2.9960E+00	2.5718E-03	2.3200E-03	6.7502E-05	-3.0622E-03	-8.1316E-04	4.6868E-01	1.7427E+00	2.1709E+00	2.4019E+00
3	2.4100E+00	2.7183E-04	2.4223E-04	-3.2932E-06	-3.1620E-04	6.6807E-06	1.1121E-02	2.7001E-02	3.1051E-02	3.2152E-02
4	2.3800E+00	4.7192E-04	4.1746E-04	-1.4216E-05	-5.4166E-04	6.3914E-06	2.4595E-02	7.3102E-02	8.7907E-02	9.4352E-02
5	2.3300E+00	8.7515E-03	7.9051E-03	4.3300E-04	-1.0637E-02	-2.4344E-03	1.4471E+00	6.3783E+00	8.1660E+00	9.1656E+00
6	2.0100E+00	5.4014E-03	4.0536E-03	-4.3868E-08	-6.4273E-03	7.8891E-04	2.3216E-01	6.8920E-01	7.0234E-01	7.3610E-01
7	1.9000E+00	2.1660E-03	1.9182E-03	-1.0449E-04	-2.5202E-03	1.0464E-03	1.6132E-01	6.8204E-01	7.0267E-01	8.3694E-01
8	1.8600E+00	1.9385E-02	1.7935E-02	1.4210E-03	-2.4402E-02	-2.5976E-03	3.1293E+00	1.6050E+01	2.1163E+01	2.4055E+01
9	1.6700E+00	1.3819E-03	1.2095E-03	1.3265E-04	-1.7661E-03	-2.5035E-04	1.7164E-01	8.5921E-01	1.1320E+00	1.2862E+00
10	1.6610E+00	1.8309E-02	1.6651E-02	4.4809E-04	-2.2623E-02	6.3942E-03	9.7142E-01	3.0556E+00	3.7746E+00	4.0971E+00
11	1.5560E+00	9.1072E-03	8.0966E-03	-5.0013E-04	-1.0826E-02	8.0030E-03	4.6693E-01	1.4668E+00	1.8160E+00	1.9843E+00
12	1.5100E+00	6.3338E-03	5.5861E-03	-4.9826E-04	-7.4339E-03	7.0446E-03	4.3122E-01	1.8612E+00	2.4379E+00	2.7535E+00
13	1.4800E+00	2.9248E-02	2.5504E-02	-3.1904E-03	-3.3654E-02	4.4298E-02	1.8414E+00	7.5798E+00	9.9158E+00	1.1186E+01
14	1.3600E+00	8.0668E-04	8.9751E-04	-1.1146E-04	-9.1140E-04	1.5218E-03	3.6538E-02	8.6274E-02	1.1640E-01	1.2365E-01
15	1.3570E+00	1.0718E-02	1.5981E-02	-3.3867E-03	-2.0492E-02	4.2818E-02	8.4958E-01	2.2629E+00	2.7681E+00	2.9694E+00
16	1.2900E+00	2.4628E-02	2.0620E-02	-5.7576E-03	-2.5585E-02	7.5565E-02	1.4892E+00	6.0462E+00	8.0109E+00	8.1096E+00
17	1.2080E+00	1.1972E-02	9.9054E-03	-3.2640E-03	-1.1757E-02	4.5693E-02	6.1786E-01	1.7454E+00	2.1927E+00	2.4167E+00
18	1.1700E+00	2.2663E-02	1.8053E-02	-6.0095E-03	-2.1688E-02	1.0295E-01	1.8256E+00	8.7026E+00	1.3345E+01	1.5500E+01
19	1.1000E+00	2.3887E-02	1.8567E-02	-7.3304E-03	-2.0001E-02	1.4162E-01	1.6495E+00	4.2359E+00	5.3413E+00	5.9068E+00
20	1.0300E+00	1.1108E-02	8.7426E-03	-4.3819E-03	-7.2792E-03	8.3786E-02	7.6115E-01	2.0951E+00	2.6714E+00	2.9820E+00
21	0.9600E-01	9.9007E-03	7.5875E-03	-4.4873E-03	-4.9691E-03	8.8145E-02	6.8906E-01	1.7361E+00	2.1773E+00	2.4121E+00
22	9.6900E-01	3.0044E-03	2.2588E-03	-1.4790E-03	-1.1517E-03	2.9918E-02	2.3154E-01	6.5755E-01	8.5237E-01	9.6312E-01
23	9.6000E-01	1.4891E-02	1.0958E-02	-8.1445E-03	-2.1863E-03	1.8176E-01	1.3241E+00	3.8778E+00	5.2380E+00	5.9764E+00
24	9.1200E-01	5.7991E-04	4.1124E-04	-3.4392E-04	8.4278E-05	9.4382E-03	6.4238E-02	1.2882E-01	1.6352E-01	1.8244E-01
25	9.1000E-01	2.4046E-02	1.4199E-02	-1.8221E-02	4.7856E-02	6.8268E-01	3.6606E+00	8.9409E+00	1.1487E+01	1.3020E+01
26	7.9000E-01	1.1322E-03	-1.7813E-04	-1.9616E-03	1.8086E-02	1.6251E-01	6.8928E-01	1.8246E+00	2.4160E+00	2.7837E+00
27	7.7000E-01	-8.8098E-05	-8.5342E-04	-7.6559E-04	1.7238E-02	1.2288E-01	6.0629E-01	2.3664E+00	3.3620E+00	4.0100E+00
28	7.5500E-01	-1.7376E-03	-2.6804E-03	2.3877E-04	8.5164E-02	2.2406E-01	8.4183E-01	2.1353E+00	2.7404E+00	3.1418E+00
29	7.3000E-01	-1.1806E-03	-1.4700E-03	6.0165E-04	1.6561E-02	8.7241E-02	3.8886E-01	8.5326E-01	1.0841E+00	1.2510E+00
30	7.2000E-01	-7.9477E-03	-8.4205E-03	6.6977E-03	8.3833E-02	4.3880E-01	1.6532E+00	3.7287E+00	4.8499E+00	5.5956E+00
31	6.8000E-01	-2.8523E-03	-2.7396E-03	3.0259E-03	2.5865E-02	1.2319E-01	4.3236E-01	8.8421E-01	1.1431E+00	1.3122E+00
32	6.7000E-01	-3.7782E-02	-2.9804E-02	5.4099E-02	2.6970E-01	1.0358E+00	4.1432E+00	1.7801E+01	2.4809E+01	3.0226E+01
33	6.0000E-01	-1.3350E-02	-9.1832E-03	2.7606E-02	1.0352E-01	3.6908E-01	1.3149E+00	3.2018E+00	4.2657E+00	4.9567E+00
34	5.8000E-01	-2.9917E-02	-1.4478E-02	1.2981E-01	4.3226E-01	1.4323E+00	4.6148E+00	8.9214E+00	1.3015E+01	1.5151E+01
35	5.2000E-01	4.0601E-02	5.2971E-02	9.1227E-02	1.6731E-01	4.0031E-01	1.0415E+00	2.1264E+00	2.7727E+00	3.2337E+00
36	5.0900E-01	8.6694E-03	3.2332E-02	2.3625E-01	6.2994E-01	1.7774E+00	4.6637E+00	9.1801E+00	1.1914E+01	1.3910E+01
37	4.6000E-01	9.4332E-02	1.3983E-01	5.0291E-01	1.1332E+00	2.7636E+00	6.2684E+00	1.1092E+01	1.4084E+01	1.6353E+01
38	4.0600E-01	5.3970E-01	6.4755E-01	1.4251E+00	2.5904E+00	5.2142E+00	1.0489E+01	2.1305E+01	2.8841E+01	3.4432E+01
39	3.4000E-01	4.8262E-02	5.4707E-02	9.9737E-02	1.6387E-01	3.0113E-01	5.6846E-01	9.8181E-01	1.2454E+00	1.4390E+00
40	3.3700E-01	9.7747E-01	1.0683E+00	1.6937E+00	2.5895E+00	4.4623E+00	7.9645E+00	1.2953E+01	1.6105E+01	1.8412E+01
41	3.0000E-01	2.9457E+00	3.0798E+00	3.9867E+00	5.2254E+00	7.7582E+00	1.2450E+01	2.0404E+01	2.5863E+01	2.9932E+01
42	2.5600E-01	1.1395E+01	1.1513E+01	1.2371E+01	1.3684E+01	1.6769E+01	2.3150E+01	3.2714E+01	3.9101E+01	4.3912E+01
43	2.0000E-01	8.3346E+01	8.3952E+01	8.8393E+01	9.4982E+01	1.0937E+02	1.3411E+02	1.6136E+02	1.7809E+02	1.9096E+02
44	1.0000E-01	1.3301E+02	1.3372E+02	1.3867E+02	1.4547E+02	1.5837E+02	1.7527E+02	1.8611E+02	1.8948E+02	1.9108E+02
45	5.0000E-02	7.1544E+00	7.1563E+00	7.1602E+00	7.1823E+00	7.2045E+00	7.2295E+00	7.2499E+00	7.2615E+00	7.2694E+00

TABLE LXXI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2170300

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	5.2846E-06	4.9553E-06	8.2051E-07	-6.6133E-06	-6.4008E-06	7.7332E-03	3.2801E-02	4.1485E-02	4.6394E-02
2	2.9960E+00	2.1952E-03	2.0164E-03	1.6784E-04	-2.7048E-03	-1.1619E-03	3.8537E-01	1.6428E+00	2.0798E+00	2.3192E+00
3	2.4100E+00	2.3481E-04	2.1248E-04	6.5041E-06	-2.8085E-04	-4.6874E-05	1.0116E-02	2.6985E-02	3.0330E-02	3.1675E-02
4	2.3800E+00	4.0860E-04	3.6742E-04	2.7029E-06	-4.8487E-04	-2.0844E-05	2.1955E-02	6.8578E-02	8.4864E-02	8.1829E-02
5	2.3300E+00	7.2198E-03	6.8044E-03	8.0242E-04	-9.3146E-03	-3.7461E-03	1.2288E+00	5.8695E+00	7.7818E+00	8.8018E+00
6	2.0100E+00	4.5892E-03	4.1827E-03	2.0734E-04	-6.8638E-03	-3.9852E-04	2.0972E-01	5.7381E-01	6.8418E-01	7.2390E-01
7	1.9800E+00	1.8497E-03	1.6649E-03	-1.3805E-05	-2.2419E-03	5.5999E-04	1.2140E-01	5.5568E-01	7.1913E-01	8.0692E-01
8	1.8600E+00	1.5727E-02	1.4957E-02	2.3270E-03	-2.1075E-02	-6.0167E-03	2.6193E+00	1.4888E+01	2.8046E+01	2.3020E+01
9	1.6700E+00	1.1059E-03	1.0597E-03	1.9933E-04	-1.5154E-03	-5.0092E-04	1.4452E-01	7.3711E-01	1.0730E+00	1.2313E+00
10	1.6610E+00	1.4916E-02	1.3964E-02	1.3192E-03	-1.9611E-02	1.4303E-03	8.6211E-01	2.3821E+00	3.6381E+00	3.9887E+00
11	1.5560E+00	7.6376E-03	6.8968E-03	-7.6059E-05	-9.5281E-03	6.6667E-03	4.0611E-01	1.3767E+00	1.7474E+00	1.8284E+00
12	1.5100E+00	5.3442E-03	4.7951E-03	-2.2090E-04	-6.5711E-03	5.2698E-03	3.7252E-01	1.7343E+00	2.3170E+00	2.6435E+00
13	1.4800E+00	2.4666E-02	2.1925E-02	-1.8900E-03	-2.8870E-02	3.6265E-02	1.6823E+00	7.3698E+00	9.4325E+00	1.0743E+01
14	1.3600E+00	6.8286E-04	6.0123E-04	-7.2932E-05	-8.1186E-04	1.2490E-03	3.3036E-02	8.0914E-02	1.1210E-01	1.2139E-01
15	1.3570E+00	1.6091E-02	1.3885E-02	-2.5804E-03	-1.8414E-02	3.5878E-02	7.6834E-01	2.1651E+00	2.6828E+00	2.8273E+00
16	1.2900E+00	2.1304E-02	1.8073E-02	-4.5799E-03	-2.3174E-02	6.5849E-02	1.2160E+00	6.6289E+00	7.6072E+00	8.7412E+00
17	1.2000E+00	1.8406E-02	8.7088E-03	-2.6858E-03	-1.0725E-02	3.8846E-02	6.6839E-01	1.6528E+00	2.1134E+00	2.3521E+00
18	1.1700E+00	1.9388E-02	1.6274E-02	-4.8877E-03	-1.9503E-02	9.0251E-02	1.6581E+00	8.9371E+00	1.2665E+01	1.4769E+01
19	1.1000E+00	2.8423E-02	1.6862E-02	-6.8852E-03	-1.8133E-02	1.2637E-01	1.4034E+00	4.0131E+00	5.1516E+00	5.7575E+00
20	1.0300E+00	9.7274E-03	7.7211E-03	-3.8348E-03	-6.8322E-03	7.4853E-02	6.8116E-01	1.9809E+00	2.6702E+00	2.8984E+00
21	9.9800E-01	8.8077E-03	6.7973E-03	-3.8963E-03	-4.8443E-03	7.9125E-02	6.3918E-01	1.6511E+00	2.1053E+00	2.3557E+00
22	8.6900E-01	2.6995E-03	2.0426E-03	-1.5334E-03	-1.1741E-03	2.6930E-02	2.1054E-01	6.1846E-01	8.1689E-01	9.3228E-01
23	8.6000E-01	1.3581E-02	9.9856E-03	-7.4326E-03	-2.7872E-03	1.6420E-01	1.2018E+00	3.7355E+00	5.0004E+00	5.7629E+00
24	9.1208E-01	5.2991E-04	3.7770E-04	-3.1744E-04	3.4908E-05	7.6436E-03	4.8922E-02	1.2353E-01	1.6807E-01	1.7806E-01
25	9.1000E-01	2.3204E-02	1.3966E-02	-1.6547E-02	4.0131E-02	6.2313E-01	3.3726E+00	8.4728E+00	1.1051E+01	1.2640E+01
26	7.9000E-01	1.4299E-03	8.8614E-05	-2.1181E-03	1.6612E-02	1.4008E-01	6.4389E-01	1.7158E+00	2.3064E+00	2.6912E+00
27	7.7000E-01	1.5033E-04	-6.1568E-04	-9.6632E-04	1.6228E-02	1.1312E-01	6.4786E-01	2.1741E+00	3.1513E+00	3.8009E+00
28	7.5500E-01	-1.2170E-03	-2.2025E-03	-3.1497E-04	3.1388E-02	2.0643E-01	8.7339E-01	2.0265E+00	2.6448E+00	3.0493E+00
29	7.3000E-01	-8.9273E-04	-1.2215E-03	3.1744E-04	1.4793E-02	8.8724E-02	3.6135E-01	8.1108E-01	1.0540E+00	1.2150E+00
30	7.2000E-01	-6.4478E-03	-7.1498E-03	5.1111E-03	7.5278E-02	4.0575E-01	1.6371E+00	3.6322E+00	4.6536E+00	5.4131E+00
31	6.8000E-01	-2.3725E-03	-2.3648E-03	2.4770E-03	2.3418E-02	1.1414E-01	4.0362E-01	8.6167E-01	1.1017E+00	1.2741E+00
32	6.7000E-01	-3.5657E-02	-2.6516E-02	4.7936E-02	2.3838E-01	9.6228E-01	3.7478E+00	1.6492E+01	2.3188E+01	2.8482E+01
33	6.0000E-01	-1.8092E-02	-9.2264E-03	2.4364E-02	9.5789E-02	8.4344E-01	1.2123E+00	3.0073E+00	4.0602E+00	4.7763E+00
34	5.8000E-01	-2.9847E-02	-1.4941E-02	1.1910E-01	3.9979E-01	1.3346E+00	4.1897E+00	8.3637E+00	1.2437E+01	1.4605E+01
35	5.2000E-01	4.5689E-02	4.9677E-02	8.4350E-02	1.5583E-01	3.7397E-01	9.7004E-01	2.0024E+00	2.6416E+00	3.1052E+00
36	5.0300E-01	7.5228E-03	2.9098E-02	2.1713E-01	5.8440E-01	1.6617E+00	4.3604E+00	8.6659E+00	1.1369E+01	1.3368E+01
37	4.6000E-01	8.6153E-02	1.2811E-01	4.6537E-01	1.0559E+00	2.5926E+00	5.8918E+00	1.0506E+01	1.3446E+01	1.5698E+01
38	4.0000E-01	4.9418E-01	5.9587E-01	1.3299E+00	2.4315E+00	4.9111E+00	9.8337E+00	1.9771E+01	2.7014E+01	3.2497E+01
39	3.4000E-01	4.4441E-02	5.0574E-02	9.3389E-02	1.5425E-01	2.9397E-01	5.3331E-01	9.2132E-01	1.1782E+00	1.3700E+00
40	3.3700E-01	9.0633E-01	9.9315E-01	1.5953E+00	2.4466E+00	4.2093E+00	7.4791E+00	1.2193E+01	1.5241E+01	1.7521E+01
41	3.0000E-01	2.7605E+00	2.8892E+00	3.7553E+00	4.9339E+00	7.3192E+00	1.1675E+01	1.8988E+01	2.4278E+01	2.8144E+01
42	2.5600E-01	1.0781E+01	1.0991E+01	1.1692E+01	1.2914E+01	1.5783E+01	2.1693E+01	3.0628E+01	3.6801E+01	4.1536E+01
43	2.0000E-01	7.8850E+01	7.9432E+01	8.3521E+01	8.9858E+01	1.0345E+02	1.2701E+02	1.5366E+02	1.6972E+02	1.8424E+02
44	1.0000E-01	1.2757E+02	1.2926E+02	1.3306E+02	1.3967E+02	1.5228E+02	1.6909E+02	1.8065E+02	1.8471E+02	1.8691E+02
45	5.0000E-02	6.9151E+03	6.9167E+03	6.9266E+03	6.9384E+03	6.9575E+03	6.9799E+03	6.9952E+03	7.0111E+03	7.0200E+03

TABLE LXXII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2170400
(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	2.8594E-06	2.9673E-06	1.3409E-06	-4.3074E-06	-6.6221E-06	4.8688E-03	2.7608E-02	3.6466E-02	4.1706E-02
2	2.9960E+00	1.2510E-03	1.2469E-03	3.8954E-04	-1.8195E-03	-1.8176E-03	2.5482E-01	1.3767E+00	1.8280E+00	2.8879E+00
3	2.4100E+00	1.3957E-04	1.3526E-04	3.8195E-05	-1.9350E-04	-1.2800E-04	7.6116E-03	2.3074E-02	2.8175E-02	3.0200E-02
4	2.3800E+00	2.4756E-04	2.3717E-04	4.3937E-05	-3.3786E-04	-1.7899E-04	1.6735E-02	5.9930E-02	7.6541E-02	8.4972E-02
5	2.3300E+00	3.6963E-03	3.8613E-03	1.8024E-03	-5.8596E-03	-6.1426E-03	7.6004E-01	4.8851E+00	6.7356E+00	7.8217E+00
6	2.0100E+00	2.4505E-03	2.4609E-03	7.1436E-04	-3.7440E-03	-2.2271E-03	1.6491E-01	6.0247E-01	6.2889E-01	6.8607E-01
7	1.9800E+00	1.8585E-03	1.8247E-03	1.8589E-04	-1.5247E-03	-3.6930E-04	8.7486E-02	4.6824E-01	6.2718E-01	7.2319E-01
8	1.8600E+00	6.5858E-03	7.4645E-03	4.2475E-03	-1.2718E-02	-1.2204E-02	1.6581E+00	1.1850E+01	1.7062E+01	2.0177E+01
9	1.6700E+00	4.2072E-04	5.0164E-04	3.3896E-04	-8.9398E-04	-8.4470E-04	8.7851E-02	6.3897E-01	8.1378E-01	1.0806E+00
10	1.6610E+00	6.5988E-03	7.1804E-03	3.1989E-03	-1.2144E-02	-6.5064E-03	6.0848E-01	2.4473E+00	3.2503E+00	3.6727E+00
11	1.5560E+00	3.9184E-03	3.8132E-03	8.5071E-04	-6.2440E-03	7.4488E-04	2.8863E-01	1.1598E+00	1.6538E+00	1.7667E+00
12	1.5100E+00	2.8299E-03	2.7712E-03	4.3176E-04	-4.3748E-03	1.6670E-03	2.4604E-01	1.4041E+00	1.9882E+00	2.3392E+00
13	1.4800E+00	1.8237E-02	1.2763E-02	1.2018E-03	-2.8097E-02	1.6268E-02	1.0820E+00	6.7406E+00	8.1187E+00	9.6386E+00
14	1.3600E+00	3.7352E-04	3.5429E-04	1.2010E-05	-5.5128E-04	6.6813E-04	2.4570E-02	7.8640E-02	1.0222E-01	1.1425E-01
15	1.3570E+00	9.3813E-03	8.5844E-03	-4.8837E-04	-1.2910E-02	2.1157E-02	5.7282E-01	1.8646E+00	2.4321E+00	2.7368E+00
16	1.2900E+00	1.2867E-02	1.1458E-02	-1.8335E-03	-1.6676E-02	4.1785E-02	8.1685E-01	4.6478E+00	6.6163E+00	7.7235E+00
17	1.2880E+00	8.4496E-03	5.6808E-03	-1.3105E-03	-7.8628E-03	2.6741E-02	4.1768E-01	1.4012E+00	1.8869E+00	2.1644E+00
18	1.1700E+00	1.1079E-02	9.7683E-03	-2.1914E-03	-1.3791E-02	6.1764E-02	1.1027E+00	6.8886E+00	1.0496E+01	1.2748E+01
19	1.1000E+00	1.1655E-02	1.0052E-02	-3.1222E-03	-1.2885E-02	8.8509E-02	1.0562E+00	3.4036E+00	4.6042E+00	6.3087E+00
20	1.0300E+00	6.1951E-03	5.0563E-03	-2.4286E-03	-5.3032E-03	5.4247E-02	5.2486E-01	1.6715E+00	2.2820E+00	2.6522E+00
21	9.9800E-01	5.9673E-03	4.6941E-03	-2.7331E-03	-4.0826E-03	6.8128E-02	4.8380E-01	1.4166E+00	1.6846E+00	2.1833E+00
22	9.6900E-01	1.8940E-03	1.4579E-03	-9.4848E-04	-1.8808E-03	1.8936E-02	1.6098E-01	6.1786E-01	7.1773E-01	8.4353E-01
23	9.6000E-01	9.8004E-03	7.3159E-03	-5.5021E-03	-2.4294E-03	1.2282E-01	8.1700E-01	3.0838E+00	4.3461E+00	6.1590E+00
24	8.1200E-01	3.9277E-04	2.8431E-04	-2.4288E-04	-4.2765E-05	6.7623E-03	3.9113E-02	1.0609E-01	1.4214E-01	1.6468E-01
25	9.1000E-01	2.0167E-02	1.2688E-02	-1.5963E-02	2.3852E-02	4.7883E-01	2.6698E+00	7.2024E+00	9.8106E+00	1.1625E+01
26	7.9000E-01	2.8051E-03	7.6627E-04	-2.2620E-03	1.1216E-02	1.0874E-01	6.1386E-01	1.4298E+00	2.0051E+00	2.4017E+00
27	7.7000E-01	7.2420E-04	-4.9369E-05	-1.2546E-03	1.0629E-02	8.9011E-02	4.1846E-01	1.6870E+00	2.6006E+00	3.2398E+00
28	7.5500E-01	3.0819E-05	-1.0237E-03	-1.2069E-03	2.2366E-02	1.6320E-01	7.0404E-01	1.7301E+00	2.3484E+00	2.7756E+00
29	7.3000E-01	-2.3725E-04	-6.2730E-04	-2.1657E-04	1.0664E-02	7.1211E-02	2.8288E-01	6.8537E-01	8.3833E-01	1.1079E+00
30	7.2000E-01	-2.8325E-03	-4.8492E-03	1.7615E-03	5.6888E-02	3.2392E-01	1.2496E+00	3.0002E+00	4.1005E+00	4.8833E+00
31	6.8000E-01	-1.2237E-03	-1.4217E-03	1.3005E-03	1.7356E-02	9.1607E-02	3.3116E-01	7.3893E-01	8.8207E-01	1.1607E+00
32	6.7000E-01	-2.8887E-02	-2.3912E-02	3.3617E-02	1.8589E-01	7.8108E-01	2.8885E+00	1.1813E+01	1.8751E+01	2.3853E+01
33	6.0000E-01	-1.1717E-02	-8.8805E-03	1.8832E-02	7.6450E-02	2.7952E-01	8.6660E-01	2.4817E+00	3.6127E+00	4.2511E+00
34	5.8000E-01	-2.5298E-02	-1.4588E-02	8.9968E-02	3.1912E-01	1.0898E+00	3.3817E+00	7.8333E+00	1.0808E+01	1.3012E+01
35	5.2000E-01	3.8356E-02	4.1395E-02	6.9212E-02	1.2696E-01	3.0746E-01	7.9248E-01	1.6731E+00	2.2787E+00	2.7384E+00
36	5.0900E-01	5.5376E-03	2.1979E-02	1.7047E-01	4.7084E-01	1.3683E+00	3.5956E+00	7.3028E+00	9.8490E+00	1.1812E+01
37	4.6000E-01	6.6890E-02	1.0007E-01	3.7245E-01	8.6124E-01	2.1537E+00	4.9212E+00	8.9226E+00	1.1662E+01	1.3827E+01
38	4.0600E-01	3.8399E-01	4.6951E-01	1.0889E+00	2.0222E+00	4.1226E+00	8.1845E+00	1.5933E+01	2.2248E+01	2.7312E+01
39	3.4000E-01	3.5041E-02	4.0327E-02	7.7161E-02	1.2927E-01	2.3914E-01	4.4369E-01	7.6297E-01	9.9528E-01	1.1777E+00
40	3.3700E-01	7.2803E-01	8.0383E-01	1.3267E+00	2.0529E+00	3.5476E+00	6.2303E+00	1.0124E+01	1.2898E+01	1.5045E+01
41	3.0000E-01	2.2821E+00	2.3951E+00	3.1558E+00	4.1689E+00	6.1676E+00	9.6877E+00	1.5422E+01	1.9946E+01	2.3543E+01
42	2.5000E-01	9.1554E+00	9.2456E+00	9.8988E+00	1.0889E+01	1.3204E+01	1.7932E+01	2.5191E+01	3.0650E+01	3.5078E+01
43	2.0000E-01	6.6801E+01	6.7293E+01	7.0834E+01	7.6120E+01	8.7728E+01	1.0789E+02	1.3111E+02	1.4649E+02	1.5874E+02
44	1.0000E-01	1.1218E+02	1.1280E+02	1.1712E+02	1.2313E+02	1.3478E+02	1.5895E+02	1.6376E+02	1.6538E+02	1.7276E+02
45	5.0000E-02	6.2043E+00	6.2050E+00	6.2099E+00	6.2162E+00	6.2276E+00	6.2436E+00	6.2598E+00	6.2711E+00	6.2839E+00

TABLE LXXIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2170500
(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.8800E+00	4.1257E-08	5.8223E-07	1.7597E-06	-1.6090E-06	-6.8637E-06	2.2491E-03	2.0600E-02	2.8398E-02	3.4908E-02
2	2.9960E+00	1.2969E-04	3.1518E-04	5.8327E-04	-7.5477E-04	-2.1295E-03	1.2509E-01	1.0245E+00	1.4753E+00	1.7617E+00
3	2.4180E+00	2.5975E-05	4.1447E-05	5.1683E-05	-8.7744E-05	-1.7786E-04	4.7661E-03	1.8736E-02	2.4677E-02	2.7636E-02
4	2.3600E+00	5.5729E-05	7.8023E-05	8.2126E-05	-1.6784E-04	-2.7677E-04	8.2528E-03	4.6559E-02	6.4316E-02	7.4307E-02
5	2.3300E+00	-4.4852E-04	4.0629E-04	2.2613E-03	-2.0692E-03	-7.1683E-03	8.6200E-01	2.6146E+00	5.2814E+00	6.4216E+00
6	2.0100E+00	2.4900E-05	4.3267E-04	1.1666E-03	-1.4722E-03	-3.3036E-03	8.4426E-02	3.8801E-01	5.4307E-01	6.2035E-01
7	1.9800E+00	1.2450E-04	2.5617E-04	3.7557E-04	-6.6244E-04	-9.4873E-04	4.6865E-02	3.2427E-01	4.8876E-01	6.0181E-01
8	1.8600E+00	-3.3536E-03	-9.5672E-04	5.7401E-03	-3.3181E-03	-1.4897E-02	5.8262E-01	8.2541E+00	1.3036E+01	1.6189E+01
9	1.6700E+00	-3.1367E-04	-1.2250E-04	4.4316E-04	-1.9194E-04	-1.1185E-03	4.0772E-02	4.4197E-01	6.8870E-01	8.6857E-01
10	1.6610E+00	-2.4815E-03	-4.7623E-04	4.7374E-03	-3.8104E-03	-1.0560E-02	3.6114E-01	1.8419E+00	2.6744E+00	3.1765E+00
11	1.5560E+00	-2.9951E-04	4.4283E-04	1.7139E-03	-2.3671E-03	-2.6540E-03	1.6868E-01	8.6303E-01	1.2700E+00	1.6171E+00
12	1.5100E+00	-3.9631E-05	4.1901E-04	1.0558E-03	-1.7378E-03	-1.1285E-03	1.3268E-01	9.8362E-01	1.6415E+00	1.9056E+00
13	1.4800E+00	3.3300E-04	2.1155E-03	4.2314E-03	-8.2482E-03	7.6331E-04	6.0460E-01	4.0624E+00	6.3165E+00	7.8031E+00
14	1.3600E+00	2.3361E-05	6.6631E-05	9.8414E-05	-2.3576E-04	1.7470E-04	1.6346E-02	6.1040E-02	8.6448E-02	1.0171E-01
15	1.3570E+00	1.5290E-03	2.2715E-03	1.6999E-03	-6.0073E-03	7.8812E-03	3.6878E-01	1.4302E+00	2.0406E+00	2.4146E+00
16	1.2800E+00	3.0381E-03	3.5484E-03	1.0675E-03	8.3896E-03	2.8043E-02	6.4178E-01	3.1391E+00	5.0300E+00	6.2730E+00
17	1.2880E+00	1.7520E-03	1.9039E-03	1.6680E-04	-4.0646E-03	1.4111E-02	2.6714E-01	1.0586E+00	1.6486E+00	1.8658E+00
18	1.1700E+00	1.8207E-03	2.3124E-03	6.7764E-04	-6.3830E-03	3.4080E-02	6.2621E-01	4.6840E+00	7.7848E+00	9.9862E+00
19	1.1000E+00	1.7396E-03	2.3895E-03	4.4654E-05	-5.8948E-03	5.1743E-02	6.8280E-01	2.6693E+00	3.7763E+00	4.5767E+00
20	1.0300E+00	2.0562E-03	1.8665E-03	-8.0209E-04	-2.8774E-03	3.3022E-02	3.4632E-01	1.2547E+00	1.8547E+00	2.2628E+00
21	8.9800E-01	2.4983E-03	2.0807E-03	-1.2135E-03	-2.4931E-03	3.6118E-02	3.3126E-01	1.0885E+00	1.6687E+00	1.8952E+00
22	9.6900E-01	8.8767E-04	7.1547E-04	-4.6937E-04	-7.2058E-04	1.2628E-02	1.0748E-01	3.8426E-01	5.7609E-01	7.0845E-01
23	9.6800E-01	4.9914E-03	3.8564E-03	-3.0867E-03	-2.7863E-03	7.8438E-02	6.1388E-01	2.2627E+00	3.4289E+00	4.2666E+00
24	9.1200E-01	2.1495E-04	1.6018E-04	-1.4229E-04	-6.1641E-05	3.7243E-03	2.6818E-02	8.1670E-02	1.1762E-01	1.4242E-01
25	9.1800E-01	1.4937E-02	9.8223E-03	-1.1841E-02	1.0146E-02	3.1893E-01	1.8669E+00	5.4808E+00	7.8746E+00	8.7726E+00
26	7.9000E-01	2.3366E-03	1.2943E-03	-2.8121E-03	5.8502E-03	7.6816E-02	3.6453E-01	1.0618E+00	1.6836E+00	1.9758E+00
27	7.7800E-01	1.2105E-03	5.2223E-04	-1.2723E-03	5.8808E-03	6.1264E-02	2.8022E-01	1.1458E+00	1.8892E+00	2.4868E+00
28	7.5500E-01	1.3114E-03	2.4756E-04	-1.6589E-03	1.3082E-02	1.1214E-01	5.0550E-01	1.3254E+00	1.8069E+00	2.3427E+00
29	7.3000E-01	4.8630E-04	2.6538E-05	-5.4575E-04	6.3235E-03	4.8636E-02	2.1170E-01	5.8689E-01	7.6464E-01	9.3708E-01
30	7.2000E-01	1.8932E-03	-5.4977E-04	-8.7550E-04	3.3454E-02	2.2768E-01	9.0901E-01	2.2871E+00	3.2862E+00	4.0705E+00
31	6.8000E-01	3.8985E-05	-3.2455E-04	2.6573E-04	1.0757E-02	6.4881E-02	2.4226E-01	5.7017E-01	8.0166E-01	9.7892E-01
32	6.7000E-01	-1.8860E-02	-1.5751E-02	1.8764E-02	1.2473E-01	5.6800E-01	2.0272E+00	7.7078E+00	1.3249E+01	1.7770E+01
33	6.0800E-01	-3.5635E-03	-6.6682E-03	1.1637E-02	5.3182E-02	2.0274E-01	6.8889E-01	1.8252E+00	2.7317E+00	3.4492E+00
34	5.8800E-01	-1.7576E-02	-1.1089E-02	6.8518E-02	2.2326E-01	7.9381E-01	2.4689E+00	5.8286E+00	8.4626E+00	1.0574E+01
35	5.2000E-01	2.9392E-02	3.1312E-02	5.0207E-02	9.1957E-02	2.2608E-01	5.8844E-01	1.2435E+00	1.7675E+00	2.1950E+00
36	5.0900E-01	4.7083E-03	1.5209E-02	1.1683E-01	3.3532E-01	1.0074E+00	2.6608E+00	5.4984E+00	7.6865E+00	9.4920E+00
37	4.6000E-01	4.5711E-02	6.8598E-02	2.6295E-01	6.2487E-01	1.6035E+00	3.6941E+00	6.7884E+00	9.1192E+00	1.1059E+01
38	4.0600E-01	2.5909E-01	3.2367E-01	7.9381E-01	1.5068E+00	3.1116E+00	6.1370E+00	1.1371E+01	1.6195E+01	2.0411E+01
39	3.4000E-01	2.4112E-02	2.8244E-02	5.6968E-02	9.7351E-02	1.8127E-01	3.3159E-01	5.6849E-01	7.4728E-01	9.0539E-01
40	3.3700E-01	5.1414E-01	5.7463E-01	9.8854E-01	1.5545E+00	2.6913E+00	4.6535E+00	7.4675E+00	9.6906E+00	1.1555E+01
41	3.0000E-01	1.6834E+00	1.7750E+00	2.3841E+00	3.1743E+00	4.6738E+00	7.1876E+00	1.1058E+01	1.4474E+01	1.7444E+01
42	2.5600E-01	7.0196E+00	7.0841E+00	7.5486E+00	8.2506E+00	9.8825E+00	1.3192E+01	1.8305E+01	2.2578E+01	2.6307E+01
43	2.0000E-01	5.0692E+00	5.1063E+01	5.3738E+01	5.7744E+01	6.6590E+01	8.2115E+01	1.0058E+02	1.1366E+02	1.2491E+02
44	1.0000E-01	8.9565E+00	9.0074E+01	9.3639E+01	9.8637E+01	1.0852E+02	1.2288E+02	1.3578E+02	1.4266E+02	1.4739E+02
45	5.0000E-02	5.0858E+00	5.0857E+00	5.0852E+00	5.0854E+00	5.0882E+00	5.0866E+00	5.1085E+00	5.1178E+00	5.1266E+00

TABLE LXXIV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2220100

(4π photons/cm² sec ster)

199

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	3.4800E-04	3.8728E-04	-5.1525E-05	-5.8919E-04	3.8124E-04	0.1392	0.3148	0.3629	0.3891
3	2.410	3.7184E-05	4.0517E-05	-6.7347E-06	-6.0337E-05	5.5489E-05	2.0977E-03	3.4929E-03	3.6207E-03	3.4903E-03
4	2.380	6.3534E-05	6.8458E-05	-1.2430E-05	-1.0123E-04	1.0392E-04	3.4973E-03	5.8290E-03	6.0508E-03	5.8391E-03
5	2.330	4.4890E-04	4.5976E-04	-1.1988E-04	-6.5288E-04	1.0805E-03	2.2542E-02	3.7720E-02	3.9453E-02	3.8313E-02
6	2.010	1.6786E-04	1.6277E-04	-5.7286E-05	-2.1755E-04	5.6635E-04	8.1964E-03	1.4099E-02	1.5024E-02	1.4838E-02
7	1.900	6.2212E-05	5.9176E-05	-2.2954E-05	-7.6830E-05	2.3659E-04	3.2073E-03	5.7371E-03	6.2122E-03	6.2294E-03
8	1.860	2.9985E-04	2.7675E-04	-1.2389E-04	-3.3733E-04	1.3964E-03	1.6063E-02	2.9237E-02	3.2000E-02	3.2393E-02
9	1.670	1.4206E-05	1.2759E-05	-6.4338E-06	-1.4431E-05	7.8538E-05	1.0858E-03	2.3549E-03	2.7050E-03	2.8565E-03
10	1.661	1.7550E-04	1.6257E-04	-7.6657E-05	-1.8459E-04	1.0155E-03	2.7576E-02	7.2364E-02	8.6283E-02	9.3850E-02
11	1.556	8.1227E-05	7.6508E-05	-3.5362E-05	-8.4368E-05	5.1604E-04	6.2228E-03	1.2600E-02	1.4211E-02	1.4730E-02
12	1.510	5.3307E-05	4.9837E-05	-2.3968E-05	-5.2490E-05	3.6552E-04	5.9995E-03	1.4417E-02	1.6326E-02	1.8148E-02
13	1.480	2.1017E-04	1.9100E-04	-1.0321E-04	-1.7074E-04	1.7399E-03	1.6230E-02	3.1316E-02	3.5119E-02	3.6200E-02
14	1.360	5.0810E-06	4.4686E-06	-2.7115E-06	-3.1484E-06	4.9758E-05	4.1341E-04	7.9264E-04	8.9199E-04	9.2239E-04
15	1.357	1.0913E-04	9.3420E-05	-6.1635E-05	-4.9595E-05	1.2057E-03	8.5367E-03	1.5073E-02	1.6672E-02	1.6991E-02
16	1.290	1.1813E-04	9.4297E-05	-7.5468E-05	-4.5738E-05	1.7503E-03	1.1851E-02	2.2739E-02	2.5890E-02	2.7068E-02
17	1.208	4.6825E-05	3.4265E-05	-3.3379E-05	-3.4756E-05	9.2951E-04	5.2202E-03	9.1632E-03	1.0299E-02	1.0650E-02
18	1.170	6.7769E-05	4.2511E-05	-5.5151E-05	1.3540E-04	1.9466E-03	1.0591E-02	1.9889E-02	2.2047E-02	2.4111E-02
19	1.100	3.7489E-05	1.1574E-05	-3.9268E-05	2.4963E-04	2.3013E-03	1.2225E-02	2.5071E-02	2.9542E-02	3.1809E-02
20	1.030	4.8515E-06	-6.3851E-06	-9.7233E-06	1.6223E-04	1.1916E-03	5.1568E-03	9.0826E-03	1.0446E-02	1.1077E-02
21	0.9980	-3.2735E-06	-1.3211E-05	-2.7417E-06	1.7938E-04	1.1676E-03	5.0897E-03	9.3483E-03	1.0935E-02	1.1749E-02
22	0.9630	-2.8752E-06	-3.4933E-06	2.5250E-06	5.6119E-05	3.7302E-04	2.0230E-02	8.4242E-02	0.1093	0.1251
23	0.9600	-2.3427E-05	-1.4937E-05	3.2623E-05	3.2183E-04	2.1514E-03	1.2752E-02	2.6234E-02	3.0567E-02	3.2390E-02
24	0.9120	-1.4222E-06	-3.7927E-07	2.3255E-06	1.3891E-05	9.5143E-05	2.1790E-02	9.8321E-02	0.1290	0.1485
25	0.9100	-8.0700E-05	1.9792E-05	2.3765E-04	1.1183E-03	7.4509E-03	5.7532E-02	0.1417	0.1710	0.1853
26	0.7500	-1.2933E-05	2.4243E-06	6.1019E-05	2.6323E-04	1.6644E-03	1.1624E-02	3.0684E-02	3.7919E-02	4.1886E-02
27	0.7700	-1.0357E-05	1.1932E-06	5.2620E-05	2.4479E-04	1.3508E-03	8.1154E-03	1.9024E-02	2.3060E-02	2.5141E-02
28	0.7550	-1.7559E-05	-6.1614E-07	1.0258E-04	4.7437E-04	2.4749E-03	1.2370E-02	2.4260E-02	2.8442E-02	3.0324E-02
29	0.7300	-8.7397E-06	-6.0767E-07	4.8904E-05	2.1261E-04	1.0672E-03	1.1733E-02	4.5595E-02	5.9903E-02	6.8883E-02
30	0.7200	-3.7935E-05	-1.5288E-06	2.4685E-04	1.0166E-03	4.8184E-03	2.3080E-02	4.6242E-02	5.4761E-02	5.8860E-02
31	0.6800	-8.8773E-06	-4.5623E-07	7.5552E-05	3.0570E-04	1.3606E-03	5.9911E-03	1.1883E-02	1.4164E-02	1.5341E-02
32	0.6700	-6.1002E-05	2.3384E-06	7.9018E-04	2.9666E-03	1.1725E-02	4.4285E-02	8.3798E-02	0.1003	0.1096
33	0.6000	-2.5223E-05	1.1116E-05	3.5524E-04	1.1617E-03	4.1116E-03	2.5838E-02	9.9053E-02	0.1327	0.1546
34	0.5800	4.3556E-06	1.0353E-04	1.6269E-03	4.7569E-03	1.5452E-02	5.3149E-02	0.1038	0.1261	0.1393
35	0.5200	1.3389E-03	1.5360E-03	2.0567E-03	3.0264E-03	5.8567E-03	1.6926E-02	4.3580E-02	5.6572E-02	6.5186E-02
36	0.5090	4.8048E-04	7.0079E-04	2.8015E-03	6.7998E-03	1.8806E-02	5.5010E-02	0.1074	0.1329	0.1495
37	0.4600	1.4093E-03	2.0042E-03	5.4303E-03	1.1716E-02	2.8523E-02	7.0396E-02	0.1242	0.1527	0.1727
38	0.4060	5.4758E-03	7.0993E-03	1.4109E-02	2.5625E-02	5.2665E-02	0.1070	0.1686	0.2041	0.2309
39	0.3400	4.3720E-04	5.5047E-04	9.6247E-04	1.5950E-03	2.9807E-03	7.2960E-03	2.6018E-02	3.6755E-02	4.4436E-02
40	0.3370	8.3247E-03	1.0210E-02	1.6131E-02	2.4872E-02	4.3429E-02	8.0505E-02	0.1326	0.1617	0.1826
41	0.3000	2.3627E-02	2.7580E-02	3.6440E-02	4.8872E-02	7.3967E-02	0.1222	0.1048	0.2198	0.2449
42	0.2560	8.6064E-02	9.6405E-02	0.1060	0.1242	0.1579	0.2366	0.3981	0.4927	0.5599
43	0.2000	0.6080	0.6770	0.7455	0.8384	1.011	1.299	1.569	1.770	1.912
44	0.1000	0.9618	1.039	1.110	1.155	1.324	1.458	1.470	1.451	1.432
45	5.0000E-02	5.1121E-02	5.4038E-02	5.5443E-02	5.6868E-02	5.8380E-02	5.9842E-02	6.0959E-02	6.1218E-02	6.0214E-02

TABLE LXXV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2220200

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	3.0097E-04	3.4365E-04	-3.2380E-05	-5.2981E-04	2.5355E-04	0.1194	0.2968	0.3477	0.3756
3	2.410	3.2348E-05	3.6095E-05	-4.6467E-06	-5.4558E-05	4.0737E-05	1.9348E-03	3.4066E-03	3.5797E-03	3.4739E-03
4	2.380	5.5627E-05	6.1175E-05	-9.0223E-06	-9.1772E-05	7.8522E-05	3.2274E-03	5.6848E-03	5.9819E-03	5.8112E-03
5	2.330	4.0036E-04	4.1695E-04	-9.6705E-05	-6.0093E-04	8.8330E-04	2.0855E-02	3.6785E-02	3.9000E-02	3.8120E-02
6	2.010	1.5240E-04	1.4969E-04	-4.9301E-05	-2.0389E-04	4.8404E-04	7.5738E-03	1.3707E-02	1.4801E-02	1.4715E-02
7	1.900	5.6762E-05	5.4700E-05	-2.0025E-05	-7.2557E-05	2.0437E-04	2.9464E-03	5.5526E-03	6.0935E-03	6.1502E-03
8	1.660	2.7584E-04	2.5773E-04	-1.1026E-04	-3.2292E-04	1.2232E-03	1.4740E-02	2.8242E-02	3.1331E-02	3.1925E-02
9	1.670	1.3159E-05	1.1961E-05	-5.8114E-06	-1.4026E-05	6.9424E-05	9.6333E-04	2.2331E-03	2.6056E-03	2.7722E-03
10	1.661	1.6066E-04	1.5059E-04	-6.8493E-05	-1.7720E-04	8.9493E-04	2.3336E-02	6.7462E-02	8.1993E-02	8.9998E-02
11	1.556	7.3672E-05	7.0290E-05	-3.1396E-05	-8.0591E-05	4.5472E-04	5.5951E-03	1.2034E-02	1.3787E-02	1.4403E-02
12	1.510	4.8402E-05	4.5832E-05	-2.1395E-05	-5.0442E-05	3.2296E-04	5.2068E-03	1.3541E-02	1.6187E-02	1.7507E-02
13	1.480	1.9202E-04	1.7665E-04	-9.3398E-05	-1.6827E-04	1.5476E-03	1.4758E-02	3.0057E-02	3.4228E-02	3.5562E-02
14	1.360	4.6765E-06	4.1627E-06	-2.4841E-06	-3.2397E-06	4.4489E-05	3.7694E-04	7.6110E-04	8.6563E-04	9.0643E-04
15	1.357	1.0108E-04	8.7574E-05	-5.6992E-05	-5.4277E-05	1.0316E-03	7.8967E-03	1.4607E-02	1.6392E-02	1.6839E-02
16	1.290	1.1084E-04	8.9732E-05	-7.1160E-05	-9.1074E-06	1.5800E-03	1.0341E-02	2.1818E-02	2.5216E-02	2.6575E-02
17	1.208	4.4573E-05	3.3237E-05	-3.2080E-05	2.4958E-05	8.4290E-04	4.8491E-03	8.8777E-03	1.0109E-02	1.0546E-02
18	1.170	6.5890E-05	4.2734E-05	-5.4379E-05	1.0999E-04	1.7725E-03	9.7534E-03	1.9110E-02	2.2272E-02	2.3694E-02
19	1.100	3.8537E-05	1.4333E-05	-4.1193E-05	2.1409E-04	2.1050E-03	1.1122E-02	2.3845E-02	2.8542E-02	3.0995E-02
20	1.030	6.4378E-06	4.3378E-06	-1.1787E-05	1.4187E-04	1.0934E-03	4.8037E-03	8.7792E-03	1.0236E-02	1.0942E-02
21	0.9980	-1.1184E-06	-1.0741E-05	-5.4367E-06	1.5318E-04	1.0736E-03	4.6341E-03	8.9715E-03	1.0645E-02	1.1532E-02
22	0.9690	-2.9326E-06	-3.5906E-06	1.6951E-06	5.0571E-05	3.4185E-04	1.5502E-02	7.5824E-02	0.1012	0.1174
23	0.9600	-2.7164E-05	-1.9596E-05	2.8002E-05	2.9508E-04	1.9653E-03	1.1489E-02	2.4956E-02	2.9633E-02	3.1739E-02
24	0.9120	-1.7783E-06	-8.1761E-07	2.1399E-06	1.3019E-05	8.6571E-05	1.0328E-02	8.0045E-02	0.1189	0.1389
25	0.9100	-1.1452E-04	-2.3972E-05	2.2307E-04	1.0519E-03	6.7551E-03	5.0203E-02	0.1324	0.1633	0.1791
26	0.7900	-1.7796E-05	-3.6002E-06	5.6342E-05	2.6773E-04	1.5123E-03	1.0076E-02	2.8438E-02	3.5944E-02	4.0181E-02
27	0.7700	-1.3794E-05	-3.2499E-06	4.8430E-05	2.2604E-04	1.2283E-03	7.1736E-03	1.7817E-02	2.2058E-02	2.4332E-02
28	0.7550	-2.2261E-05	-6.1691E-06	9.3960E-05	4.3616E-04	2.2538E-03	1.1210E-02	2.3135E-02	2.7651E-02	2.9825E-02
29	0.7300	-1.0724E-05	-3.0615E-06	4.4806E-05	1.9575E-04	9.7222E-04	9.4317E-03	4.1009E-02	5.5420E-02	6.4625E-02
30	0.7200	-4.5378E-05	-1.1241E-05	2.2596E-04	9.3513E-04	4.3942E-03	2.0868E-02	4.3950E-02	5.3079E-02	5.7727E-02
31	0.6600	-1.0057E-05	-2.1856E-06	6.3657E-05	2.6015E-04	1.2432E-03	5.4364E-03	1.1292E-02	1.3715E-02	1.5026E-02
32	0.6700	-6.0673E-05	-2.9617E-06	7.1789E-04	2.7123E-03	1.0757E-02	4.0552E-02	7.9869E-02	9.7265E-02	0.1074
33	0.6000	-2.5730E-05	7.1374E-06	3.2431E-04	1.0676E-03	3.7826E-03	2.1242E-02	8.8698E-02	0.1223	0.1446
34	0.5800	-5.3705E-06	1.5772E-04	1.4918E-03	4.3842E-03	1.4245E-02	4.8453E-02	9.8252E-02	0.1216	0.1358
35	0.5200	1.2679E-03	1.4504E-03	1.9325E-03	2.9304E-03	5.4475E-03	1.4977E-02	3.9787E-02	5.2797E-02	6.1606E-02
36	0.5090	4.4647E-04	7.2049E-04	2.5064E-03	6.2501E-03	1.7424E-02	5.0356E-02	0.1011	0.1273	0.1447
37	0.4600	1.3161E-03	1.8807E-03	5.0310E-03	1.0872E-02	2.6641E-02	6.5263E-02	0.1176	0.1466	0.1674
38	0.4060	5.1095E-03	6.6020E-03	1.3149E-02	2.3931E-02	4.9352E-02	0.1003	0.1605	0.1962	0.2235
39	0.3400	4.0777E-04	5.1215E-04	8.9970E-04	1.4951E-03	2.8006E-03	6.3436E-03	2.2869E-02	3.3237E-02	4.0924E-02
40	0.3370	7.7779E-03	9.5198E-03	1.5119E-02	2.3375E-02	4.0860E-02	7.5040E-02	0.1245	0.1535	0.1748
41	0.3000	2.2220E-02	2.5893E-02	3.4306E-02	4.6874E-02	6.9702E-02	0.1142	0.1738	0.2087	0.2340
42	0.2560	6.1417E-02	9.1083E-02	0.1020	0.1172	0.1483	0.2204	0.3667	0.4596	0.5274
43	0.2000	0.5757	0.6409	0.7056	0.7934	0.9569	1.229	1.515	1.697	1.841
44	0.1000	0.9236	0.9992	1.068	1.152	1.281	1.421	1.455	1.447	1.434
45	5.0000E-02	4.9493E-02	5.2451E-02	5.3869E-02	5.5316E-02	5.6853E-02	5.8374E-02	5.9668E-02	6.0417E-02	6.0305E-02

TABLE LXXVI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2220300

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	2.5704E-04	3.0274E-04	-1.5142E-05	-4.7535E-04	1.4086E-04	0.1025	0.2798	0.3331	0.3626
3	2.410	2.7956E-05	3.2024E-05	-2.9040E-06	-4.9175E-05	2.8086E-05	1.7802E-03	3.3158E-03	3.5340E-03	3.4551E-03
4	2.380	4.8222E-05	5.4457E-05	-6.0779E-06	-8.3023E-05	5.6493E-05	2.9710E-03	5.5333E-03	5.9053E-03	5.7794E-03
5	2.330	3.5456E-04	3.7631E-04	-7.6642E-05	-5.5152E-04	7.1663E-04	1.9252E-02	3.5804E-02	3.8492E-02	3.7901E-02
6	2.010	1.3769E-04	1.3730E-04	-4.2109E-05	-1.3053E-04	4.1285E-04	6.9896E-03	1.3306E-02	1.4565E-02	1.4583E-02
7	1.900	5.1638E-05	5.6425E-05	-1.7393E-05	-6.8365E-05	1.7638E-04	2.7055E-03	5.3674E-03	5.9716E-03	6.0692E-03
8	1.860	2.5307E-04	2.3936E-04	-9.7812E-05	-3.0770E-04	1.0717E-03	1.3531E-02	2.7250E-02	3.0649E-02	3.1450E-02
9	1.670	1.2156E-05	1.1180E-05	-5.2290E-06	-1.3544E-05	6.1413E-05	8.5781E-04	2.1172E-03	2.5095E-03	2.6904E-03
10	1.661	1.4647E-04	1.3900E-04	-6.0946E-05	-1.6921E-04	7.8968E-04	1.9634E-02	6.2699E-02	7.7920E-02	8.6313E-02
11	1.556	6.6556E-05	6.4337E-05	-2.7814E-05	-7.6590E-05	4.0141E-04	5.0410E-03	1.1485E-02	1.3369E-02	1.4079E-02
12	1.510	4.3818E-05	4.1990E-05	-1.9029E-05	-4.8173E-05	2.8592E-04	4.5397E-03	1.2719E-02	1.5479E-02	1.6889E-02
13	1.480	1.7460E-04	1.6277E-04	-8.4320E-05	-1.6413E-04	1.3795E-03	1.3438E-02	2.8819E-02	3.3331E-02	3.4916E-02
14	1.360	4.2894E-06	3.8632E-06	-2.2715E-06	-3.2710E-06	3.9666E-05	3.4417E-04	7.3009E-04	8.4709E-04	8.9024E-04
15	1.357	9.3294E-05	8.1782E-05	-5.2577E-05	-5.7304E-05	9.7251E-04	7.3021E-03	1.4132E-02	1.6093E-02	1.6671E-02
16	1.290	1.0367E-04	8.5021E-05	-6.6863E-05	-1.3456E-05	1.4295E-03	9.9352E-03	2.0916E-02	2.4540E-02	2.6075E-02
17	1.208	4.2259E-05	3.2046E-05	-3.0679E-05	1.6637E-05	7.6600E-04	4.5040E-03	8.5876E-03	9.9175E-03	1.0432E-02
18	1.170	6.3704E-05	4.2493E-05	-5.3171E-05	8.8750E-05	1.6173E-03	8.9984E-03	1.8345E-02	2.1693E-02	2.3266E-02
19	1.100	3.9090E-05	1.6496E-05	-4.2330E-05	1.0358E-04	1.9296E-03	1.0160E-02	2.2674E-02	2.7564E-02	3.0189E-02
20	1.030	7.7318E-06	-2.5897E-06	-1.3345E-05	1.2419E-04	1.0054E-03	4.4778E-03	8.4748E-03	1.0017E-02	1.0795E-02
21	0.9980	5.8273E-07	-8.5202E-06	-7.5711E-06	1.3366E-04	9.3917E-04	4.2962E-03	8.6040E-03	1.0353E-02	1.1308E-02
22	0.9690	-2.9455E-06	-3.6357E-06	9.6382E-07	4.5672E-05	3.1421E-04	1.1926E-02	6.8254E-02	9.3677E-02	0.1101
23	0.9600	-3.0052E-05	-2.3337E-05	2.3889E-05	2.7121E-04	1.8020E-03	1.0385E-02	2.3714E-02	2.8691E-02	3.1068E-02
24	0.9120	-2.0621E-06	-1.1787E-06	1.9633E-06	1.2226E-05	7.9141E-05	1.2247E-02	7.8844E-02	0.1037	0.1299
25	0.9100	-1.4228E-04	-5.7601E-05	2.0904E-04	9.9259E-04	6.1565E-03	4.4077E-02	0.1236	0.1558	0.1729
26	0.7900	-2.1821E-05	-8.6581E-06	5.2084E-05	2.4885E-04	1.3807E-03	8.8063E-03	2.6356E-02	3.4059E-02	3.8534E-02
27	0.7700	-1.6644E-05	-6.7302E-06	4.4650E-05	2.0563E-04	1.1221E-03	6.3780E-03	1.6676E-02	2.1882E-02	2.3530E-02
28	0.7550	-2.6155E-05	-1.1032E-05	8.6089E-05	4.0279E-04	2.0615E-03	1.0180E-02	2.2021E-02	2.6828E-02	2.9277E-02
29	0.7300	-1.2350E-05	-5.1860E-06	4.1153E-05	1.0099E-04	8.8966E-04	7.6885E-03	3.6905E-02	5.1281E-02	6.0638E-02
30	0.7200	-5.1465E-05	-1.9649E-05	2.0741E-04	8.6378E-04	4.0248E-03	1.8917E-02	4.1703E-02	5.1348E-02	5.6509E-02
31	0.6600	-1.1023E-05	-3.7064E-06	6.2565E-05	2.5791E-04	1.1406E-03	4.9463E-03	1.0715E-02	1.3257E-02	1.4689E-02
32	0.6700	-6.0213E-05	-7.3498E-06	6.5461E-04	2.4094E-03	9.9027E-03	3.7214E-02	7.6007E-02	9.4137E-02	0.1051
33	0.6000	-2.5862E-05	3.6980E-06	2.9700E-04	9.0431E-04	3.4920E-03	1.7767E-02	7.9506E-02	0.1127	0.1352
34	0.5600	-1.2001E-05	1.3586E-04	1.3722E-03	4.0532E-03	1.3176E-02	4.4324E-02	9.2907E-02	0.1170	0.1322
35	0.5200	1.2019E-03	1.3714E-03	1.8188E-03	2.6524E-03	5.0795E-03	1.3404E-02	3.6367E-02	4.9280E-02	5.8211E-02
36	0.5050	4.1623E-04	6.5703E-04	2.3945E-03	5.8347E-03	1.6190E-02	4.6287E-02	9.5193E-02	0.1218	0.1399
37	0.4600	1.2317E-03	1.7320E-03	4.6731E-03	1.0114E-02	2.4856E-02	6.0658E-02	0.1113	0.1406	0.1619
38	0.4050	4.7764E-03	6.1543E-03	1.2281E-02	2.2390E-02	4.6300E-02	9.4168E-02	0.1525	0.1883	0.2159
39	0.3400	3.8101E-04	4.7754E-04	8.4255E-04	1.4036E-03	2.6347E-03	5.6371E-03	2.0159E-02	3.0084E-02	3.7520E-02
40	0.3370	7.2794E-03	8.9937E-03	1.4193E-02	2.1597E-02	3.9486E-02	7.0147E-02	0.1169	0.1457	0.1671
41	0.3000	2.0924E-02	2.4343E-02	3.2335E-02	4.3479E-02	6.5726E-02	0.1069	0.1634	0.1979	0.2234
42	0.2560	7.7069E-02	8.6116E-02	9.6391E-02	0.1106	0.1395	0.2045	0.3362	0.4288	0.4966
43	0.2000	0.5452	0.6068	0.6679	0.7508	0.9054	1.164	1.443	1.625	1.771
44	0.1000	0.8662	0.9600	1.027	1.110	1.237	1.382	1.435	1.437	1.431
45	5.0000E-02	4.7857E-02	5.0835E-02	5.2257E-02	5.3713E-02	5.5259E-02	5.6814E-02	5.8215E-02	5.9255E-02	5.9720E-02

TABLE LXXVII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2220400

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0	0	0	0	0	0	0	0	0
2	2.996	1.4698E-04	1.9871E-04	2.2726E-05	-3.3670E-04	-7.6414E-05	6.5104E-02	0.2345	0.2929	0.3262
3	2.410	1.6654E-05	2.1464E-05	1.1311E-06	-3.5437E-05	1.9894E-06	1.3722E-03	3.0288E-03	3.3755E-03	3.3847E-03
4	2.380	2.9380E-05	3.6959E-05	7.9402E-07	-6.0449E-05	1.1040E-05	2.2946E-03	5.0544E-03	5.6398E-03	5.6605E-03
5	2.330	2.3651E-04	2.6984E-04	-2.9227E-05	-4.2046E-04	3.4899E-04	1.5020E-02	3.2712E-02	3.6740E-02	3.7883E-02
6	2.010	9.8630E-05	1.0356E-04	-2.4349E-05	-1.5293E-04	2.5188E-04	5.4714E-03	1.2075E-02	1.3794E-02	1.4141E-02
7	1.900	3.7801E-05	3.8668E-05	-1.0826E-05	-5.5657E-05	1.1248E-04	2.0971E-03	4.8185E-03	5.5936E-03	5.8172E-03
8	1.660	1.9076E-04	1.8793E-04	-6.6345E-05	-2.6016E-04	7.2101E-04	1.0500E-02	2.4352E-02	2.8573E-02	2.9597E-02
9	1.670	9.3787E-06	8.9536E-06	-3.7379E-06	-1.1942E-05	4.2689E-05	6.1874E-04	1.8038E-03	2.2410E-03	2.4601E-03
10	1.661	1.0858E-04	1.0723E-04	-4.2060E-05	-1.4359E-04	5.4645E-04	1.2531E-02	5.1833E-02	6.6910E-02	7.6196E-02
11	1.556	4.7861E-05	4.8361E-05	-1.8849E-05	-6.4047E-05	2.7900E-04	3.7360E-03	9.9527E-03	1.2153E-02	1.3131E-02
12	1.510	3.1609E-05	3.1652E-05	-1.3143E-05	-4.0760E-05	2.0062E-04	3.0950E-03	1.0542E-02	1.3535E-02	1.5171E-02
13	1.480	1.2896E-04	1.2474E-04	-6.1054E-05	-1.4572E-04	9.6939E-04	1.0241E-02	2.5286E-02	3.0646E-02	3.2950E-02
14	1.360	3.2428E-05	3.0248E-06	-1.7139E-06	-3.1195E-06	2.9056E-05	2.6453E-04	6.4149E-04	7.7945E-04	8.4066E-04
15	1.357	7.1913E-05	6.5205E-05	-4.0719E-05	-5.9359E-05	7.1594E-04	5.7817E-03	1.2697E-02	1.5118E-02	1.6078E-02
16	1.290	8.3131E-05	7.0568E-05	-5.4611E-05	-3.7760E-05	1.0720E-03	7.7360E-03	1.8357E-02	2.2526E-02	2.4551E-02
17	1.208	3.5269E-05	2.7847E-05	-2.6235E-05	-2.8047E-07	5.8208E-04	3.6191E-03	7.7163E-03	9.2977E-03	1.0031E-02
18	1.170	5.6056E-05	3.9766E-05	-4.8008E-05	4.3126E-05	1.2436E-03	7.1444E-03	1.6167E-02	1.9954E-02	2.1941E-02
19	1.100	3.8591E-05	2.0171E-05	-4.2520E-05	1.1533E-04	1.5039E-03	7.9190E-03	1.9485E-02	2.4779E-02	2.7841E-02
20	1.030	1.0250E-05	1.3150E-06	-1.5835E-05	8.3772E-05	7.9078E-04	3.6481E-03	7.5782E-03	9.3240E-03	1.0298E-02
21	0.9380	4.6797E-06	-3.5159E-06	-1.1505E-05	9.6860E-05	7.8250E-04	3.4670E-03	7.5668E-03	9.4845E-03	1.0616E-02
22	0.9690	-2.8026E-06	-3.5604E-06	-5.4422E-07	3.4061E-05	2.4777E-04	5.6083E-03	4.9844E-02	7.4349E-02	9.0986E-02
23	0.9600	-3.4727E-05	-3.0258E-05	1.4255E-05	2.1345E-04	1.4161E-03	7.8293E-03	2.0255E-02	2.5692E-02	2.8964E-02
24	0.9120	-2.5689E-06	-1.8918E-06	1.4979E-06	1.0214E-05	6.1915E-05	5.2165E-03	5.6649E-02	8.6065E-02	0.1063
25	0.9100	-1.9585E-04	-1.2775E-04	1.7089E-04	8.4467E-04	4.7855E-03	3.0930E-02	0.1005	0.1350	0.1553
26	0.7500	-2.9755E-05	-1.9055E-05	4.1472E-05	2.0403E-04	1.0764E-03	6.1536E-03	2.1009E-02	2.8939E-02	3.3932E-02
27	0.7700	-2.2233E-05	-1.4188E-05	3.5353E-05	1.7071E-04	8.7612E-04	4.6329E-03	1.3652E-02	1.8336E-02	2.1195E-02
28	0.7550	-3.3789E-05	-2.1551E-05	6.7362E-05	3.2412E-04	1.6136E-03	7.7403E-03	1.8843E-02	2.4264E-02	2.7414E-02
29	0.7300	-1.5438E-05	-9.7042E-06	3.2314E-05	1.4604E-04	6.9734E-04	4.5422E-03	2.7009E-02	4.0689E-02	5.0140E-02
30	0.7200	-6.2749E-05	-3.7476E-05	1.6275E-04	6.9466E-04	1.6209E-03	1.4349E-02	3.5384E-02	4.6063E-02	5.2492E-02
31	0.6800	-1.2771E-05	-7.0024E-06	4.8977E-05	2.0512E-04	8.9303E-04	3.7924E-03	9.0968E-03	1.1669E-02	1.3597E-02
32	0.6700	-5.7591E-05	-1.7262E-05	5.0576E-04	1.9626E-03	7.8671E-03	2.9176E-02	6.5082E-02	8.4577E-02	9.7349E-02
33	0.6000	-2.4626E-05	-2.7626E-06	2.3169E-04	7.6432E-04	2.7952E-03	1.1537E-02	5.7671E-02	8.8496E-02	0.1107
34	0.5800	-2.2450E-05	8.8835E-05	1.0842E-03	3.2523E-03	1.0602E-02	3.4614E-02	7.8170E-02	0.1035	0.1207
35	0.5200	1.0298E-03	1.1669E-03	1.5290E-03	2.2056E-03	4.1708E-03	1.0123E-02	2.7991E-02	4.0131E-02	4.9077E-02
36	0.5090	3.4294E-04	5.3836E-04	1.9271E-03	4.7219E-03	1.3166E-02	3.6710E-02	7.9234E-02	0.1059	0.1253
37	0.4600	1.0196E-03	1.4150E-03	3.7940E-03	8.2439E-03	2.0408E-02	4.9350E-02	9.4083E-02	0.1231	0.1452
38	0.4060	3.9362E-03	5.0402E-03	1.0111E-02	1.8515E-02	3.8526E-02	7.8351E-02	0.1305	0.1651	0.1929
39	0.3400	3.1370E-04	3.9133E-04	6.9840E-04	1.1704E-03	2.2071E-03	4.3110E-03	1.4663E-02	2.2450E-02	2.9211E-02
40	0.3370	6.0194E-03	7.3243E-03	1.1835E-02	1.8452E-02	3.2342E-02	5.6020E-02	9.6955E-02	0.1239	0.1451
41	0.3000	1.7584E-02	2.0577E-02	2.7242E-02	3.6727E-02	5.5364E-02	8.8588E-02	0.1359	0.1683	0.1934
42	0.2560	6.5601E-02	7.3070E-02	8.1621E-02	9.3323E-02	0.1167	0.1662	0.2676	0.3486	0.4137
43	0.2000	0.4634	0.5154	0.5669	0.6369	0.7678	0.9678	1.242	1.419	1.566
44	0.1000	0.7803	0.8481	0.9101	0.9869	1.108	1.258	1.349	1.381	1.395
45	5.0000E-02	4.2989E-02	4.5934E-02	4.7324E-02	4.8756E-02	5.0274E-02	5.1840E-02	5.3363E-02	5.4758E-02	5.5974E-02

TABLE LXXVIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2220500
(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	1.6115E-05	7.1932E-05	5.8135E-05	-1.6942E-04	-2.2220E-04	3.0937E-02	0.1744	0.2362	0.2735
3	2.410	3.1814E-06	8.5339E-06	5.0123E-06	-1.0690E-05	-1.6623E-05	8.7188E-04	2.5441E-03	3.0662E-03	3.2229E-03
4	2.380	6.9182E-06	1.5485E-05	7.5286E-06	-3.2580E-05	-2.3067E-05	1.4644E-03	4.2463E-03	5.1222E-03	5.3982E-03
5	2.330	8.9305E-06	1.3352E-04	2.0548E-05	-2.5027E-04	2.5513E-05	9.7984E-03	2.7506E-02	3.3942E-02	3.5239E-02
6	2.010	4.6378E-05	5.8535E-05	-4.8085E-06	-9.3812E-05	9.9282E-05	3.6271E-03	1.0073E-02	1.2389E-02	1.3270E-02
7	1.900	1.9657E-05	2.2714E-05	-3.3962E-06	-3.7634E-05	5.8444E-05	1.3819E-03	3.9643E-03	4.9509E-03	5.3707E-03
8	1.860	1.0717E-04	1.1617E-04	-2.0922E-05	-1.0401E-04	3.6946E-04	6.9807E-03	1.9922E-02	2.5124E-02	2.7493E-02
9	1.670	5.5716E-06	5.7611E-06	-1.9110E-06	-8.7589E-06	2.3483E-05	3.8176E-04	1.3802E-03	1.8521E-03	2.1185E-03
10	1.661	5.8790E-05	6.4222E-05	-1.9691E-05	-1.0153E-04	3.0126E-04	6.4289E-03	3.6116E-02	5.1948E-02	6.1976E-02
11	1.556	2.3964E-05	2.7319E-05	-9.4536E-06	-4.4263E-05	1.5657E-04	2.3648E-03	7.7811E-03	1.0284E-02	1.1620E-02
12	1.510	1.6020E-05	1.7995E-05	-6.2240E-06	-2.8416E-05	1.1476E-04	1.7818E-03	7.7220E-03	1.0812E-02	1.2686E-02
13	1.480	6.9328E-05	7.3695E-05	-3.2711E-05	-1.0724E-04	5.8927E-04	6.7276E-03	2.0114E-02	2.6332E-02	2.9622E-02
14	1.360	1.8516E-06	1.8655E-06	-1.0031E-06	-2.4663E-06	1.7789E-05	1.7621E-04	5.1143E-04	6.7038E-04	7.5617E-04
15	1.357	4.2920E-05	4.1619E-05	-2.5132E-05	-5.0399E-05	4.4562E-04	3.9740E-03	1.0425E-02	1.3364E-02	1.4874E-02
16	1.290	5.3867E-05	4.8200E-05	-3.6963E-05	-4.3589E-05	6.8768E-04	5.2800E-03	1.4636E-02	1.9311E-02	2.1980E-02
17	1.208	2.4585E-05	2.0455E-05	-1.9025E-05	-1.0271E-05	3.8132E-04	2.5541E-03	6.3458E-03	8.1946E-03	9.2301E-03
18	1.170	4.2540E-05	3.2227E-05	-3.7361E-05	5.3584E-06	8.2987E-04	5.0231E-03	1.2982E-02	1.7153E-02	1.9663E-02
19	1.100	3.4080E-05	2.8997E-05	-3.7052E-05	5.1604E-05	1.0253E-03	5.5228E-03	1.5148E-02	2.0636E-02	2.4173E-02
20	1.030	1.1696E-05	4.8634E-06	-1.5756E-05	4.3884E-05	5.4683E-04	2.6489E-03	6.2035E-03	8.1317E-03	9.3490E-03
21	0.9980	8.2587E-06	1.5394E-06	-1.3140E-05	5.3520E-05	5.4576E-04	2.5091E-03	6.0593E-03	8.1011E-03	9.4344E-03
22	0.9690	-2.1730E-06	-2.9614E-06	-1.6294E-06	2.1576E-05	1.7331E-04	1.8794E-03	2.9568E-02	5.0595E-02	6.6177E-02
23	0.9600	-3.3865E-05	-3.2106E-05	4.7409E-06	1.4777E-04	9.9218E-04	5.2099E-03	1.5447E-02	2.1461E-02	2.5316E-02
24	0.9120	-2.6709E-06	-2.2550E-06	9.3675E-07	7.6844E-06	4.3457E-05	1.3257E-03	3.2610E-02	5.7388E-02	7.6022E-02
25	0.9100	-2.1878E-04	-1.7325E-04	1.2124E-04	6.5810E-04	3.3445E-03	1.9009E-02	7.1210E-02	0.1053	0.1265
26	0.7900	-3.3264E-05	-2.6089E-05	2.6964E-05	1.5239E-04	7.5279E-04	3.8155E-03	1.4495E-02	2.1980E-02	2.7287E-02
27	0.7700	-2.4570E-05	-1.9202E-05	2.4573E-05	1.2639E-04	6.1333E-04	2.9724E-03	9.7972E-03	1.4387E-02	1.7585E-02
28	0.7550	-3.6670E-05	-2.9585E-05	4.6284E-05	2.3613E-04	1.1314E-03	5.1634E-03	1.4307E-02	2.0035E-02	2.3509E-02
29	0.7300	-1.6329E-05	-1.2573E-05	2.2300E-05	1.0661E-04	4.9004E-04	2.4285E-03	1.6279E-02	2.7775E-02	3.6577E-02
30	0.7200	-6.5110E-05	-4.8655E-05	1.1245E-04	5.0440E-04	2.2273E-03	9.5803E-03	2.6557E-02	3.7577E-02	4.5225E-02
31	0.6800	-1.2809E-05	-9.0973E-06	3.3577E-05	1.4671E-04	6.3470E-04	2.5691E-03	6.8438E-03	9.6632E-03	1.1661E-02
32	0.6700	-4.8261E-05	-2.3165E-05	3.4446E-04	1.3819E-03	5.5947E-03	2.0308E-02	4.9618E-02	6.9210E-02	8.3527E-02
33	0.6000	-1.9378E-05	-5.8115E-06	1.5976E-04	5.5788E-04	2.0074E-03	7.0605E-03	3.4600E-02	5.9528E-02	7.9524E-02
34	0.5800	-2.1592E-05	4.9813E-05	7.5963E-04	2.3338E-03	7.6622E-03	2.4157E-02	5.8148E-02	8.2507E-02	0.1011
35	0.5200	8.0694E-04	9.0641E-04	1.1692E-03	1.6619E-03	3.0932E-03	7.0190E-03	1.8564E-02	2.8635E-02	3.6854E-02
36	0.5090	2.5849E-04	3.9306E-04	1.3876E-03	3.4274E-03	9.6260E-03	2.6174E-02	5.8322E-02	8.2710E-02	0.1022
37	0.4600	7.5933E-04	1.0394E-03	2.7651E-03	6.0381E-03	1.5071E-02	3.6082E-02	7.0748E-02	9.6898E-02	0.1185
38	0.4060	2.9066E-03	3.7039E-03	7.4997E-03	1.3799E-02	2.6869E-02	5.8587E-02	9.9833E-02	0.1304	0.1564
39	0.3400	2.3173E-04	2.8797E-04	5.2218E-04	8.8071E-04	1.6664E-03	3.1212E-03	8.2063E-03	1.4068E-02	1.9405E-02
40	0.3370	4.4767E-03	5.4260E-03	8.9130E-03	1.3584E-02	2.4507E-02	4.3272E-02	7.1341E-02	9.3688E-02	0.1131
41	0.3000	1.3370E-02	1.5419E-02	2.0767E-02	2.8048E-02	4.2019E-02	6.5891E-02	0.1002	0.1273	0.1500
42	0.2560	5.0587E-02	5.6098E-02	6.2402E-02	7.0949E-02	8.7645E-02	0.1211	0.1859	0.2481	0.3039
43	0.2000	0.3538	0.3932	0.4320	0.4848	0.5040	0.7523	0.9579	1.115	1.252
44	0.1000	0.6247	0.6819	0.7342	0.7999	0.9064	1.048	1.166	1.228	1.270
45	0.0000E-02	3.5321E-02	3.8013E-02	3.9265E-02	4.0559E-02	4.1922E-02	4.3360E-02	4.4627E-02	4.6262E-02	4.7670E-02

TABLE LXXIX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2230100

(4 π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	7.2499E-04	8.0683E-04	-1.0734E-04	-1.2275E-03	7.9423E-04	0.2901	0.6557	0.7561	0.8106
3	2.410	7.7465E-05	8.4410E-05	-1.4030E-05	-1.2570E-04	1.1543E-04	4.3701E-03	7.2768E-03	7.5431E-03	7.2714E-03
4	2.380	1.3236E-04	1.4262E-04	-2.5895E-05	-2.1089E-04	2.1651E-04	7.2860E-03	1.2144E-02	1.2606E-02	1.2165E-02
5	2.330	9.3520E-04	9.5781E-04	-2.4975E-04	-1.3601E-03	2.2511E-03	4.6962E-02	7.8583E-02	8.2205E-02	7.9817E-02
6	2.010	3.4970E-04	3.3909E-04	-1.1934E-04	-4.5323E-04	1.1799E-03	1.7076E-02	2.9371E-02	3.1299E-02	3.0912E-02
7	1.900	1.2961E-04	1.2328E-04	-4.7820E-05	-1.6006E-04	4.9288E-04	6.6817E-03	1.1952E-02	1.2942E-02	1.2978E-02
8	1.860	6.2468E-04	5.7655E-04	-2.5810E-04	-7.0277E-04	2.9091E-03	3.3463E-02	6.0910E-02	6.6666E-02	6.7484E-02
9	1.670	2.9596E-05	2.6580E-05	-1.3404E-05	-3.0064E-05	1.6362E-04	2.2620E-03	4.9060E-03	5.6352E-03	5.9509E-03
10	1.661	3.6562E-04	3.3867E-04	-1.5570E-04	-3.8456E-04	2.1156E-03	5.7449E-02	0.1508	0.1798	0.1955
11	1.556	1.6922E-04	1.5939E-04	-7.3669E-05	-1.7576E-04	1.0751E-03	1.2964E-02	2.6250E-02	2.9605E-02	3.0686E-02
12	1.510	1.1105E-04	1.0383E-04	-4.5932E-05	-1.0935E-04	7.6149E-04	1.2499E-02	3.0034E-02	3.5262E-02	3.7808E-02
13	1.480	4.3784E-04	3.9791E-04	-2.1502E-04	-3.5571E-04	3.6247E-03	3.3812E-02	6.5241E-02	7.3164E-02	7.5416E-02
14	1.360	1.0685E-05	9.3094E-06	-5.6488E-06	-6.5590E-06	1.0366E-04	8.6125E-04	1.6513E-03	1.8583E-03	1.9216E-03
15	1.357	2.2735E-04	1.9462E-04	-1.2840E-04	-1.0332E-04	2.5118E-03	1.7785E-02	3.1402E-02	3.4733E-02	3.5396E-02
16	1.290	2.4610E-04	1.9645E-04	-1.5722E-04	9.5286E-06	3.6463E-03	2.4689E-02	4.7371E-02	5.3936E-02	5.6391E-02
17	1.208	9.7551E-05	7.1384E-05	-6.9538E-05	7.2406E-05	1.9364E-03	1.0875E-02	1.9090E-02	2.1435E-02	2.2187E-02
18	1.170	1.4118E-04	8.8562E-05	-1.1490E-04	2.8207E-04	4.0554E-03	2.2063E-02	4.1435E-02	4.7597E-02	5.0231E-02
19	1.100	7.8100E-05	2.4113E-05	-8.1807E-05	5.2006E-04	4.7943E-03	2.5468E-02	5.2230E-02	6.1546E-02	6.6268E-02
20	1.030	1.0107E-05	-1.3302E-05	-2.0257E-05	3.3798E-04	2.4824E-03	1.0743E-02	1.8922E-02	2.1763E-02	2.3077E-02
21	0.9980	-6.8197E-06	-2.7522E-05	-5.7117E-06	3.7370E-04	2.4324E-03	1.0437E-02	1.9475E-02	2.2781E-02	2.4477E-02
22	0.9690	-5.9900E-06	-7.2777E-06	5.2603E-06	1.1691E-04	7.7712E-04	4.2145E-02	0.1755	0.2278	0.2607
23	0.9600	-4.8805E-05	-3.1118E-05	6.7964E-05	6.7047E-04	4.4820E-03	2.6566E-02	5.4654E-02	6.3680E-02	6.7477E-02
24	0.9120	-2.9628E-06	-7.9014E-07	4.8447E-06	2.8938E-05	1.9821E-04	4.5395E-02	0.2048	0.2587	0.3094
25	0.9100	-1.6812E-04	4.1233E-05	4.9509E-04	2.3297E-03	1.5523E-02	0.1199	0.2952	0.3562	0.3861
26	0.7900	-2.6942E-05	5.0505E-06	1.2712E-04	6.0256E-04	3.4675E-03	2.4217E-02	6.3924E-02	7.8998E-02	8.7260E-02
27	0.7700	-2.1577E-05	2.4858E-06	1.0962E-04	5.0998E-04	2.8142E-03	1.6907E-02	3.9632E-02	4.8040E-02	5.2376E-02
28	0.7550	-3.6580E-05	-1.2836E-06	2.1370E-04	9.8825E-04	5.1560E-03	2.5769E-02	5.0541E-02	5.9252E-02	6.3173E-02
29	0.7300	-1.8207E-05	-1.2660E-06	1.0188E-04	4.4293E-04	2.2233E-03	2.4444E-02	9.4987E-02	0.1248	0.1435
30	0.7200	-7.9030E-05	-3.1850E-06	5.1426E-04	2.1179E-03	1.0038E-02	4.8083E-02	9.6335E-02	0.1141	0.1226
31	0.6800	-1.8494E-05	-9.5047E-07	1.5740E-04	6.3686E-04	2.8346E-03	1.2481E-02	2.4756E-02	2.9507E-02	3.1961E-02
32	0.6700	-1.2709E-04	4.8716E-06	1.6462E-03	6.1804E-03	2.4428E-02	9.2259E-02	0.1746	0.2090	0.2284
33	0.6000	-5.2548E-05	2.3157E-05	7.4007E-04	2.4201E-03	8.5657E-03	5.3828E-02	0.2064	0.2765	0.3221
34	0.5800	9.0741E-06	3.8235E-04	3.3892E-03	9.9100E-03	3.2192E-02	0.1107	0.2162	0.2627	0.2901
35	0.5200	2.7892E-03	3.2000E-03	4.2846E-03	6.3049E-03	1.2201E-02	3.5261E-02	8.0789E-02	0.1179	0.1358
36	0.5050	1.0010E-03	1.6266E-03	5.8363E-03	1.4166E-02	3.9178E-02	0.1146	0.2237	0.2769	0.3114
37	0.4600	2.9360E-03	4.1754E-03	1.1313E-02	2.4408E-02	5.9630E-02	0.1467	0.2587	0.3181	0.3597
38	0.4060	1.1408E-02	1.4788E-02	2.9392E-02	5.3387E-02	0.1098	0.2230	0.3513	0.4253	0.4810
39	0.3400	9.1083E-04	1.1468E-03	2.0051E-03	3.3225E-03	6.2097E-03	1.5200E-02	5.4204E-02	7.6572E-02	9.2573E-02
40	0.3370	1.7343E-02	2.1271E-02	3.3606E-02	5.1815E-02	9.0477E-02	0.1677	0.2762	0.3369	0.3805
41	0.3000	4.9221E-02	5.7458E-02	7.5916E-02	0.1018	0.1541	0.2546	0.3851	0.4580	0.5101
42	0.2560	0.1793	0.2008	0.2251	0.2588	0.3289	0.4971	0.8294	1.026	1.166
43	0.2000	1.267	1.410	1.553	1.747	2.107	2.705	3.311	3.688	3.983
44	0.1000	2.004	2.185	2.312	2.490	2.759	3.837	3.062	3.022	2.934
45	5.0000E-02	0.1065	0.1126	0.1155	0.1185	0.1216	0.1247	0.1270	0.1275	0.1254

TABLE LXXX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2230200
(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	6.2702E-04	7.1592E-04	-6.7458E-05	-1.1038E-03	5.2822E-04	0.2488	0.6183	0.7244	0.7825
3	2.410	6.7391E-05	7.5197E-05	-9.6205E-06	-1.1366E-04	8.4867E-05	4.0308E-03	7.0969E-03	7.4575E-03	7.2371E-03
4	2.380	1.1589E-04	1.2745E-04	-1.8796E-05	-1.9119E-04	1.6359E-04	6.7236E-03	1.1843E-02	1.2462E-02	1.2106E-02
5	2.330	8.3407E-04	8.6863E-04	-2.0147E-04	-1.2519E-03	1.8402E-03	4.3446E-02	7.6634E-02	8.1249E-02	7.9416E-02
6	2.010	3.1749E-04	3.1186E-04	-1.0271E-04	-4.2477E-04	1.0084E-03	1.5778E-02	2.6556E-02	3.0836E-02	3.0655E-02
7	1.900	1.1825E-04	1.1396E-04	-4.1717E-05	-1.5116E-04	4.2577E-04	6.1382E-03	1.1568E-02	1.2695E-02	1.2813E-02
8	1.860	5.7466E-04	5.3693E-04	-2.2970E-04	-6.7273E-04	2.5482E-03	3.0709E-02	5.9837E-02	6.5271E-02	6.6588E-02
9	1.670	2.7414E-05	2.4910E-05	-1.2107E-05	-2.9220E-05	1.4463E-04	2.0069E-03	4.6521E-03	5.4282E-03	5.7753E-03
10	1.661	3.3470E-04	3.1372E-04	-1.4269E-04	-3.6916E-04	1.8644E-03	4.8615E-02	0.1405	0.1708	0.1875
11	1.555	1.5348E-04	1.4643E-04	-6.5407E-05	-1.6790E-04	9.4732E-04	1.1656E-02	2.5071E-02	2.8723E-02	3.0066E-02
12	1.510	1.0084E-04	9.5481E-05	-4.4572E-05	-1.0509E-04	6.7281E-04	1.0847E-02	2.8211E-02	3.3722E-02	3.6472E-02
13	1.480	4.0004E-04	3.6801E-04	-1.9458E-04	-3.5055E-04	3.2240E-03	3.0746E-02	6.2617E-02	7.1307E-02	7.4085E-02
14	1.360	9.7425E-06	8.6721E-06	-5.1752E-06	-6.7493E-06	9.2684E-05	7.8528E-04	1.5856E-03	1.8117E-03	1.8884E-03
15	1.357	2.1059E-04	1.8244E-04	-1.1873E-04	-1.1307E-04	2.2534E-03	1.6451E-02	3.0431E-02	3.4150E-02	3.5881E-02
16	1.290	2.3092E-04	1.8694E-04	-1.4825E-04	-1.8974E-05	3.2917E-03	2.2585E-02	4.5453E-02	5.2533E-02	5.5364E-02
17	1.208	9.2658E-05	6.9242E-05	-6.6831E-05	5.1995E-05	1.7560E-03	1.0102E-02	1.8495E-02	2.1060E-02	2.1971E-02
18	1.170	1.3727E-04	8.9027E-05	-1.1329E-04	-2.2914E-04	3.6926E-03	2.0319E-02	3.9811E-02	4.6400E-02	4.9362E-02
19	1.100	8.0284E-05	2.9860E-05	-8.5817E-05	4.4601E-04	4.3854E-03	2.3170E-02	4.9676E-02	5.9402E-02	6.4571E-02
20	1.030	1.3412E-05	-9.0370E-06	-2.4556E-05	2.9557E-04	2.2779E-03	1.0008E-02	1.8290E-02	2.1325E-02	2.2795E-02
21	0.9980	-2.3300E-06	-2.2377E-05	-1.1326E-05	3.2953E-04	2.2366E-03	9.6541E-03	1.8690E-02	2.2177E-02	2.4024E-02
22	0.9690	-6.1095E-06	-7.4802E-06	3.5314E-06	1.0536E-04	7.1218E-04	3.2295E-02	0.1530	0.2108	0.2446
23	0.9600	-5.6590E-05	-4.0825E-05	5.8336E-05	6.1470E-04	4.0944E-03	2.3936E-02	5.1992E-02	6.1734E-02	6.6122E-02
24	0.9120	-3.7047E-06	-1.7033E-06	4.4580E-06	2.7123E-05	1.8035E-04	3.4016E-02	0.1834	0.2478	0.2893
25	0.9100	-2.3859E-04	-4.9942E-05	4.6472E-04	2.1914E-03	1.4073E-02	0.1046	0.2758	0.3401	0.3730
26	0.7900	-3.7074E-05	-7.9170E-06	1.1738E-04	5.5776E-04	3.1506E-03	2.0992E-02	5.9244E-02	7.4882E-02	8.3709E-02
27	0.7700	-2.8737E-05	-6.7706E-06	1.0089E-04	4.7091E-04	2.5590E-03	1.4945E-02	3.7118E-02	4.5953E-02	5.0690E-02
28	0.7550	-4.6375E-05	-1.2852E-05	1.9554E-04	9.0665E-04	4.6953E-03	2.3355E-02	4.8197E-02	5.7606E-02	6.2135E-02
29	0.7300	-2.2341E-05	-6.3780E-06	9.3345E-05	4.0781E-04	2.0254E-03	1.9649E-02	8.5434E-02	0.1155	0.1346
30	0.7200	-9.4536E-05	-2.3419E-05	4.7074E-04	1.9481E-03	9.1544E-03	4.3474E-02	9.1562E-02	0.1106	0.1203
31	0.6600	-2.0952E-05	-4.5533E-06	1.4345E-04	5.8364E-04	2.5900E-03	1.1326E-02	2.3525E-02	2.8573E-02	3.1303E-02
32	0.6700	-1.2640E-04	-6.1700E-06	1.4956E-03	5.6506E-03	2.2409E-02	8.4483E-02	0.1664	0.2026	0.2238
33	0.6000	-5.3604E-05	1.4869E-05	6.7563E-04	2.2241E-03	7.8803E-03	4.4254E-02	0.1848	0.2548	0.3012
34	0.5800	-1.1188E-05	3.2857E-04	3.1080E-03	9.1336E-03	2.9677E-02	0.1009	0.2047	0.2533	0.2830
35	0.5200	2.6414E-03	3.0217E-03	4.0260E-03	5.8966E-03	1.1349E-02	3.1201E-02	8.2889E-02	0.1108	0.1283
36	0.5090	9.3013E-04	1.5010E-03	5.3683E-03	1.3104E-02	3.6300E-02	0.1049	0.2107	0.2652	0.3015
37	0.4600	2.7419E-03	3.8763E-03	1.0481E-02	2.2650E-02	5.5506E-02	0.1360	0.2451	0.3055	0.3486
38	0.4050	1.0645E-02	1.3754E-02	2.7393E-02	4.3856E-02	0.1028	0.2090	0.3343	0.4087	0.4656
39	0.3400	8.4951E-04	1.0670E-03	1.8744E-03	3.1147E-03	5.8346E-03	1.3216E-02	4.7643E-02	6.9242E-02	8.5849E-02
40	0.3370	1.6204E-02	1.9835E-02	3.1497E-02	4.8696E-02	8.5124E-02	0.1553	0.2593	0.3199	0.3642
41	0.3000	4.6292E-02	5.3942E-02	7.1470E-02	9.5386E-02	0.1452	0.2379	0.3621	0.4348	0.4876
42	0.2560	0.1696	0.1898	0.2125	0.2441	0.3090	0.4592	0.7639	0.9576	1.099
43	0.2000	1.199	1.335	1.470	1.653	1.993	2.561	3.156	3.536	3.836
44	0.1000	1.924	2.082	2.225	2.401	2.669	2.960	3.032	3.014	2.988
45	0.0000E-02	0.1031	0.1093	0.1122	0.1152	0.1184	0.1216	0.1243	0.1259	0.1256

TABLE LXXXI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2230300

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	5.3548E-04	6.3069E-04	-3.1546E-05	-9.9031E-04	2.9345E-04	0.2136	0.5830	0.6940	0.7553
3	2.410	5.8241E-05	6.6716E-05	-6.0498E-06	-1.0245E-04	5.8511E-05	3.7086E-03	6.9078E-03	7.3623E-03	7.1979E-03
4	2.380	1.0046E-04	1.1345E-04	-1.2662E-05	-1.7296E-04	1.1769E-04	6.1895E-03	1.1528E-02	1.2302E-02	1.2040E-02
5	2.330	7.3865E-04	7.8396E-04	-1.5967E-04	-1.1490E-03	1.4930E-03	4.0108E-02	7.4591E-02	8.0190E-02	7.8959E-02
6	2.010	2.8684E-04	2.8603E-04	-8.7725E-05	-3.9693E-04	8.6010E-04	1.4562E-02	2.7720E-02	3.0343E-02	3.0380E-02
7	1.900	1.0758E-04	1.0505E-04	-3.6235E-05	-1.4222E-04	3.6745E-04	5.6373E-03	1.1182E-02	1.2441E-02	1.2644E-02
8	1.850	5.2722E-04	4.9866E-04	-2.0377E-04	-6.4102E-04	2.2326E-03	2.8189E-02	5.6771E-02	6.3852E-02	6.5521E-02
9	1.670	2.5326E-05	2.3291E-05	-1.0894E-05	-2.8216E-05	1.2794E-04	1.7871E-03	4.4107E-03	5.2281E-03	5.6050E-03
10	1.661	3.0514E-04	2.8957E-04	-1.2697E-04	-3.5251E-04	1.6451E-03	4.1320E-02	0.1310	0.1623	0.1798
11	1.556	1.3866E-04	1.3403E-04	-5.7944E-05	-1.5956E-04	8.3625E-04	1.0502E-02	2.3927E-02	2.7851E-02	2.9331E-02
12	1.510	5.1285E-05	8.7477E-05	-3.9643E-05	-1.0036E-04	5.9562E-04	9.4576E-03	2.6497E-02	3.2248E-02	3.5185E-02
13	1.480	3.6416E-04	3.3509E-04	-1.7566E-04	-3.4193E-04	2.8739E-03	2.7995E-02	6.0038E-02	6.9438E-02	7.2740E-02
14	1.360	6.9360E-06	8.0481E-06	-4.7322E-06	-6.8144E-06	8.3053E-05	7.1701E-04	1.5210E-03	1.7647E-03	1.8546E-03
15	1.357	1.9436E-04	1.7038E-04	-1.0953E-04	-1.1938E-04	2.0260E-03	1.5212E-02	2.9441E-02	3.9527E-02	3.4731E-02
16	1.290	2.1598E-04	1.7712E-04	-1.3930E-04	-4.0532E-05	2.9780E-03	2.0698E-02	4.3574E-02	5.1124E-02	5.4323E-02
17	1.208	6.8038E-05	6.6761E-05	-6.3913E-05	3.4660E-05	1.5958E-03	9.3833E-03	1.7890E-02	2.0661E-02	2.1732E-02
18	1.170	1.3271E-04	8.8527E-05	-1.1077E-04	1.8489E-04	3.3693E-03	1.8746E-02	3.8218E-02	4.5193E-02	4.8470E-02
19	1.100	8.1436E-05	3.4366E-05	-8.8186E-05	3.8245E-04	4.0199E-03	2.1166E-02	4.7237E-02	5.7425E-02	6.2894E-02
20	1.030	1.6108E-05	-5.2205E-05	-2.7802E-05	2.5873E-04	2.0945E-03	9.3287E-03	1.7656E-02	2.0888E-02	2.2489E-02
21	0.9900	1.2140E-06	-1.7750E-05	-1.5773E-05	2.9096E-04	2.0607E-03	8.9502E-03	1.7925E-02	2.1569E-02	2.3559E-02
22	0.9690	-6.1364E-06	-7.5743E-06	2.0079E-06	9.5148E-05	6.5459E-04	2.4844E-02	0.1422	0.1952	0.2294
23	0.9600	-6.2607E-05	-4.8618E-05	4.9767E-05	5.6502E-04	3.7542E-03	2.1635E-02	4.9403E-02	5.9772E-02	6.4725E-02
24	0.9120	-4.2959E-06	-2.4556E-06	4.0901E-06	2.5471E-05	1.6488E-04	2.5514E-02	0.1643	0.2285	0.2706
25	0.9100	-2.9641E-04	-1.2000E-04	4.3550E-04	2.0679E-03	1.2826E-02	9.1825E-02	0.2575	0.3246	0.3603
26	0.7900	-4.5460E-05	-1.0038E-05	1.0851E-04	5.1851E-04	2.8764E-03	1.8346E-02	5.4907E-02	7.0955E-02	8.0278E-02
27	0.7700	-3.4674E-05	-1.4021E-05	9.3820E-05	4.3672E-04	2.3378E-03	1.3287E-02	3.4748E-02	4.3921E-02	4.9021E-02
28	0.7550	-5.4489E-05	-2.2982E-05	1.7935E-04	8.3912E-04	4.2947E-03	2.1208E-02	4.5877E-02	5.8991E-02	6.0994E-02
29	0.7300	-2.5730E-05	-1.0804E-05	8.5734E-05	3.7706E-04	1.8534E-03	1.6018E-02	7.6884E-02	0.1068	0.1263
30	0.7200	-1.0722E-04	-1.0935E-05	4.3210E-04	1.7995E-03	8.3850E-03	3.9403E-02	8.6879E-02	0.1070	0.1177
31	0.6800	-2.2965E-05	-7.7216E-06	1.3117E-04	5.3710E-04	2.3761E-03	1.0305E-02	2.2322E-02	2.7619E-02	3.0602E-02
32	0.6700	-1.2544E-04	-1.5312E-05	1.3637E-03	5.1862E-03	2.0630E-02	7.7528E-02	0.1583	0.1961	0.2189
33	0.6000	-5.3879E-05	7.6839E-06	6.1874E-04	2.0506E-03	7.2748E-03	3.7057E-02	0.1656	0.2348	0.2817
34	0.5800	-2.5001E-05	2.8307E-04	2.8586E-03	8.4441E-03	2.7450E-02	9.2340E-02	0.1936	0.2438	0.2755
35	0.5200	2.5040E-03	2.8570E-03	3.7890E-03	5.5258E-03	1.0582E-02	2.7924E-02	7.5764E-02	0.1027	0.1213
36	0.5090	8.6713E-04	1.3896E-03	4.9885E-03	1.2155E-02	3.3728E-02	9.6429E-02	0.1983	0.2537	0.2915
37	0.4600	2.5661E-03	3.6084E-03	9.7354E-03	2.1071E-02	5.1783E-02	0.1264	0.2319	0.2929	0.3373
38	0.4060	9.9506E-03	-2.2821E-02	2.5584E-02	4.6646E-02	9.6456E-02	0.1962	0.3178	0.3922	0.4498
39	0.3400	7.9376E-04	9.9485E-04	1.7553E-03	2.9240E-03	5.4688E-03	1.1744E-02	4.1936E-02	6.2673E-02	7.8166E-02
40	0.3370	1.5165E-02	1.8528E-02	2.9568E-02	4.5825E-02	8.0178E-02	0.1461	0.2435	0.3034	0.3481
41	0.3000	4.3550E-02	5.0713E-02	6.7364E-02	9.0580E-02	0.1369	0.2228	0.3405	0.4124	0.4655
42	0.2560	0.1606	0.1794	0.2008	0.2304	0.2907	0.4260	0.7045	0.8933	1.035
43	0.2000	1.136	1.264	1.391	1.554	1.886	2.424	3.026	3.386	3.690
44	0.1000	1.846	2.000	2.140	2.313	2.578	2.879	2.989	2.994	2.982
45	5.0000E-02	9.9700E-02	0.1059	0.1089	0.1119	0.1151	0.1184	0.1213	0.1235	0.1244

TABLE LXXXII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2230400

(4π photons/cm² sec ster)

	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	3.0619E-04	4.1397E-04	4.7346E-05	-7.0145E-04	-1.5919E-04	0.1356	0.4885	0.6103	0.6796
3	2.410	3.4696E-05	4.4715E-05	2.3564E-06	-7.3925E-05	4.1446E-06	2.8587E-03	6.3098E-03	7.0322E-03	7.0513E-03
4	2.380	6.1208E-05	7.6996E-05	1.6542E-06	-1.2593E-04	2.2999E-05	4.7804E-03	1.0530E-02	1.1749E-02	1.1793E-02
5	2.330	4.9273E-04	5.6215E-04	-6.0889E-05	-8.7593E-04	7.2705E-04	3.1291E-02	6.8150E-02	7.6540E-02	7.7255E-02
6	2.010	2.0548E-04	2.1574E-04	-5.0727E-05	-3.1859E-04	5.2474E-04	1.1399E-02	2.5156E-02	2.8736E-02	2.9460E-02
7	1.900	7.8751E-05	8.0558E-05	-2.2553E-05	-1.1637E-04	2.3433E-04	4.3689E-03	1.0038E-02	1.1653E-02	1.2119E-02
8	1.960	3.9742E-04	3.9151E-04	-1.3822E-04	-5.4199E-04	1.5021E-03	2.1875E-02	5.0732E-02	5.9527E-02	6.2492E-02
9	1.670	1.9539E-05	1.8653E-05	-7.7872E-06	-2.4671E-05	8.8933E-05	1.2850E-03	3.7579E-03	4.6686E-03	5.1251E-03
10	1.661	2.2621E-04	2.2339E-04	-8.7623E-05	-2.9913E-04	1.1384E-03	2.6106E-02	0.1063	0.1394	0.1587
11	1.556	9.9709E-05	1.0075E-04	-3.9268E-05	-1.3343E-04	5.8125E-04	7.7632E-03	2.0734E-02	2.5319E-02	2.7356E-02
12	1.510	6.5650E-05	6.5941E-05	-2.7380E-05	-9.4916E-05	4.1795E-04	6.4477E-03	2.1963E-02	2.8197E-02	3.1605E-02
13	1.480	2.6666E-04	2.5988E-04	-1.2719E-04	-3.0358E-04	2.0612E-03	2.1336E-02	5.2678E-02	6.3845E-02	6.8644E-02
14	1.360	6.7556E-05	6.3016E-06	-3.5705E-06	-6.4988E-06	6.0532E-05	5.5110E-04	1.3363E-03	1.6238E-03	1.7513E-03
15	1.357	1.4982E-04	1.3584E-04	-8.4829E-05	-1.2366E-04	1.4915E-03	1.2045E-02	2.6451E-02	3.1496E-02	3.3496E-02
16	1.290	1.7319E-04	1.4701E-04	-1.1377E-04	-7.8666E-05	2.2333E-03	1.6116E-02	3.8243E-02	4.6928E-02	5.1147E-02
17	1.208	7.3475E-05	5.8014E-05	-5.4656E-05	5.8429E-07	1.2126E-03	7.5397E-03	1.6075E-02	1.9370E-02	2.0897E-02
18	1.170	1.1678E-04	8.2845E-05	-1.0001E-04	8.9843E-05	2.5907E-03	1.4884E-02	3.3682E-02	4.1570E-02	4.5709E-02
19	1.100	8.0397E-05	4.2022E-05	-8.8593E-05	2.4027E-04	3.1330E-03	1.6498E-02	4.0602E-02	5.1622E-02	5.8002E-02
20	1.030	2.1353E-05	2.7396E-06	-3.2589E-05	1.7452E-04	1.6474E-03	7.6001E-03	1.5788E-02	1.9425E-02	2.1453E-02
21	0.9980	9.7492E-06	-7.3247E-06	-2.3968E-05	2.0179E-04	1.6302E-03	7.2227E-03	1.5764E-02	1.9759E-02	2.2117E-02
22	0.9690	-5.8386E-06	-7.4175E-06	-1.1338E-06	7.0959E-05	5.1619E-04	1.1684E-02	0.1038	0.1549	0.1896
23	0.9620	-7.2347E-05	-6.3037E-05	2.9698E-05	4.4468E-04	2.9501E-03	1.6311E-02	4.2196E-02	5.3920E-02	6.0340E-02
24	0.9120	-5.3517E-06	-3.9412E-06	3.1206E-06	2.1279E-05	1.2899E-04	1.0867E-02	0.1180	0.1793	0.2214
25	0.9100	-4.0802E-04	-2.6615E-04	3.5601E-04	1.7597E-03	9.9696E-03	6.4437E-02	0.2094	0.2812	0.3235
26	0.7900	-6.1989E-05	-3.9697E-05	8.6399E-05	4.2505E-04	2.2426E-03	1.2820E-02	4.3768E-02	6.0288E-02	7.0691E-02
27	0.7700	-4.6318E-05	-2.9558E-05	7.3650E-05	3.5564E-04	1.8252E-03	9.6518E-03	2.8462E-02	3.8199E-02	4.4155E-02
28	0.7550	-7.0393E-05	-4.4898E-05	1.4034E-04	6.7524E-04	3.3615E-03	1.6125E-02	3.9255E-02	5.0548E-02	5.7111E-02
29	0.7300	-3.2163E-05	-2.0217E-05	6.7319E-05	3.0424E-04	1.4528E-03	9.4628E-03	5.6269E-02	8.4767E-02	0.1045
30	0.7200	-1.3073E-04	-7.6073E-05	3.3905E-04	1.4472E-03	6.5874E-03	2.9994E-02	7.3716E-02	9.5963E-02	0.1094
31	0.6800	-2.6606E-05	-1.4588E-05	1.0203E-04	4.2732E-04	1.8729E-03	7.9007E-03	1.8951E-02	2.4727E-02	2.8327E-02
32	0.6700	-1.1998E-04	-3.5963E-05	1.0537E-03	4.0687E-03	1.6390E-02	6.0783E-02	0.1356	0.1762	0.2028
33	0.6000	-5.1304E-05	-5.7554E-06	4.8310E-04	1.6340E-03	5.8233E-03	2.4034E-02	0.1201	0.1844	0.2306
34	0.5800	-4.6769E-05	1.8507E-04	2.2586E-03	6.7755E-03	2.2086E-02	7.2111E-02	0.1629	0.2155	0.2515
35	0.5200	2.1455E-03	2.4310E-03	3.1853E-03	4.5949E-03	8.6869E-03	2.1088E-02	5.8314E-02	8.3606E-02	0.1022
36	0.5090	7.1444E-04	1.1216E-03	4.0147E-03	9.3372E-03	2.7429E-02	7.6478E-02	0.1651	0.2206	0.2611
37	0.4600	2.1242E-03	2.9479E-03	7.9041E-03	1.7175E-02	4.2516E-02	0.1028	0.1960	0.2564	0.3025
38	0.4060	8.2003E-03	1.0500E-02	2.1064E-02	3.8571E-02	8.0261E-02	0.1632	0.2719	0.3440	0.4019
39	0.3400	6.5352E-04	8.1525E-04	1.4550E-03	2.4382E-03	4.5981E-03	8.9810E-03	2.9298E-02	4.6771E-02	6.0854E-02
40	0.3370	1.2540E-02	1.5259E-02	2.4657E-02	3.8442E-02	6.7379E-02	0.1209	0.2018	0.2581	0.3023
41	0.3000	3.6632E-02	4.2451E-02	5.6753E-02	7.6513E-02	0.1153	0.1846	0.2830	0.3505	0.4029
42	0.2560	0.1367	0.1522	0.1700	0.1944	0.2432	0.3461	0.5576	0.7262	0.8620
43	0.2000	0.9654	1.074	1.181	1.327	1.599	2.058	2.587	2.956	3.262
44	0.1000	1.626	1.767	1.896	2.056	2.309	2.620	2.811	2.876	2.987
45	5.0000E-02	8.9560E-02	9.5694E-02	9.8591E-02	0.1016	0.1047	0.1080	0.1112	0.1141	0.1166

TABLE LXXXIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2230500

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	3.3573E-05	1.4586E-04	1.2111E-04	-3.5295E-04	-4.6291E-04	6.4451E-02	0.3634	0.4922	0.5699
3	2.410	6.6277E-06	1.7779E-05	1.0442E-05	-3.8936E-05	-3.4631E-05	1.8164E-03	5.3602E-03	6.3877E-03	6.7142E-03
4	2.380	1.4413E-05	3.2261E-05	1.5684E-05	-6.7874E-05	-4.8056E-05	3.0508E-03	8.8463E-03	1.0671E-02	1.1225E-02
5	2.330	1.0609E-04	2.7817E-04	4.2808E-05	-5.2138E-04	5.3151E-05	2.0413E-02	5.7303E-02	6.9462E-02	7.3414E-02
6	2.010	1.0079E-04	1.2195E-04	-1.0018E-05	-2.0794E-04	2.0683E-04	7.5564E-03	2.0986E-02	2.5811E-02	2.7645E-02
7	1.900	4.0952E-05	4.7321E-05	-7.0752E-06	-7.8403E-05	1.0509E-04	2.8790E-03	8.2588E-03	1.0314E-02	1.1189E-02
8	1.860	2.2327E-04	2.4202E-04	-6.0254E-05	-3.8335E-04	7.6970E-04	1.4543E-02	4.1503E-02	5.2340E-02	5.7276E-02
9	1.670	1.1607E-05	1.2002E-05	-3.9812E-06	-1.8247E-05	4.8922E-05	7.9531E-04	2.8753E-03	3.8585E-03	4.4134E-03
10	1.661	1.2248E-04	1.3379E-04	-4.1023E-05	-2.1151E-04	6.2762E-04	1.3393E-02	7.5241E-02	0.1082	0.1291
11	1.556	4.9925E-05	5.6913E-05	-1.7611E-05	-9.1797E-05	3.2618E-04	4.9265E-03	1.6210E-02	2.1426E-02	2.4209E-02
12	1.510	3.3374E-05	3.7408E-05	-1.2966E-05	-5.9195E-05	2.3909E-04	3.7121E-03	1.6087E-02	2.2526E-02	2.6429E-02
13	1.460	1.4443E-04	1.5353E-04	-6.8148E-05	-2.2342E-04	1.2276E-03	1.4016E-02	4.1903E-02	5.4858E-02	6.1713E-02
14	1.360	3.8575E-06	3.8864E-06	-2.0898E-06	-5.1381E-06	3.7061E-06	3.6711E-04	1.0655E-03	1.3966E-03	1.5753E-03
15	1.357	8.9414E-05	8.6706E-05	-5.2357E-05	-1.0500E-04	9.2835E-04	6.2790E-03	2.1719E-02	2.7841E-02	3.0987E-02
16	1.290	1.1222E-04	1.0058E-04	-7.7006E-05	-9.0810E-05	1.4326E-03	1.1000E-02	3.0491E-02	4.0231E-02	4.5790E-02
17	1.208	5.1218E-05	4.2614E-05	-5.9635E-05	-2.1396E-05	7.9440E-04	5.3210E-03	1.3220E-02	1.7072E-02	1.9229E-02
18	1.170	8.8624E-05	6.7139E-05	-7.7833E-05	1.1163E-05	1.7269E-03	1.0465E-02	2.7045E-02	3.5735E-02	4.0964E-02
19	1.100	7.1000E-05	4.3742E-05	-7.7189E-05	1.0751E-04	2.1359E-03	1.1506E-02	3.1558E-02	4.2991E-02	5.0360E-02
20	1.030	2.4367E-05	1.0132E-05	-3.2824E-05	9.1423E-05	1.1392E-03	5.5185E-03	1.2924E-02	1.6941E-02	1.9477E-02
21	0.9980	1.7205E-05	3.2071E-06	-2.7374E-05	1.1150E-04	1.1370E-03	5.2273E-03	1.2644E-02	1.6877E-02	1.9655E-02
22	0.9690	-4.5269E-06	-6.1696E-06	-3.3944E-06	4.4949E-05	3.6106E-04	3.9153E-03	6.1599E-02	0.1054	0.1379
23	0.9600	-7.0552E-05	-6.6885E-05	9.6934E-06	3.0786E-04	2.0670E-03	1.0654E-02	3.2181E-02	4.4710E-02	5.2741E-02
24	0.9120	-5.5644E-06	-4.6977E-06	1.9515E-06	1.6089E-05	9.0535E-05	2.7619E-03	6.7937E-02	0.1196	0.1584
25	0.9100	-4.5576E-04	-3.6094E-04	2.5258E-04	1.3710E-03	6.9677E-03	3.9602E-02	0.1484	0.2195	0.2676
26	0.7900	-6.9298E-05	-5.4352E-05	6.0320E-05	3.1747E-04	1.5682E-03	7.9488E-03	3.0198E-02	4.5790E-02	5.6847E-02
27	0.7700	-5.1187E-05	-4.0004E-05	5.1193E-05	2.6331E-04	1.2778E-03	6.1923E-03	2.0410E-02	2.9973E-02	3.6635E-02
28	0.7550	-7.6395E-05	-5.9552E-05	9.6423E-05	4.9193E-04	2.3571E-03	1.0757E-02	2.9805E-02	4.1738E-02	4.9809E-02
29	0.7300	-3.4019E-05	-2.6193E-05	4.6457E-05	2.2210E-04	1.0209E-03	5.0533E-03	3.3913E-02	5.7664E-02	7.6201E-02
30	0.7200	-1.3566E-04	-1.0136E-04	2.3427E-04	1.0506E-03	4.6401E-03	1.9959E-02	5.5327E-02	7.9285E-02	9.4216E-02
31	0.6800	-2.6685E-05	-1.8952E-05	6.9951E-05	3.0563E-04	1.3223E-03	5.3522E-03	1.4258E-02	2.0131E-02	2.4293E-02
32	0.6700	-1.0054E-04	-4.8260E-05	7.1761E-04	2.8790E-03	1.1655E-02	4.2307E-02	0.1034	0.1442	0.1740
33	0.6000	-4.0371E-05	-1.2107E-05	3.3263E-04	1.1622E-03	4.1820E-03	1.4709E-02	7.2083E-02	0.1240	0.1657
34	0.5800	-4.4982E-05	1.0378E-04	1.5825E-03	4.8620E-03	1.5963E-02	5.0326E-02	0.1211	0.1719	0.2105
35	0.5200	1.6811E-03	1.9883E-03	2.4337E-03	3.4622E-03	6.4440E-03	1.4623E-02	3.8675E-02	5.9655E-02	7.6777E-02
36	0.5090	5.3952E-04	8.1887E-04	2.8908E-03	7.1404E-03	2.0054E-02	5.4527E-02	0.1215	0.1723	0.2129
37	0.4600	1.5619E-03	2.1654E-03	5.7605E-03	1.2579E-02	3.1398E-02	7.5165E-02	0.1474	0.2019	0.2468
38	0.4060	6.0553E-03	7.7164E-03	1.5624E-02	2.8748E-02	6.0143E-02	0.1221	0.2080	0.2718	0.3258
39	0.3400	4.6276E-04	5.9994E-04	1.0379E-03	1.8348E-03	3.4716E-03	6.5023E-03	1.7036E-02	2.9303E-02	4.0427E-02
40	0.3370	9.3263E-03	1.1304E-02	1.9569E-02	2.9133E-02	5.1055E-02	9.0149E-02	0.1486	0.1956	0.2355
41	0.3000	2.7653E-02	3.2123E-02	4.3264E-02	5.8433E-02	8.7539E-02	0.1373	0.2057	0.2651	0.3126
42	0.2500	0.1054	0.1169	0.1300	0.1478	0.1826	0.2523	0.3873	0.5168	0.6391
43	0.2000	0.7372	0.8191	0.9000	1.010	1.217	1.567	1.996	2.323	2.609
44	0.1000	1.301	1.421	1.530	1.666	1.688	2.183	2.429	2.559	2.646
45	5.0000E-02	7.3583E-02	7.9192E-02	8.1801E-02	8.4497E-02	8.7337E-02	9.0332E-02	9.3388E-02	9.6377E-02	9.9311E-02

TABLE LXXXIV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2240100

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	2.3200E-03	2.5819E-03	-3.4350E-04	-3.9280E-03	2.5416E-03	0.9283	2.098	2.419	2.594
3	2.410	2.4769E-04	2.7012E-04	-4.4898E-05	-4.0225E-04	3.6939E-04	1.3985E-02	2.3286E-02	2.4138E-02	2.3269E-02
4	2.380	4.2356E-04	4.5639E-04	-8.2865E-05	-6.7487E-04	6.9283E-04	2.3316E-02	3.8860E-02	4.0339E-02	3.9927E-02
5	2.350	2.9927E-03	3.0651E-03	-7.9923E-04	-4.3525E-03	7.2037E-03	0.1503	0.2515	0.2631	0.2554
6	2.010	1.1190E-03	1.0651E-03	-3.8191E-04	-1.4504E-03	3.7757E-03	5.4643E-02	9.3991E-02	0.1002	9.8921E-02
7	1.900	4.1475E-04	3.9451E-04	-1.5303E-04	-5.1220E-04	1.5773E-03	2.1382E-02	3.8248E-02	4.1415E-02	4.1530E-02
8	1.860	1.9990E-03	1.8450E-03	-0.2595E-03	-2.2489E-03	9.3094E-03	0.1071	0.1949	0.2133	0.2160
9	1.670	9.4708E-05	0.5058E-05	-4.2892E-05	-9.6206E-05	5.2359E-04	7.2386E-03	1.5699E-02	1.8033E-02	1.9043E-02
10	1.661	1.1700E-03	1.0838E-03	-5.1105E-04	-1.2306E-03	6.7701E-03	0.1838	0.4824	0.5752	0.6257
11	1.556	5.4152E-04	5.1005E-04	-2.3574E-04	-5.6245E-04	3.4403E-03	4.1486E-02	8.4001E-02	9.4739E-02	9.8202E-02
12	1.510	3.5538E-04	3.3225E-04	-1.5979E-04	-3.4994E-04	2.4366E-03	3.9997E-02	9.6112E-02	0.1128	0.1210
13	1.480	1.4011E-03	1.2733E-03	-6.8609E-04	-1.1383E-03	1.1559E-02	0.1082	0.2088	0.2341	0.2413
14	1.360	3.3873E-05	2.5791E-05	-1.8077E-05	-2.0589E-05	3.3172E-04	2.7561E-03	5.2843E-03	5.9457E-03	6.1493E-03
15	1.357	7.2752E-04	6.2280E-04	-4.1090E-04	-3.3064E-04	8.0378E-03	5.6912E-02	0.1005	0.1111	0.1133
16	1.290	7.8753E-04	6.2865E-04	-5.0312E-04	3.0432E-05	1.1669E-02	7.9008E-02	0.1516	0.1726	0.1805
17	1.208	3.1217E-04	2.2843E-04	-2.2253E-04	2.3170E-04	6.1968E-03	3.4802E-02	6.1089E-02	6.8594E-02	7.0999E-02
18	1.170	4.5180E-04	2.9341E-04	-3.6767E-04	9.0265E-04	1.2977E-02	7.0605E-02	0.1326	0.1523	0.1607
19	1.100	2.4993E-04	7.7163E-05	-2.6179E-04	1.5642E-03	1.5342E-02	8.1501E-02	0.1671	0.1970	0.2121
20	1.030	3.2344E-05	-4.2567E-05	-6.4822E-05	1.0816E-03	7.9438E-03	3.4379E-02	6.0551E-02	6.9644E-02	7.3847E-02
21	0.9980	-2.1823E-05	-8.8072E-05	-1.8278E-05	1.1959E-03	7.7838E-03	3.3398E-02	6.2322E-02	7.2901E-02	7.8327E-02
22	0.9690	-1.9168E-05	-2.3289E-05	1.6833E-05	3.7413E-04	2.4868E-03	0.1349	0.5516	0.7289	0.8342
23	0.9600	-1.5618E-04	-9.9581E-05	2.1749E-04	2.1456E-03	1.4343E-02	8.5013E-02	0.1749	0.2038	0.2159
24	0.9120	-9.4911E-06	-2.5285E-06	1.5503E-05	9.2504E-05	6.3429E-04	0.1453	0.6555	0.8599	0.9900
25	0.9100	-5.3800E-04	1.3195E-04	1.5843E-03	7.4551E-03	4.9673E-02	0.3935	0.9447	1.140	1.235
26	0.7900	-8.6217E-05	1.6162E-05	4.0680E-04	1.9282E-03	1.1895E-02	7.7496E-02	0.2046	0.2528	0.2792
27	0.7700	-6.9048E-05	7.9547E-06	3.5080E-04	1.6320E-03	9.0056E-03	5.4103E-02	0.1268	0.1537	0.1676
28	0.7550	-1.1706E-04	-4.1076E-06	6.8385E-04	3.1625E-03	1.6499E-02	8.2464E-02	0.1617	0.1896	0.2022
29	0.7300	-5.8265E-05	-4.0512E-06	3.2633E-04	1.4174E-03	7.1147E-03	7.8223E-02	0.3040	0.3994	0.4592
30	0.7200	-2.5290E-04	-1.0192E-05	1.6457E-03	6.7776E-03	3.2123E-02	0.1539	0.3083	0.3651	0.3924
31	0.6800	-5.9182E-05	-3.0416E-06	5.0368E-04	2.0360E-03	9.0703E-03	3.9941E-02	7.9221E-02	9.4424E-02	0.1023
32	0.6700	-4.0689E-04	1.5589E-05	5.2679E-03	1.9778E-02	7.8170E-02	0.2952	0.5587	0.6687	0.7308
33	0.6000	-1.6816E-04	7.4104E-05	2.3693E-03	7.7445E-03	2.7411E-02	0.1723	0.6604	0.8948	1.031
34	0.5800	2.9039E-05	1.2236E-03	1.0846E-02	3.1713E-02	0.1038	0.3543	0.6918	0.8406	0.9284
35	0.5200	8.9257E-03	1.0240E-02	1.3712E-02	2.0176E-02	3.9045E-02	0.1128	0.2905	0.3772	0.4346
36	0.5000	3.2032E-03	5.2053E-03	1.8677E-02	4.5332E-02	0.1254	0.3667	0.7160	0.8860	0.9966
37	0.4600	9.3955E-03	1.3362E-02	3.6202E-02	7.9107E-02	0.1908	0.4693	0.8279	1.018	1.151
38	0.4050	3.6506E-02	4.7322E-02	9.4058E-02	0.1708	0.3512	0.7136	1.124	1.361	1.539
39	0.3400	2.9147E-03	3.6690E-03	6.4165E-03	1.0633E-02	1.9872E-02	4.8640E-02	0.1735	0.2450	0.2562
40	0.3370	5.5498E-02	6.8068E-02	0.1075	0.1658	0.2895	0.5367	0.8839	1.078	1.218
41	0.3000	0.1575	0.1839	0.2423	0.3258	0.4932	0.8148	1.232	1.466	1.632
42	0.2560	0.5738	0.6427	0.7203	0.8283	1.053	1.591	2.654	3.285	3.733
43	0.2000	4.053	4.513	4.970	5.590	6.743	8.657	10.60	11.80	12.75
44	0.1000	6.412	6.928	7.398	7.968	8.829	9.719	9.798	9.671	9.548
45	5.0000E-02	0.3408	0.3603	0.3696	0.3791	0.3892	0.3990	0.4064	0.4081	0.4014

TABLE LXXXV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2240200

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	2.0065E-03	2.2910E-03	-2.1587E-04	-3.5321E-03	1.6903E-03	0.7963	1.979	2.318	2.504
3	2.410	2.1566E-04	2.4064E-04	-3.0978E-05	-3.6372E-04	2.7158E-04	1.2899E-02	2.2711E-02	2.3865E-02	2.3159E-02
4	2.380	3.7085E-04	4.0783E-04	-6.0149E-05	-6.1181E-04	5.2349E-04	2.1516E-02	3.7899E-02	3.9879E-02	3.8741E-02
5	2.330	2.6691E-03	2.7797E-03	-6.4471E-04	-4.0062E-03	5.0887E-03	0.1390	0.2452	0.2600	0.2541
6	2.010	1.0160E-03	9.9796E-04	-3.2868E-04	-1.3593E-03	3.2270E-03	5.0492E-02	9.1382E-02	9.8677E-02	9.8098E-02
7	1.900	3.7841E-04	3.6467E-04	-1.3350E-04	-4.8371E-04	1.3625E-03	1.9643E-02	3.7018E-02	4.0623E-02	4.1001E-02
8	1.860	1.0390E-03	1.7102E-03	-7.3504E-04	-2.1528E-03	8.1545E-03	9.8270E-02	0.1883	0.2089	0.2128
9	1.670	0.7727E-05	7.9738E-05	-3.8743E-05	-9.3506E-05	4.6283E-04	6.4223E-03	1.4887E-02	1.7371E-02	1.8481E-02
10	1.661	1.0711E-03	1.0099E-03	-4.5662E-04	-1.1813E-03	5.9662E-03	0.1556	0.4498	0.5465	0.6000
11	1.556	4.9115E-04	4.6860E-04	-2.0931E-04	-5.3728E-04	3.0315E-03	3.7301E-02	8.0227E-02	9.1917E-02	9.6020E-02
12	1.510	3.2268E-04	3.0555E-04	-1.4263E-04	-3.3628E-04	2.1530E-03	3.4712E-02	9.0276E-02	0.1079	0.1167
13	1.480	1.2801E-03	1.1776E-03	-6.2266E-04	-1.1218E-03	1.0317E-02	9.8389E-02	0.2004	0.2282	0.2371
14	1.360	3.1177E-05	2.7751E-05	-1.6561E-05	-2.1598E-05	2.9660E-04	2.5129E-03	5.0740E-03	5.7976E-03	6.0429E-03
15	1.357	6.7389E-04	5.8383E-04	-3.7595E-04	-3.6185E-04	7.2109E-03	5.2645E-02	9.7381E-02	0.1093	0.1123
16	1.290	7.3896E-04	5.9822E-04	-4.7440E-04	-6.0717E-05	1.0534E-02	7.2273E-02	0.1455	0.1681	0.1772
17	1.208	2.9715E-04	2.2158E-04	-2.1386E-04	1.6639E-04	5.6193E-03	3.2327E-02	5.9185E-02	6.7393E-02	7.0309E-02
18	1.170	4.3927E-04	2.8488E-04	-3.6253E-04	7.3328E-04	1.1816E-02	6.5023E-02	0.274	0.1485	0.1580
19	1.100	2.5691E-04	9.5554E-05	-2.7462E-04	1.4273E-03	1.4034E-02	7.4144E-02	0.590	0.1903	0.2066
20	1.030	4.2919E-05	-2.8919E-05	-7.0581E-05	9.4584E-04	7.2894E-03	3.2025E-02	5.8528E-02	6.8242E-02	7.2946E-02
21	0.9980	-7.4561E-06	-7.1608E-05	-3.6245E-05	1.0545E-03	7.1573E-03	3.0894E-02	5.9810E-02	7.0566E-02	7.6878E-02
22	0.9690	-1.9551E-05	-2.3937E-05	1.1301E-05	3.3714E-04	2.2790E-03	0.1033	0.5055	0.6747	0.7826
23	0.9600	-1.8109E-04	-1.3064E-04	1.8668E-04	1.9671E-03	1.3102E-02	7.6597E-02	0.664	0.1976	0.2116
24	0.9120	-1.1855E-05	-5.4508E-06	1.4266E-05	8.6795E-05	5.7714E-04	0.1089	0.5870	0.7930	0.9258
25	0.9100	-7.6350E-04	-1.5802E-04	1.4871E-03	7.0127E-03	4.5034E-02	0.3347	0.8826	1.088	1.194
26	0.7900	-1.1864E-04	-2.5335E-05	3.7561E-04	1.7949E-03	1.0092E-02	6.7175E-02	0.896	0.2396	0.2679
27	0.7700	-9.1961E-05	-2.1666E-05	3.2287E-04	1.5069E-03	0.1889E-03	4.7824E-02	0.1188	0.1471	0.1622
28	0.7550	-1.4840E-04	-4.1123E-05	6.2573E-04	2.9077E-03	1.5025E-02	7.4736E-02	0.542	0.1843	0.1988
29	0.7300	-7.1492E-05	-2.0410E-05	2.9871E-04	1.3050E-03	6.4815E-03	6.2676E-02	0.2734	0.3695	0.4300
30	0.7200	-3.0252E-04	-7.4943E-05	1.5084E-03	6.2342E-03	2.9295E-02	0.1391	0.2930	0.3539	0.3848
31	0.6800	-6.7047E-05	-1.4571E-05	4.5905E-04	1.8677E-03	8.2882E-03	3.6243E-02	7.5283E-02	9.1436E-02	0.1002
32	0.6700	-4.0449E-04	-1.9744E-05	4.7860E-03	1.8082E-02	7.1711E-02	0.2704	0.5325	0.6484	0.7162
33	0.6000	-1.7154E-04	4.7563E-05	2.1621E-03	7.1172E-03	2.5218E-02	0.1416	0.5913	0.8153	0.9638
34	0.5800	-3.5804E-05	1.0515E-03	9.9457E-03	2.9228E-02	9.4967E-02	0.3230	0.6550	0.8105	0.9056
35	0.5200	0.4526E-03	9.6696E-03	1.2884E-02	1.8669E-02	3.6317E-02	9.9847E-02	0.2652	0.3520	0.4107
36	0.5090	2.9765E-03	4.8033E-03	1.7243E-02	4.1934E-02	0.1162	0.3357	0.6743	0.8496	0.9649
37	0.4600	0.7741E-03	1.2404E-02	3.3540E-02	7.2482E-02	0.1776	0.4351	0.7842	0.9775	1.116
38	0.4060	3.4063E-02	4.4014E-02	8.7661E-02	0.1595	0.3290	0.6689	1.070	1.308	1.490
39	0.3400	2.7185E-03	3.4144E-03	5.9981E-03	9.5674E-03	1.8671E-02	4.2291E-02	0.1525	0.2216	0.2722
40	0.3370	5.1853E-02	6.3466E-02	0.1008	0.1558	0.2724	0.5005	0.8299	1.024	1.165
41	0.3000	0.1481	0.1726	0.2287	0.3072	0.4647	0.7614	1.159	1.391	1.560
42	0.2560	0.5428	0.6072	0.6801	0.7811	0.9890	1.470	2.444	3.064	3.516
43	0.2000	3.838	4.273	4.704	5.269	6.379	8.194	10.10	11.31	12.28
44	0.1000	6.157	6.661	7.121	7.683	8.540	9.474	9.701	9.645	9.563
45	5.0000E-02	0.3300	0.3497	0.3591	0.3688	0.3790	0.3892	0.3978	0.4028	0.4020

TABLE LXXXVI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2240300

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3 080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	1.7136E-03	2.0183E-03	-1.3095E-04	-3.1690E-03	9.3936E-04	0.6935	1.865	2.221	2.417
3	2.410	1.6637E-04	2.1349E-04	-1.9360E-05	-3.2794E-04	1.3724E-04	1.1868E-02	2.2105E-02	2.3560E-02	2.3034E-02
4	2 380	3 2146E-04	3.6305E-04	-4.0520E-05	-5.5349E-04	3.7662E-04	1.9907E-02	3.6889E-02	3.9369E-02	3.6530E-02
5	2 330	2.3637E-03	2.5087E-03	-5.1095E-04	-3.6768E-03	4.7776E-03	0.1283	0.2387	0.2566	0.2527
6	2.010	9.1791E-04	9.1533E-04	-2.6075E-04	-1.2702E-03	2.7524E-03	4.6538E-02	8.8704E-02	9.7101E-02	9.7219E-02
7	1 500	3 4426E-04	3.3617E-04	-1.1595E-04	-4.5510E-04	1.1759E-03	1.8040E-02	3.5783E-02	3.9811E-02	4.0462E-02
8	1 650	1.6872E-03	1.5957E-03	-6.5209E-04	-2.0513E-03	7.1445E-03	9.0205E-02	0.1817	0.2043	0.2097
9	1.670	8.1044E-05	7.4534E-05	-3.4860E-05	-9.0233E-05	4.0942E-04	5.7188E-03	1.4114E-02	1.6730E-02	1.7936E-02
10	1.661	9.7646E-04	9.2664E-04	-4.0631E-04	-1.1281E-03	5.2645E-03	0.1322	0.4193	0.5195	0.5754
11	1.556	4.4371E-04	4.2991E-04	-1.9542E-04	-5.1068E-04	2.6761E-03	3.3607E-02	7.6567E-02	8.9126E-02	9.3862E-02
12	1.510	2.9212E-04	2.7993E-04	-1.2696E-04	-3.2115E-04	1.9060E-03	3.0265E-02	8.4792E-02	0.1032	0.1126
13	1.460	1.1653E-03	1.0851E-03	-5.3214E-04	-1.0942E-03	9.1966E-03	8.9586E-02	0.1521	0.2222	0.2328
14	1.360	2.8596E-05	2.5754E-05	-1.5143E-05	-2.1807E-05	2.6578E-04	2.2945E-03	4.8672E-03	5.6473E-03	5.9350E-03
15	1.357	6.2196E-04	5.4522E-04	-3.5051E-04	-3.8203E-04	6.4634E-03	4.8681E-02	9.4213E-02	0.1073	0.1111
16	1.290	6.9115E-04	5.6681E-04	-4.4576E-04	-1.2971E-04	9.5299E-03	6.6235E-02	0.1394	0.1636	0.1738
17	1.208	2.8173E-04	2.1364E-04	-2.0452E-04	1.1091E-04	5.1067E-03	3.0027E-02	5.7251E-02	6.6117E-02	6.9544E-02
18	1.170	4.2470E-04	2.8329E-04	-3.5448E-04	5.9167E-04	1.0782E-02	5.9990E-02	0.1223	0.1446	0.1551
19	1.100	2.6060E-04	1.0997E-04	-2.9220E-04	1.2239E-03	1.2864E-02	6.7734E-02	0.1512	0.1838	0.2013
20	1.030	5.1546E-05	-1.6731E-05	-8.6970E-05	8.2796E-04	6.7027E-03	2.9852E-02	5.6499E-02	6.6780E-02	7.1966E-02
21	0.9960	3.8849E-06	-5.6802E-05	-5.0474E-05	9.3110E-04	6.5945E-03	2.8641E-02	5.7360E-02	6.9023E-02	7.5390E-02
22	0.9690	-1.9637E-05	-2.4238E-05	6.4255E-06	3.0448E-04	2.0947E-03	7.9604E-02	0.4550	0.5245	0.7342
23	0.9600	-2.6035E-04	-1.5558E-04	1.5926E-04	1.8081E-03	1.2014E-02	6.3234E-02	0.1581	0.1913	0.2071
24	0.9120	-1.3747E-05	-7.8581E-06	1.3088E-05	8.1507E-05	5.2761E-04	8.1647E-02	0.5256	0.7313	0.8659
25	0.9100	-9.4853E-04	-3.8401E-04	1.3335E-03	6.5173E-03	4.1043E-02	0.2538	0.6241	1.039	1.153
26	0.7900	-1.4546E-04	-5.7721E-05	3.4723E-04	1.5593E-03	9.2046E-03	5.8709E-02	0.1757	0.2271	0.2569
27	0.7700	-1.1096E-04	-4.4668E-05	2.9757E-04	1.3975E-03	7.4810E-03	4.2520E-02	0.1112	0.1405	0.1569
28	0.7550	-1.7437E-04	-7.3545E-05	5.7393E-04	2.6852E-03	1.3743E-02	6.7867E-02	0.1468	0.1789	0.1952
29	0.7300	-8.2337E-05	-3.4573E-05	2.7436E-04	1.2066E-03	5.9311E-03	5.1257E-02	0.2460	0.3419	0.4043
30	0.7200	-3.4310E-04	-1.3099E-04	1.3827E-03	5.7585E-03	2.6832E-02	0.1261	0.2790	0.3423	0.3767
31	0.6800	-7.3490E-05	-2.4710E-05	4.1977E-04	1.7188E-03	7.6038E-03	3.2976E-02	7.1432E-02	8.8382E-02	9.7929E-02
32	0.6700	-4.0142E-04	-4.8999E-05	4.3641E-03	1.6596E-02	6.6018E-02	0.2481	0.5067	0.6276	0.7005
33	0.6000	-1.7242E-04	2.4587E-05	1.9800E-03	6.5621E-03	2.3280E-02	0.1196	0.5300	0.7515	0.9013
34	0.5800	-8.0005E-05	9.0584E-04	9.1477E-03	2.7022E-02	8.7841E-02	0.2555	0.6194	0.7802	0.8815
35	0.5200	8.0130E-03	9.1425E-03	1.2125E-02	1.7683E-02	3.3864E-02	8.9360E-02	0.2424	0.3285	0.3881
36	0.5090	2.7749E-03	4.4469E-03	1.5963E-02	3.6898E-02	0.1079	0.3086	0.6346	0.8117	0.9327
37	0.4600	8.2115E-03	1.1547E-02	3.1154E-02	6.7428E-02	0.1657	0.4044	0.7422	0.9373	1.079
38	0.4060	3.1843E-02	4.1029E-02	8.1870E-02	0.1493	0.3087	0.6278	1.017	1.255	1.439
39	0.3400	2.5401E-03	3.1836E-03	5.6170E-03	9.3572E-03	1.7564E-02	3.7581E-02	0.1344	0.2006	0.2501
40	0.3370	4.6530E-02	5.9292E-02	9.4618E-02	0.1466	0.2566	0.4576	0.7791	0.3710	1.114
41	0.3000	0.1355	0.1623	0.2155	0.2899	0.4382	0.7130	1.090	1.320	1.490
42	0.2500	0.5138	0.5741	0.6426	0.7372	0.9302	1.363	2.254	2.859	3.311
43	0.2000	3.635	4.045	4.453	5.005	6.036	7.757	9.620	10.83	11.81
44	0.1000	5.908	6.400	6.849	7.400	8.249	9.213	9.565	9.581	9.543
45	5.0000E-02	0.3190	0.3389	0.3484	0.3581	0.3694	0.3798	0.3881	0.3951	0.3981

TABLE LXXXVII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2240400

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	9.7984E-04	1.3247E-03	1.5151E-04	-2.2447E-03	-5.0943E-04	0.4340	1.563	1.953	2.175
3	2.410	1.1103E-04	1.4309E-04	7.5407E-06	-2.3625E-04	1.3263E-05	9.1479E-03	2.0192E-02	2.2504E-02	2.2564E-02
4	2.380	1.9587E-04	2.4639E-04	5.2935E-06	-4.0300E-04	7.3538E-05	1.5298E-02	3.3696E-02	3.7599E-02	3.7737E-02
5	2.330	1.5768E-03	1.7589E-03	-1.9485E-04	-2.8030E-03	2.3266E-03	0.1001	0.2181	0.2449	0.2472
6	2.010	6.5754E-04	6.9037E-04	-1.6233E-04	-1.0195E-03	1.6792E-03	3.6476E-02	8.0501E-02	9.1957E-02	9.4273E-02
7	1.900	2.5201E-04	2.5779E-04	-7.2171E-05	-3.7230E-04	7.4989E-04	1.3981E-02	3.2123E-02	3.7291E-02	3.8781E-02
8	1.860	1.2718E-03	1.2523E-03	-4.4231E-04	-1.7344E-03	4.8066E-03	7.0000E-02	0.1623	0.1905	0.2000
9	1.670	6.2525E-05	5.9691E-05	-2.4920E-05	-7.8949E-05	2.8459E-04	4.1250E-03	1.2026E-02	1.4940E-02	1.6401E-02
10	1.661	7.2530E-04	7.1488E-04	-2.8040E-04	-9.5725E-04	3.6430E-03	8.3542E-02	0.3402	0.4461	0.5080
11	1.556	3.1908E-04	3.2241E-04	-1.2566E-04	-4.2690E-04	1.6600E-03	2.4907E-02	6.6352E-02	8.1024E-02	8.7541E-02
12	1.510	2.1073E-04	2.1102E-04	-8.7617E-05	-2.7174E-04	1.3375E-03	2.0633E-02	7.0280E-02	9.0233E-02	0.1011
13	1.480	8.5974E-04	8.3164E-04	-4.0703E-04	-9.7149E-04	6.5959E-03	6.8276E-02	0.1686	0.2043	0.2197
14	1.360	2.1618E-05	2.0165E-05	-1.1426E-05	-2.0797E-05	1.9371E-04	1.7635E-03	4.2764E-03	5.1963E-03	5.6044E-03
15	1.357	4.7943E-04	4.3470E-04	-2.7146E-04	-3.9573E-04	4.7729E-03	3.8545E-02	8.4645E-02	0.1008	0.1072
16	1.290	5.5421E-04	4.7046E-04	-3.6407E-04	-2.5174E-04	7.1468E-03	5.1574E-02	0.1224	0.1502	0.1637
17	1.208	2.3512E-04	1.8565E-04	-1.7490E-04	1.8698E-06	3.8805E-03	2.4127E-02	5.1442E-02	6.1965E-02	6.6873E-02
18	1.170	3.7371E-04	2.6511E-04	-3.2005E-04	2.8751E-04	8.2905E-03	4.7629E-02	0.1079	0.1330	0.1463
19	1.100	2.5728E-04	1.3447E-04	-2.8347E-04	7.6888E-04	1.0026E-02	5.2794E-02	0.1299	0.1652	0.1856
20	1.030	6.8332E-05	8.7668E-05	-1.0557E-04	5.5848E-04	5.2719E-03	2.4321E-02	5.0522E-02	6.2161E-02	6.8651E-02
21	0.950	3.1198E-05	-2.3440E-05	-7.6700E-05	6.4574E-04	5.2167E-03	2.3113E-02	5.0445E-02	6.3230E-02	7.0777E-02
22	0.9630	-1.8684E-05	-2.3736E-05	-3.6201E-06	2.2707E-04	1.6518E-03	3.7389E-02	0.3323	0.4957	0.6066
23	0.9600	-2.3151E-04	-2.0172E-04	9.5036E-05	1.4230E-03	9.4405E-03	5.2195E-02	0.1350	0.1725	0.1931
24	0.9120	-1.7126E-05	-1.2612E-05	9.9860E-06	6.6093E-05	4.1277E-04	3.4777E-02	0.3777	0.5738	0.7085
25	0.9100	-1.3057E-03	-8.5170E-04	1.1392E-03	5.6311E-03	3.1903E-02	0.2062	0.6701	0.8997	1.035
26	0.7500	-1.9837E-04	-1.2703E-04	2.7646E-04	1.3602E-03	7.1764E-03	4.1024E-02	0.1401	0.1929	0.2262
27	0.7700	-1.4822E-04	-9.4587E-05	2.3565E-04	1.1301E-03	5.8408E-03	3.0886E-02	9.1082E-02	0.1222	0.1413
28	0.7550	-2.2526E-04	-1.4368E-04	4.4908E-04	2.1608E-03	1.0757E-02	5.1602E-02	0.1256	0.1618	0.1828
29	0.7300	-1.0292E-04	-6.4695E-05	2.1543E-04	9.7359E-04	4.6490E-03	3.0282E-02	0.1801	0.2713	0.3343
30	0.7200	-4.1833E-04	-2.4984E-04	1.0850E-03	4.6311E-03	2.1080E-02	9.5661E-02	0.2359	0.3071	0.3500
31	0.6800	-8.5141E-05	-4.6683E-05	3.2652E-04	1.3675E-03	5.9935E-03	2.5283E-02	6.0646E-02	7.9129E-02	9.0648E-02
32	0.6700	-3.8394E-04	-1.1508E-04	3.3718E-03	1.3884E-02	5.2448E-02	0.1945	0.4339	0.5639	0.6490
33	0.6000	-1.6418E-04	-1.8418E-05	1.5460E-03	5.2288E-03	1.8635E-02	7.6911E-02	0.3845	0.5900	0.7381
34	0.5800	-1.4966E-04	5.9224E-04	7.2276E-03	2.1682E-02	7.0677E-02	0.2308	0.5211	0.6897	0.8049
35	0.5200	6.8656E-03	7.7794E-03	1.0193E-02	1.4704E-02	2.7805E-02	6.7484E-02	0.1866	0.2675	0.3272
36	0.5090	2.2863E-03	3.5891E-03	1.2847E-02	3.1480E-02	8.7774E-02	0.2447	0.5282	0.7061	0.8356
37	0.4600	6.7976E-03	9.4333E-03	2.5294E-02	5.4560E-02	0.1361	0.3290	0.6272	0.8204	0.9682
38	0.4060	2.6241E-02	3.3602E-02	6.7406E-02	0.1234	0.2569	0.5223	0.8700	1.101	1.286
39	0.3400	2.0913E-03	2.6089E-03	4.6502E-03	7.6024E-03	1.4714E-02	2.8740E-02	9.3756E-02	0.1497	0.1947
40	0.3370	4.0130E-02	4.8629E-02	7.8503E-02	0.1230	0.2156	0.3568	0.6459	0.8260	0.9675
41	0.3000	0.1172	0.1358	0.1816	0.2448	0.3691	0.5906	0.9057	1.122	1.289
42	0.2560	0.4373	0.4871	0.5441	0.6222	0.7781	1.108	1.784	2.324	2.758
43	0.2000	3.089	3.436	3.788	4.246	5.119	6.586	8.278	9.459	10.44
44	0.1000	5.202	5.654	6.067	6.579	7.389	8.385	8.997	9.204	9.301
45	5.0000E-02	0.2866	0.3062	0.3155	0.3250	0.3352	0.3456	0.3558	0.3651	0.3732

TABLE LXXXVIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2240500
(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	1.0743E-04	4.7955E-04	3.8757E-04	-1.1295E-03	-1.4813E-03	0.2062	1.163	1.575	1.624
3	2.410	2.1209E-05	5.6893E-05	3.3415E-05	-1.2460E-04	-1.1092E-04	5.8125E-03	1.6961E-02	2.0441E-02	2.1486E-02
4	2.380	4.6122E-05	1.0324E-04	5.0191E-05	-2.1720E-04	-1.5378E-04	9.7628E-03	2.8309E-02	3.4148E-02	3.5921E-02
5	2.530	5.9537E-04	8.9015E-04	1.3699E-04	-1.6695E-03	1.7009E-04	6.5323E-02	0.1834	0.2223	0.2349
6	2.010	3.2252E-04	3.9024E-04	-3.2057E-05	-6.6542E-04	6.6188E-04	2.4181E-02	6.7156E-02	8.2596E-02	8.8466E-02
7	1.900	1.3105E-04	1.5143E-04	-2.2641E-05	-2.5050E-04	3.3629E-04	9.2129E-03	2.6429E-02	3.3006E-02	3.5865E-02
8	1.860	7.1448E-04	7.7449E-04	-1.9282E-04	-1.2267E-03	2.4631E-03	4.6538E-02	0.1328	0.1675	0.1839
9	1.670	3.7144E-05	3.8408E-05	-1.2740E-05	-5.8393E-05	1.5655E-04	2.5451E-03	9.2011E-03	1.2348E-02	1.4123E-02
10	1.661	3.9194E-04	4.2815E-04	-1.3128E-04	-6.7684E-04	2.0084E-03	4.2866E-02	0.2408	0.3463	0.4132
11	1.556	1.5976E-04	1.0212E-04	-5.6358E-05	-2.9376E-04	1.0438E-03	1.5765E-02	5.1874E-02	6.8563E-02	7.7469E-02
12	1.510	1.0680E-04	1.1956E-04	-4.1493E-05	-1.0944E-04	7.6510E-04	1.1879E-02	5.1480E-02	7.2083E-02	8.4575E-02
13	1.460	4.6219E-04	4.9130E-04	-2.1808E-04	-7.1496E-04	3.9285E-03	4.4851E-02	0.1341	0.1756	0.1975
14	1.360	1.2344E-05	1.2437E-05	-6.6874E-06	-1.6442E-05	1.1860E-04	1.1748E-03	3.4096E-03	4.4692E-03	5.0412E-03
15	1.357	2.8613E-04	2.7746E-04	-1.6755E-04	-3.3599E-04	2.9708E-03	2.5493E-02	6.3504E-02	8.9093E-02	9.9161E-02
16	1.290	3.5912E-04	3.2187E-04	-2.4642E-04	-2.9060E-04	4.5845E-03	3.5200E-02	9.7575E-02	0.1287	0.1465
17	1.208	1.6390E-04	1.3637E-04	-1.2684E-04	-6.8475E-05	2.5421E-03	1.7027E-02	4.2306E-02	5.4631E-02	6.1534E-02
18	1.170	2.8360E-04	2.1485E-04	-2.4907E-04	3.5723E-05	5.5325E-03	3.3487E-02	8.6546E-02	0.1144	0.1311
19	1.100	2.2720E-04	1.3998E-04	-2.4701E-04	3.4403E-04	6.8351E-03	3.6819E-02	0.1010	0.1376	0.1612
20	1.030	7.7976E-05	3.2423E-05	-1.0504E-04	2.9256E-04	3.6456E-03	1.7660E-02	4.1357E-02	5.4212E-02	6.2327E-02
21	0.9980	5.5058E-05	1.0263E-05	-0.7599E-05	3.5680E-04	3.6384E-03	1.6728E-02	4.0462E-02	5.4008E-02	6.2896E-02
22	0.9690	-1.4487E-05	-1.9743E-05	-1.0862E-05	1.4384E-04	1.1554E-03	1.2529E-02	0.1971	0.3373	0.4412
23	0.9600	-2.2577E-04	-2.1404E-04	3.1660E-05	9.8517E-04	6.6145E-03	3.4733E-02	0.1030	0.1431	0.1688
24	0.9120	-1.7806E-05	-1.5033E-05	6.2450E-06	5.1229E-05	2.8972E-04	8.8382E-03	0.2174	0.3926	0.5068
25	0.9100	-1.4585E-03	-1.1550E-03	8.0829E-04	4.3874E-03	2.2297E-02	0.1267	0.4747	0.7023	0.8564
26	0.7900	-2.2176E-04	-1.7393E-04	1.9303E-04	1.0159E-03	5.0183E-03	2.5437E-02	9.6635E-02	0.1465	0.1819
27	0.7700	-1.6380E-04	-1.2802E-04	1.6382E-04	8.4261E-04	4.0889E-03	1.9816E-02	6.5315E-02	9.5916E-02	0.1172
28	0.7550	-2.4447E-04	-1.9057E-04	3.0856E-04	1.5742E-03	7.5429E-03	3.4423E-02	9.5379E-02	0.1336	0.1594
29	0.7300	-1.0866E-04	-8.3821E-05	1.4867E-04	7.1074E-04	3.2670E-03	1.6190E-02	0.1065	0.1852	0.2438
30	0.7200	-4.3412E-04	-3.2437E-04	7.4968E-04	3.3627E-03	1.4848E-02	6.3869E-02	0.1771	0.2505	0.3015
31	0.6800	-8.5393E-05	-6.0643E-05	2.2385E-04	9.7804E-04	4.2314E-03	1.7127E-02	4.5626E-02	6.4422E-02	7.7739E-02
32	0.6700	-3.2174E-04	-1.5444E-04	2.2964E-03	9.2130E-03	3.7298E-02	0.1354	0.3308	0.4614	0.5568
33	0.6000	-1.2919E-04	-3.8743E-05	1.0651E-03	3.7192E-03	1.3383E-02	4.7070E-02	0.2307	0.3969	0.5302
34	0.5800	-1.4395E-04	3.3209E-04	5.0642E-03	1.5559E-02	5.1081E-02	0.1610	0.3877	0.5500	0.6738
35	0.5200	5.3796E-03	6.0428E-03	7.7881E-03	1.1079E-02	2.0621E-02	4.6794E-02	0.1238	0.1909	0.2457
36	0.5090	1.7233E-03	2.6204E-03	9.2509E-03	2.2850E-02	6.4174E-02	0.1745	0.3888	0.5514	0.6813
37	0.4600	5.0622E-03	6.9234E-03	1.8434E-02	4.0254E-02	0.1005	0.2405	0.4717	0.6460	0.7897
38	0.4060	1.9377E-02	2.4693E-02	4.9998E-02	9.1996E-02	0.1925	0.3906	0.6656	0.8697	1.043
39	0.3400	1.5449E-03	1.9198E-03	3.4812E-03	5.8715E-03	1.1109E-02	2.0808E-02	5.4709E-02	9.3787E-02	0.1294
40	0.3370	2.9845E-02	3.6173E-02	5.9420E-02	9.3228E-02	0.1634	0.2885	0.4756	0.6259	0.7537
41	0.3000	8.9131E-02	0.1028	0.1384	0.1870	0.2801	0.4393	0.6678	0.8484	1.000
42	0.2550	0.3372	0.3740	0.4160	0.4730	0.5843	0.8074	1.239	1.654	2.026
43	0.2000	2.359	2.621	2.880	3.232	3.894	5.016	6.386	7.434	8.350
44	0.1000	4.164	4.546	4.895	5.332	6.043	6.987	7.772	8.189	8.469
45	5.0000E-02	0.2355	0.2534	0.2618	0.2704	0.2795	0.2891	0.2989	0.3084	0.3178

TABLE LXXXIX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2380100

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.880	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	2.410	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	2.380	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	2.330	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	2.010	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	1.900	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	1.860	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	1.670	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	1.661	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	1.556	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	1.510	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	1.480	2.5542E-05	3.3048E-05	5.7506E-05	-6.4748E-05	-1.3628E-05	2.7773E-02	9.0634E-02	0.1122	0.1252
14	1.360	1.3210E-05	1.6679E-05	2.2561E-07	-3.2222E-06	-1.2406E-07	1.4807E-04	2.9922E-04	3.2359E-04	3.1776E-04
15	1.357	3.3904E-05	3.9862E-05	1.7542E-05	-7.4304E-05	2.5206E-05	3.3235E-03	6.6897E-03	7.2584E-03	7.1518E-03
16	1.290	5.1104E-05	5.4583E-05	-6.4309E-05	-9.4812E-05	1.0939E-04	4.1238E-03	8.2228E-03	8.9899E-03	8.9289E-03
17	1.208	2.6690E-05	2.6844E-05	-5.9870E-05	-4.3947E-05	8.3992E-05	1.9383E-03	3.6322E-03	4.2181E-03	4.2200E-03
18	1.170	5.2681E-05	5.0438E-05	-1.6350E-05	-7.7777E-05	2.1973E-04	3.6297E-03	7.1143E-03	7.8848E-03	7.9474E-03
19	1.100	5.4886E-05	4.9483E-05	-2.2769E-05	-6.8199E-05	3.1838E-04	3.7252E-03	7.2138E-03	8.0781E-03	8.2227E-03
20	1.030	2.4920E-05	2.1379E-05	-1.2315E-05	-2.5810E-05	1.8381E-04	1.7419E-03	3.3376E-03	3.7642E-03	3.8685E-03
21	0.9980	2.1983E-05	1.6236E-05	-1.2057E-05	-1.9292E-05	1.9034E-04	1.6035E-03	3.6521E-03	3.4532E-03	3.5751E-03
22	0.9690	6.6488E-06	5.3869E-06	-3.8907E-06	-5.0532E-06	6.3992E-05	5.0283E-04	9.5300E-04	1.0835E-03	1.1238E-03
23	0.9600	3.3418E-05	2.6962E-05	-2.1615E-05	-1.7661E-05	3.8505E-04	2.7288E-03	5.1361E-03	5.8687E-03	6.1219E-03
24	0.9120	1.3028E-06	9.6754E-07	-9.2221E-07	-3.5588E-07	1.7717E-05	1.1550E-04	2.1534E-04	2.4794E-04	2.5994E-04
25	0.9100	5.5459E-05	3.3023E-05	-5.1990E-05	6.7055E-05	1.3750E-03	7.2793E-03	1.3974E-02	1.9531E-02	1.6510E-02
26	0.7900	3.6361E-06	-1.7054E-07	-6.4763E-06	3.2369E-05	2.9626E-04	1.2877E-03	2.3150E-03	2.7235E-03	2.9402E-03
27	0.7700	1.2666E-06	-1.4255E-06	-4.0149E-06	3.0343E-05	2.3780E-04	9.8341E-04	1.7570E-03	2.0741E-03	2.2485E-03
28	0.7550	-7.1852E-07	-5.0279E-06	-4.5414E-06	6.2748E-05	4.2878E-04	1.6758E-03	2.9717E-03	3.5219E-03	3.8365E-03
29	0.7300	-1.4138E-06	-2.9825E-06	-9.0756E-07	2.9780E-05	1.8356E-04	6.8404E-04	1.2348E-03	1.4326E-03	1.5671E-03
30	0.7200	-1.2388E-05	-1.7925E-05	3.7036E-05	1.5094E-04	8.1218E-04	2.8255E-03	4.9246E-03	5.8842E-03	6.4761E-03
31	0.6800	-4.8667E-06	-5.9715E-06	3.2388E-05	4.6583E-05	2.2385E-04	7.3022E-04	1.2590E-03	1.5111E-03	1.6729E-03
32	0.6700	-5.6629E-05	-5.8486E-05	6.4449E-05	4.5947E-04	1.8583E-03	5.4519E-03	9.2140E-03	1.1133E-02	1.2441E-02
33	0.6000	-2.2724E-05	-2.0630E-05	3.6780E-05	1.8277E-04	6.3610E-04	1.6799E-03	2.7737E-03	3.3716E-03	3.8023E-03
34	0.5800	-7.9963E-05	-6.1616E-05	1.9596E-04	7.5069E-04	2.2876E-03	5.4903E-03	8.8427E-03	1.0705E-02	1.2247E-02
35	0.5200	-5.0849E-06	1.7892E-06	6.7145E-05	1.9227E-04	5.0996E-04	1.1299E-03	1.7946E-03	2.1939E-03	2.5030E-03
36	0.5090	-4.7229E-05	-6.2808E-06	3.5738E-04	1.0025E-03	2.5300E-03	5.2815E-03	8.1364E-03	9.9152E-03	1.1329E-02
37	0.4600	6.0302E-05	1.4812E-04	7.3318E-04	1.6599E-03	3.6275E-03	6.8357E-03	1.0104E-02	1.2201E-02	1.3911E-02
38	0.4060	6.5612E-04	8.6133E-04	1.9197E-03	3.4180E-03	6.2704E-03	1.0571E-02	1.4797E-02	1.7437E-02	1.9573E-02
39	0.3400	5.9967E-05	7.2592E-05	1.2985E-04	2.0659E-04	3.4552E-04	5.5074E-04	7.4790E-04	8.6507E-04	9.5698E-04
40	0.3370	1.1948E-03	1.3865E-03	2.1571E-03	3.1588E-03	4.9253E-03	7.5507E-03	1.0839E-02	1.1440E-02	1.2495E-02
41	0.3600	3.4735E-03	3.8031E-03	4.7653E-03	5.9538E-03	7.9878E-03	1.1215E-02	1.4277E-02	1.5816E-02	1.6845E-02
42	0.2560	1.1972E-02	1.2516E-02	1.3140E-02	1.3991E-02	1.5633E-02	1.8948E-02	2.2611E-02	2.4922E-02	2.6727E-02
43	0.2000	5.3162E-02	5.5522E-02	6.0417E-02	6.6577E-02	7.0622E-02	9.1780E-02	0.1836	0.1110	0.1170
44	0.1800	7.3357E-02	7.5322E-02	7.9743E-02	8.4461E-02	9.0743E-02	9.4829E-02	8.9203E-02	8.3518E-02	7.8774E-02
45	5.0600E-02	3.6187E-03	3.6790E-03	3.7450E-03	3.8086E-03	3.8734E-03	3.9260E-03	3.9449E-03	3.8955E-03	3.7423E-03

TABLE XC. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2380200

(4π photons/cm² sec ster)

UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1 3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
2 2.996	0.	0.	0.	0.	0.	0.	0.	0.	0.
3 2.410	0.	0.	0.	0.	0.	0.	0.	0.	0.
4 2.380	0.	0.	0.	0.	0.	0.	0.	0.	0.
5 2.330	0.	0.	0.	0.	0.	0.	0.	0.	0.
6 2.010	0.	0.	0.	0.	0.	0.	0.	0.	0.
7 1.900	0.	0.	0.	0.	0.	0.	0.	0.	0.
8 1.860	0.	0.	0.	0.	0.	0.	0.	0.	0.
9 1.670	0.	0.	0.	0.	0.	0.	0.	0.	0.
10 1.661	0.	0.	0.	0.	0.	0.	0.	0.	0.
11 1.556	0.	0.	0.	0.	0.	0.	0.	0.	0.
12 1.510	0.	0.	0.	0.	0.	0.	0.	0.	0.
13 1.480	1.2032E-05	2.6513E-05	8.0274E-06	-5.3521E-05	-2.8570E-05	2.1046E-02	8.0741E-02	0.1025	0.1156
14 1.360	6.5918E-07	1.3491E-06	3.4088E-07	-2.6709E-06	-9.3896E-07	1.2650E-04	2.8235E-04	3.1375E-04	3.1326E-04
15 1.357	1.8891E-05	3.3141E-05	4.4914E-06	-6.2715E-05	1.9600E-06	2.8487E-03	6.3144E-03	7.0369E-03	7.0479E-03
16 1.290	3.3478E-05	4.6894E-05	-2.5778E-06	-8.2265E-05	7.1585E-05	3.5606E-03	7.7669E-03	8.7138E-03	8.7921E-03
17 1.208	1.8977E-05	2.3559E-05	-4.2538E-06	-3.8993E-05	6.2865E-05	1.6837E-03	3.6219E-03	4.0877E-03	4.1524E-03
18 1.170	3.9597E-05	4.5031E-05	-1.3095E-05	-7.0502E-05	1.7377E-04	3.1706E-03	6.7277E-03	7.6393E-03	7.8150E-03
19 1.100	4.3861E-05	4.5127E-05	-1.9525E-05	-6.3918E-05	2.6231E-04	3.2784E-03	6.8241E-03	7.9162E-03	8.0780E-03
20 1.030	2.0703E-05	1.9818E-05	-1.0921E-05	-2.5090E-05	1.5452E-04	1.5414E-03	3.1603E-03	3.6446E-03	3.7975E-03
21 0.9980	1.8703E-05	1.7101E-05	-1.0873E-05	-1.5433E-05	1.6161E-04	1.4237E-03	2.8910E-03	3.3486E-03	3.5078E-03
22 0.9690	5.7447E-06	5.0898E-06	-3.5427E-06	-5.2636E-06	5.4634E-05	4.4739E-04	9.0287E-04	1.0487E-03	1.1023E-03
23 0.9500	2.9631E-05	2.4864E-05	-1.9968E-05	-2.0291E-05	3.3134E-04	2.4358E-03	4.8674E-03	5.6788E-03	6.0018E-03
24 0.9120	1.1838E-06	9.4013E-07	-8.6226E-07	-5.2384E-07	1.5336E-05	1.0339E-04	2.0480E-04	2.3986E-04	2.5472E-04
25 0.9100	5.5384E-05	3.4553E-05	-5.0565E-05	4.4757E-05	1.2075E-03	6.5630E-03	1.2687E-02	1.5015E-02	1.6157E-02
26 0.7900	5.0446E-06	6.6673E-07	-6.8005E-06	2.6751E-05	2.6326E-04	1.1699E-03	2.1975E-03	2.6305E-03	2.8726E-03
27 0.7700	2.6302E-06	-6.8740E-07	-4.4104E-06	2.5068E-05	2.1195E-04	8.9526E-04	1.6681E-03	2.0027E-03	2.1958E-03
28 0.7550	1.9415E-06	-3.5846E-06	-5.5396E-06	5.2732E-05	3.8344E-04	1.5291E-03	2.8218E-03	3.3995E-03	3.7443E-03
29 0.7300	-9.4908E-08	-2.3320E-06	-1.4393E-06	2.5313E-05	1.6461E-04	6.2538E-04	1.1442E-03	1.3824E-03	1.5287E-03
30 0.7200	-6.1754E-06	-1.4928E-05	5.2236E-07	1.3010E-04	7.3125E-04	2.5907E-03	4.6779E-03	5.6749E-03	6.3118E-03
31 0.6800	-3.0735E-06	-5.1372E-06	2.2127E-06	4.0579E-05	2.0229E-04	6.7135E-04	1.1961E-03	1.4566E-03	1.6290E-03
32 0.6700	-4.1380E-05	-5.1994E-05	5.2618E-05	4.0649E-04	1.6898E-03	5.0352E-03	8.7558E-03	1.0720E-02	1.2095E-02
33 0.6000	-1.7940E-05	-1.6830E-05	3.1689E-05	1.6369E-04	5.8191E-04	1.5585E-03	2.6360E-03	3.2421E-03	3.6890E-03
34 0.5800	-6.6709E-05	-5.7796E-05	1.7361E-04	6.7949E-04	2.1048E-03	5.1140E-03	8.4034E-03	1.0355E-02	1.1856E-02
35 0.5200	-4.3901E-06	1.2603E-06	6.0728E-05	1.7545E-04	4.7092E-04	1.0528E-03	1.6998E-03	2.0976E-03	2.4114E-03
36 0.5050	-4.4907E-05	-9.2923E-06	3.2471E-04	9.2028E-04	2.3477E-03	4.9455E-03	7.7274E-03	9.4920E-03	1.0919E-02
37 0.4600	3.9072E-05	1.3041E-04	6.7538E-04	1.5391E-03	3.3880E-03	6.4209E-03	9.5866E-03	1.1646E-02	1.3349E-02
38 0.4060	5.4327E-04	7.9176E-04	1.7909E-03	3.2023E-03	5.8961E-03	9.9450E-03	1.4007E-02	1.6573E-02	1.8663E-02
39 0.3400	5.0985E-05	6.7470E-05	1.2173E-04	1.9438E-04	3.2580E-04	5.1800E-04	7.0667E-04	8.2001E-04	9.0891E-04
40 0.3370	1.0330E-03	1.2958E-03	2.0294E-03	2.9793E-03	4.6505E-03	7.0960E-03	9.4717E-03	1.0624E-02	1.1836E-02
41 0.3000	3.0900E-03	3.5968E-03	4.5105E-03	5.6352E-03	7.5461E-03	1.0510E-02	1.3423E-02	1.4909E-02	1.5894E-02
42 0.2560	1.0580E-02	1.2004E-02	1.2533E-02	1.3265E-02	1.4720E-02	1.7731E-02	2.1235E-02	2.3465E-02	2.5251E-02
43 0.2000	4.9207E-02	5.3629E-02	5.7986E-02	6.3656E-02	7.3461E-02	8.7483E-02	9.9302E-02	0.1066	0.1125
44 0.1000	6.9570E-02	7.3796E-02	7.7717E-02	8.2286E-02	8.8627E-02	9.3598E-02	9.0364E-02	8.5916E-02	8.1952E-02
45 5.0000E-02	3.4927E-03	3.6235E-03	3.6874E-03	3.7504E-03	3.8165E-03	3.8749E-03	3.9120E-03	3.9135E-03	3.8614E-03

TABLE XCI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2380300

(4π photons/cm² sec ster)

	I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	2.410	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	2.380	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	2.330	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	2.010	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	1.900	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	1.860	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	1.670	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	1.661	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	1.556	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	1.510	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	1.480	4.7168E-06	1.9068E-05	1.0128E-05	-4.2857E-05	-3.8465E-05	1.6413E-02	7.3357E-02	9.5557E-02	0.1091	
14	1.360	2.9912E-07	9.8519E-07	4.4810E-07	-2.1622E-06	-1.4910E-06	1.0948E-04	2.6862E-04	3.0540E-04	3.0937E-04	
15	1.357	1.1192E-05	2.4959E-05	7.0893E-06	-5.1550E-05	-1.4176E-05	2.4738E-03	5.9961E-03	6.8494E-03	6.9586E-03	
16	1.290	2.4215E-05	3.7524E-05	7.4226E-07	-7.0178E-05	4.3975E-05	3.1145E-03	7.3830E-03	8.4807E-03	8.6753E-03	
17	1.208	1.4837E-05	1.9545E-05	-2.5386E-06	-3.4080E-05	4.6563E-05	1.4814E-03	3.4440E-03	3.9779E-03	4.0950E-03	
18	1.170	3.2435E-05	3.8380E-05	-9.6615E-06	-6.2550E-05	1.3772E-04	2.8050E-03	6.4024E-03	7.4332E-03	7.7029E-03	
19	1.100	3.7500E-05	3.5696E-05	-1.6120E-05	-5.9008E-05	2.1750E-04	2.9211E-03	6.4951E-03	7.6037E-03	7.9561E-03	
20	1.030	1.8213E-05	1.7845E-05	-9.4066E-06	-2.3939E-05	1.3080E-04	1.3806E-03	3.0115E-03	3.5448E-03	3.7380E-03	
21	0.9580	1.6723E-05	1.5616E-05	-9.5454E-06	-1.9103E-05	1.3818E-04	1.2792E-03	2.7558E-03	3.2565E-03	3.4514E-03	
22	0.9690	5.1890E-06	4.6941E-06	-3.1460E-06	-5.3121E-06	4.6971E-05	4.0277E-04	8.6064E-04	1.0198E-03	1.0843E-03	
23	0.9600	2.7203E-05	2.3330E-05	-1.8061E-05	-2.1927E-05	2.8709E-04	2.1995E-03	4.6424E-03	5.5213E-03	5.9015E-03	
24	0.9120	1.1032E-06	8.9806E-07	-7.9022E-07	-6.4568E-07	1.3365E-05	9.3599E-06	1.9539E-04	2.3318E-04	2.5037E-04	
25	0.9100	5.4372E-05	3.6826E-05	-4.8279E-05	2.6545E-05	1.0671E-03	5.9819E-03	1.2113E-02	1.4590E-02	1.5865E-02	
26	0.7900	5.6553E-06	1.6158E-06	-6.9742E-06	2.1239E-06	2.3531E-04	1.0738E-03	2.0997E-03	2.5543E-03	2.8170E-03	
27	0.7700	3.2603E-06	9.8587E-08	-4.5929E-06	2.0387E-05	1.8998E-04	8.2323E-04	1.5941E-03	1.9444E-03	2.1525E-03	
28	0.7550	3.3314E-06	-1.9823E-06	-6.3518E-06	4.3746E-05	3.4478E-04	1.4090E-03	2.6973E-03	3.2996E-03	3.6689E-03	
29	0.7300	5.1957E-07	-1.5909E-06	-1.3985E-06	2.1275E-05	1.4840E-04	5.7730E-04	1.0938E-03	1.3415E-03	1.4973E-03	
30	0.7200	-3.0310E-06	-1.1431E-05	-2.3355E-06	1.1110E-04	6.6176E-04	2.3977E-03	4.4734E-03	5.5049E-03	6.1783E-03	
31	0.6800	-2.1234E-06	-4.1232E-06	1.1717E-06	3.5069E-05	1.8370E-04	6.2208E-04	1.1441E-03	1.4123E-03	1.5935E-03	
32	0.6700	-3.3042E-05	-4.4134E-05	4.1082E-05	3.5731E-04	1.5436E-03	4.6906E-03	8.3773E-03	1.0387E-02	1.1817E-02	
33	0.6000	-1.5209E-05	-1.6561E-05	2.5575E-05	1.4579E-04	5.3453E-04	1.4578E-03	2.5223E-03	3.1383E-03	3.5989E-03	
34	0.5600	-5.8745E-05	-5.2581E-05	1.5079E-04	6.1209E-04	1.9438E-03	4.8003E-03	8.0439E-03	1.0013E-02	1.1548E-02	
35	0.5200	-3.8651E-06	8.6083E-07	5.4071E-05	1.5942E-04	4.3640E-04	9.8880E-04	1.6238E-03	2.0221E-03	2.3409E-03	
36	0.5090	-4.2579E-05	-1.1962E-05	2.3063E-04	8.4143E-04	2.1854E-03	4.6637E-03	7.3537E-03	9.1587E-03	1.0603E-02	
37	0.4600	2.8982E-05	1.1049E-04	6.1434E-04	1.4220E-03	3.1726E-03	6.0714E-03	9.1657E-03	1.1214E-02	1.2924E-02	
38	0.4060	4.8339E-04	7.1010E-04	1.6523E-03	2.9904E-03	5.5559E-03	9.4162E-03	1.3367E-02	1.5907E-02	1.7994E-02	
39	0.3400	4.6112E-05	6.1267E-05	1.1297E-04	1.8231E-04	3.0779E-04	4.9035E-04	6.7338E-04	7.8556E-04	8.7415E-04	
40	0.3370	9.4440E-04	1.1973E-03	1.8908E-03	2.8023E-03	4.3990E-03	6.7128E-03	9.0142E-03	1.0355E-02	1.1364E-02	
41	0.3000	2.8728E-03	3.3455E-03	4.2313E-03	5.3170E-03	7.1420E-03	9.9195E-03	1.2736E-02	1.4227E-02	1.5210E-02	
42	0.2560	1.0397E-02	1.1364E-02	1.1857E-02	1.2537E-02	1.3891E-02	1.6714E-02	2.0144E-02	2.2408E-02	2.4207E-02	
43	0.2000	4.6844E-02	5.1074E-02	5.5233E-02	6.0665E-02	7.0084E-02	8.3720E-02	9.5686E-02	0.1032	0.1092	
44	0.1000	6.7172E-02	7.1391E-02	7.5304E-02	7.9905E-02	8.6432E-02	9.2141E-02	9.0649E-02	8.7099E-02	8.3644E-02	
45	5.0000E-02	3.4060E-03	3.5452E-03	3.6126E-03	3.6799E-03	3.7504E-03	3.8154E-03	3.8643E-03	3.8891E-03	3.8780E-03	

TABLE XCII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2380400

(4π photons/cm² sec ster)

	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	2.410	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	2.380	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	2.330	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	2.010	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	1.900	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	1.860	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	1.670	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	1.661	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	1.556	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	1.510	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	1.480	-1.0948E-05	1.7694E-06	1.3724E-05	-1.0871E-05	-5.0671E-05	7.0467E-03	5.4963E-02	7.7417E-02	9.1760E-02
14	1.360	-4.7360E-07	1.3692E-07	6.3513E-07	-9.9311E-07	-2.2314E-06	7.0327E-05	2.2641E-04	2.7808E-04	2.9465E-04
15	1.357	-6.6599E-06	6.1317E-06	1.1884E-05	-2.5903E-05	-3.7105E-05	1.6082E-03	5.0705E-03	6.2365E-03	6.6269E-03
16	1.290	2.2160E-06	1.5303E-05	8.1227E-06	-4.0730E-05	-6.7052E-05	2.0762E-03	6.2567E-03	7.7213E-03	8.2474E-03
17	1.208	4.8053E-06	9.7727E-06	1.2273E-05	-2.1546E-05	1.5628E-05	1.0074E-03	2.9255E-03	3.6213E-03	3.8869E-03
18	1.170	1.4735E-05	2.1762E-05	-2.1702E-06	-4.2024E-05	6.6427E-05	1.9426E-03	5.4484E-03	6.7656E-03	7.3000E-03
19	1.100	2.1499E-05	2.5541E-05	-8.0701E-06	-4.4073E-05	1.2497E-04	2.0708E-03	5.5461E-03	6.9184E-03	7.5228E-03
20	1.030	1.1736E-05	1.2434E-05	-5.6694E-06	-1.9388E-05	8.0552E-05	9.9516E-04	2.5754E-03	3.2241E-03	3.5273E-03
21	0.9580	1.1438E-05	1.1408E-05	-6.2024E-06	-1.6504E-05	8.7875E-05	9.3139E-04	2.3538E-03	2.9611E-03	3.2535E-03
22	0.9690	3.6764E-06	3.5352E-06	-2.1268E-06	-4.8336E-06	3.0386E-05	2.9509E-04	7.3777E-04	9.2709E-04	1.0214E-03
23	0.9600	2.0324E-05	1.8471E-05	-1.2860E-05	-2.2417E-05	1.9022E-04	1.6268E-03	3.9839E-03	5.0178E-03	5.5519E-03
24	0.9120	8.6308E-07	7.4614E-07	-5.8688E-07	-7.6541E-07	9.0109E-06	6.9784E-05	1.6786E-04	2.1184E-04	2.3527E-04
25	0.9100	4.8866E-05	3.5879E-05	-3.9960E-05	-7.4153E-06	7.4970E-04	4.5535E-03	1.0438E-02	1.3241E-02	1.4861E-02
26	0.7900	6.6179E-05	3.4575E-06	-6.7070E-06	1.0031E-05	1.7073E-04	8.3480E-04	1.8149E-03	2.3145E-03	2.6280E-03
27	0.7700	4.4097E-06	1.8743E-06	-4.8168E-06	1.0623E-05	1.3894E-04	6.4347E-04	1.3790E-03	1.7610E-03	2.0058E-03
28	0.7550	6.0956E-06	1.6020E-06	-7.2999E-06	2.4660E-05	2.5442E-04	1.1082E-03	2.3355E-03	2.9865E-03	3.4140E-03
29	0.7300	1.9289E-06	5.5245E-08	-2.5722E-06	1.2584E-05	1.1031E-04	4.5645E-04	9.4789E-04	1.2135E-03	1.3915E-03
30	0.7200	4.1504E-06	-3.2545E-06	-7.1381E-06	6.9441E-05	4.9717E-04	1.9103E-03	3.8806E-03	4.9751E-03	5.7309E-03
31	0.6800	3.8659E-08	-1.7713E-06	-7.3208E-07	2.2789E-05	1.3934E-04	4.9985E-04	9.9350E-04	1.2751E-03	1.4751E-03
32	0.6700	-1.3231E-05	-2.4733E-05	1.7305E-05	2.4505E-04	1.1900E-03	3.8087E-03	7.2867E-03	9.3501E-03	1.0900E-02
33	0.6000	-8.4496E-06	-1.0638E-05	1.5557E-05	1.0408E-04	4.1650E-04	1.1974E-03	2.1971E-03	2.8208E-03	3.3047E-03
34	0.5800	-3.8035E-05	-3.7493E-05	9.9788E-05	4.5208E-04	1.5444E-03	3.9829E-03	7.0109E-03	8.9747E-03	1.0555E-02
35	0.5200	-2.1939E-06	5.4995E-07	3.8689E-05	1.2078E-04	3.5004E-04	8.2277E-04	1.4064E-03	1.7975E-03	2.1201E-03
36	0.5090	-3.4151E-05	-1.4591E-05	2.1125E-04	6.4907E-04	1.7742E-03	3.9202E-03	6.4433E-03	8.1614E-03	9.6084E-03
37	0.4600	9.3477E-06	6.8261E-05	4.6770E-04	1.1301E-03	2.6178E-03	5.1416E-03	7.9733E-03	9.9347E-03	1.1617E-02
38	0.4060	3.4344E-04	5.1834E-04	1.3107E-03	2.4485E-03	4.6619E-03	8.0031E-03	1.1567E-02	1.3975E-02	1.6006E-02
39	0.3400	3.4370E-05	4.6314E-05	9.0951E-05	1.5108E-04	2.6007E-04	4.1658E-04	5.8020E-04	6.8655E-04	7.7255E-04
40	0.3370	7.2640E-04	9.2049E-04	1.5388E-03	2.3391E-03	3.7299E-03	5.6927E-03	7.7386E-03	9.0178E-03	1.0005E-02
41	0.3000	2.3169E-03	2.7057E-03	3.5061E-03	4.4787E-03	6.0674E-03	8.3621E-03	1.0849E-02	1.2305E-02	1.3505E-02
42	0.2560	8.6288E-03	9.6475E-03	1.0052E-02	1.0606E-02	1.1710E-02	1.4046E-02	1.7160E-02	1.9389E-02	2.1227E-02
43	0.2000	4.0371E-02	4.4063E-02	4.7687E-02	5.2430E-02	6.0737E-02	7.3086E-02	8.4980E-02	9.2718E-02	9.9071E-02
44	0.1000	6.0116E-02	6.4212E-02	6.8005E-02	7.2558E-02	7.9322E-02	8.6443E-02	8.8758E-02	8.7765E-02	8.6014E-02
45	5.0000E-02	3.1270E-03	3.2814E-03	3.3549E-03	3.4293E-03	3.5074E-03	3.5839E-03	3.6522E-03	3.7102E-03	3.7561E-03

TABLE XCIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 2380500

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	2.410	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	2.360	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	2.330	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	2.010	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	1.900	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	1.860	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	1.670	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	1.661	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	1.556	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	1.510	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	1.480	-2.3768E-05	-1.3663E-05	1.4797E-05	3.0617E-06	-4.5776E-05	2.3589E-03	3.3328E-02	5.4440E-02	6.8709E-02
14	1.360	-1.1127E-06	-6.2572E-07	7.0116E-07	1.2641E-07	-2.1183E-06	3.3396E-05	1.6549E-04	2.3031E-04	2.6354E-04
15	1.357	-2.1740E-05	-1.1316E-05	1.4233E-05	-7.0942E-07	-4.0990E-05	7.0396E-04	3.7147E-03	5.1667E-03	5.9183E-03
16	1.290	-1.6295E-05	-6.9560E-06	1.3246E-05	-9.5543E-06	-2.9924E-05	1.0668E-03	4.6071E-03	6.4004E-03	7.3508E-03
17	1.208	-5.2394E-06	-6.3433E-07	4.4035E-06	-7.4891E-06	-4.3320E-06	5.3832E-04	2.1635E-03	3.0028E-03	3.4577E-03
18	1.170	-4.0952E-06	3.2416E-06	4.7513E-06	-1.8322E-05	1.3852E-05	1.0747E-03	4.0467E-03	5.6116E-03	6.4805E-03
19	1.100	3.3271E-06	8.6556E-06	1.8729E-06	-2.3112E-05	4.9286E-05	1.1953E-03	4.1437E-03	5.7392E-03	6.6574E-03
20	1.030	3.9701E-06	5.5513E-06	-1.6096E-06	-1.1587E-05	3.7051E-05	5.9139E-04	1.9328E-03	2.6744E-03	3.1137E-03
21	0.9960	4.8428E-06	5.7711E-06	-2.3842E-06	-1.0722E-05	4.3014E-05	5.6308E-04	1.7761E-03	2.4560E-03	2.8664E-03
22	0.9690	1.7328E-06	1.9180E-06	-9.2426E-07	-3.3255E-06	1.5349E-05	1.0027E-04	5.5626E-04	7.6886E-04	8.9876E-04
23	0.9600	1.0963E-05	1.1092E-05	-6.4270E-06	-1.7138E-05	1.0020E-04	1.0097E-03	3.0123E-03	4.1606E-03	4.8759E-03
24	0.9120	5.1483E-07	4.8745E-07	-3.2026E-07	-6.7613E-07	4.8877E-06	4.3883E-05	1.2723E-04	1.7560E-04	2.0626E-04
25	0.9100	3.6786E-05	2.5914E-05	-2.6221E-05	-2.4316E-05	4.3471E-04	2.9617E-03	7.9640E-03	1.0967E-02	1.2963E-02
26	0.7900	6.5512E-06	4.4784E-06	-5.2462E-06	1.1677E-06	1.0397E-04	5.6094E-04	1.3943E-03	1.9137E-03	2.2773E-03
27	0.7700	4.8308E-06	3.1009E-06	-3.9934E-06	2.6235E-06	8.5634E-05	4.3599E-04	1.0614E-03	1.4552E-03	1.7348E-03
28	0.7550	7.7543E-06	4.5579E-06	-6.5819E-06	8.2573E-06	1.5891E-04	7.5802E-04	1.8014E-03	2.4652E-03	2.9461E-03
29	0.7300	2.9419E-06	1.5630E-06	-2.5524E-06	4.8639E-06	6.9653E-05	3.1472E-04	7.3242E-04	1.0014E-03	1.1983E-03
30	0.7200	1.0360E-05	4.3661E-06	-9.0533E-06	3.0552E-05	3.1887E-04	1.3323E-03	3.0064E-03	4.1011E-03	4.9197E-03
31	0.6600	2.1330E-06	5.4917E-07	-1.8041E-06	1.1673E-05	9.0631E-05	3.5236E-04	7.7196E-04	1.0498E-03	1.2621E-03
32	0.6700	6.9011E-06	-3.8485E-06	-1.4129E-06	1.3255E-04	7.9262E-04	2.7321E-03	5.6812E-03	7.6874E-03	9.2709E-03
33	0.6000	-1.1213E-06	-3.6714E-06	5.7775E-06	6.0555E-05	2.8495E-04	9.7394E-04	1.7191E-03	2.3091E-03	2.7910E-03
34	0.5800	-1.3624E-05	-1.7356E-05	5.0626E-05	2.7682E-04	1.0740E-03	2.9469E-03	5.5002E-03	7.3193E-03	8.8502E-03
35	0.5200	1.5321E-07	1.1719E-06	2.2785E-05	7.7714E-05	2.4676E-04	6.1229E-04	1.0965E-03	1.4501E-03	1.7544E-03
36	0.5090	-2.0229E-05	-1.1149E-05	1.2762E-04	4.2958E-04	1.2718E-03	2.9541E-03	5.0627E-03	6.6036E-03	7.9505E-03
37	0.4600	-3.7158E-06	3.1776E-05	3.0462E-04	7.8358E-04	1.9196E-03	3.9143E-03	6.2544E-03	7.9747E-03	9.5018E-03
38	0.4060	1.9690E-04	3.1461E-04	9.0779E-04	1.7753E-03	3.4994E-03	6.1225E-03	9.0064E-03	1.1086E-02	1.2901E-02
39	0.3400	2.1356E-05	2.9651E-05	6.4396E-05	1.1145E-04	1.9710E-04	3.1854E-04	4.4889E-04	5.4077E-04	6.1837E-04
40	0.3370	4.7545E-04	6.1289E-04	1.1060E-03	1.7405E-03	2.8411E-03	4.3428E-03	5.9537E-03	7.0673E-03	7.9734E-03
41	0.3000	1.6375E-03	1.9199E-03	2.5839E-03	3.3812E-03	4.6380E-03	6.3322E-03	8.2505E-03	9.5550E-03	1.0537E-02
42	0.2560	6.1203E-03	7.3421E-03	7.6426E-03	8.0508E-03	8.8631E-03	1.0593E-02	1.3085E-02	1.5079E-02	1.6825E-02
43	0.2000	3.1375E-02	3.4293E-02	3.7145E-02	4.0697E-02	4.7545E-02	5.7711E-02	6.6439E-02	7.5973E-02	8.2372E-02
44	0.1000	4.9153E-02	5.2834E-02	5.6239E-02	6.0413E-02	6.6896E-02	7.4737E-02	8.2189E-02	8.2274E-02	8.3071E-02
45	5.0000E-02	2.6405E-03	2.7980E-03	2.9715E-03	2.9467E-03	3.0252E-03	3.1053E-03	3.1835E-03	3.2577E-03	3.3284E-03

TABLE XCIV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 349110

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	7.8063E-06	7.8098E-06	7.8279E-06	7.8107E-06	7.7380E-06	5.0812E-06	2.3209E-06	1.5704E-06	1.1393E-06
2	2.996	3.8701E-04	3.8720E-04	3.8810E-04	3.8806E-04	3.8365E-04	2.5283E-04	1.1362E-04	7.6943E-05	5.6995E-05
3	2.410	3.4171E-06	3.4331E-06	3.5308E-06	3.5926E-06	3.4380E-06	1.4884E-06	2.3862E-07	1.1602E-07	2.0861E-07
4	2.380	1.3285E-05	1.3311E-05	1.3473E-05	1.3549E-05	1.3215E-05	7.7805E-06	2.9202E-06	1.5092E-06	1.5934E-06
5	2.330	1.5621E-03	1.5620E-03	1.5634E-03	1.5599E-03	1.5433E-03	1.0819E-03	5.0424E-04	3.4313E-04	2.5453E-04
6	2.010	8.4377E-05	8.4603E-05	8.6227E-05	8.7208E-05	8.3594E-05	3.9712E-05	7.8785E-06	3.8273E-06	5.3789E-06
7	1.900	1.3401E-04	1.3404E-04	1.3447E-04	1.3442E-04	1.3215E-04	9.0779E-05	4.0584E-05	2.7277E-05	2.0032E-05
8	1.860	4.3549E-03	4.3520E-03	4.3501E-03	4.3376E-03	4.2943E-03	3.1755E-03	1.5372E-03	1.0529E-03	7.8116E-04
9	1.670	2.3163E-04	2.3155E-04	2.3146E-04	2.3090E-04	2.2839E-04	1.0877E-04	8.1191E-05	5.5500E-05	4.1470E-05
10	1.661	5.6634E-04	5.6662E-04	5.7072E-04	5.7263E-04	5.5638E-04	3.3694E-04	1.1911E-04	7.3475E-05	6.3204E-05
11	1.556	2.7948E-04	2.7963E-04	2.8149E-04	2.8216E-04	2.7378E-04	1.7123E-04	6.4170E-05	3.9960E-05	3.3010E-05
12	1.510	4.7506E-04	4.7493E-04	4.7549E-04	4.7475E-04	4.6698E-04	3.3942E-04	1.5891E-04	1.0716E-04	8.1068E-05
13	1.480	1.9038E-03	1.9033E-03	1.9063E-03	1.9036E-03	1.8681E-03	1.3500E-03	6.2500E-04	4.1830E-04	3.1713E-04
14	1.360	1.4022E-05	1.4042E-05	1.4215E-05	1.4203E-05	1.3493E-05	6.7693E-06	1.3120E-06	3.9737E-07	5.3147E-07
15	1.357	3.5594E-04	3.5630E-04	3.6020E-04	3.6131E-04	3.4224E-04	1.8478E-04	4.7468E-05	2.0802E-05	1.9753E-05
16	1.290	1.5838E-03	1.5826E-03	1.5840E-03	1.5811E-03	1.5466E-03	1.1432E-03	5.4203E-04	3.6141E-04	2.7033E-04
17	1.208	3.1682E-04	3.1703E-04	3.1907E-04	3.1885E-04	3.0344E-04	1.8592E-04	6.4877E-05	3.5408E-05	2.7254E-05
18	1.170	3.0121E-03	3.0103E-03	3.0077E-03	2.9984E-03	2.9515E-03	2.3708E-03	1.1808E-03	8.0726E-04	5.9954E-04
19	1.100	7.4240E-04	7.4269E-04	7.4638E-04	7.4444E-04	7.0345E-04	4.1872E-04	1.3313E-04	6.3187E-05	4.6167E-05
20	1.030	3.0250E-04	3.0273E-04	3.0440E-04	3.0296E-04	2.8194E-04	1.5830E-04	4.3869E-05	1.5419E-05	9.0968E-06
21	0.9900	2.8116E-04	2.8136E-04	2.8275E-04	2.8097E-04	2.6039E-04	1.4811E-04	4.3278E-05	1.5641E-05	8.2144E-06
22	0.9690	1.3884E-04	1.3886E-04	1.3912E-04	1.3836E-04	1.3133E-04	8.9398E-05	3.7926E-05	2.2049E-05	1.5061E-05
23	0.9600	9.1515E-04	9.1503E-04	9.1572E-04	9.0991E-04	8.6913E-04	6.2016E-04	2.8252E-04	1.7264E-04	1.1940E-04
24	0.9120	2.1341E-05	2.1354E-05	2.1412E-05	2.1194E-05	1.9481E-05	1.1273E-05	3.5079E-06	1.2442E-06	4.8214E-07
25	0.9100	1.6603E-03	1.6606E-03	1.6599E-03	1.6385E-03	1.5155E-03	9.7701E-04	3.8993E-04	1.9250E-04	1.0176E-04
26	0.7900	4.2531E-04	4.2517E-04	4.2387E-04	4.1824E-04	3.9327E-04	2.8681E-04	1.3891E-04	8.3011E-05	5.1963E-05
27	0.7700	7.9695E-04	7.9637E-04	7.9395E-04	7.8780E-04	7.6595E-04	6.3130E-04	3.4087E-04	2.3555E-04	1.6795E-04
28	0.7550	3.8783E-04	3.8769E-04	3.8560E-04	3.7769E-04	3.4380E-04	2.2053E-04	8.9107E-05	4.0230E-05	1.5401E-05
29	0.7300	1.5508E-04	1.5501E-04	1.5400E-04	1.5053E-04	1.3633E-04	8.7165E-05	3.5523E-05	1.5723E-05	5.3341E-06
30	0.7200	7.4271E-04	7.4223E-04	7.3669E-04	7.2037E-04	6.5882E-04	4.4974E-04	2.0463E-04	1.0610E-04	5.0396E-05
31	0.6800	1.6053E-04	1.6040E-04	1.5875E-04	1.5419E-04	1.3783E-04	8.0131E-05	3.7334E-05	1.6119E-05	3.9496E-06
32	0.6700	6.7673E-03	6.7600E-03	6.7294E-03	6.6750E-03	6.5163E-03	5.5472E-03	3.1704E-03	2.1890E-03	1.5794E-03
33	0.6000	6.6538E-04	6.6415E-04	6.5678E-04	6.4250E-04	5.9524E-04	4.0746E-04	1.7323E-04	8.5366E-05	4.1187E-05
34	0.5900	2.0547E-03	2.0505E-03	2.0225E-03	1.9678E-03	1.7971E-03	1.2291E-03	5.5397E-04	2.7434E-04	1.1653E-04
35	0.5200	4.6261E-04	4.6123E-04	4.5384E-04	4.4011E-04	4.0086E-04	2.8731E-04	1.5369E-04	9.2515E-05	5.4173E-05
36	0.5030	1.9960E-03	1.9912E-03	1.9549E-03	1.8977E-03	1.7023E-03	1.2131E-03	6.3195E-04	3.5212E-04	1.6804E-04
37	0.4600	2.3967E-03	2.3873E-03	2.3704E-03	2.3269E-03	1.9740E-03	1.4200E-03	8.0633E-04	4.7857E-04	2.4421E-04
38	0.4050	7.3126E-03	7.2874E-03	7.1652E-03	6.9797E-03	6.5676E-03	5.5276E-03	3.4959E-03	2.4596E-03	1.7483E-03
39	0.3400	2.3764E-04	2.3623E-04	2.2969E-04	2.2004E-04	1.9894E-04	1.5141E-04	9.2275E-05	6.2739E-05	4.3154E-05
40	0.3370	3.1603E-03	3.1393E-03	3.0481E-03	2.9144E-03	2.6260E-03	2.0199E-03	1.3056E-03	9.2460E-04	6.7857E-04
41	0.3000	6.5647E-03	6.5247E-03	6.3851E-03	6.1880E-03	5.7781E-03	4.8789E-03	3.4069E-03	2.6219E-03	2.0780E-03
42	0.2500	9.6019E-03	9.5191E-03	9.3253E-03	9.0475E-03	8.4670E-03	7.2335E-03	5.5966E-03	4.6784E-03	4.0135E-03
43	0.2000	4.2429E-02	4.1875E-02	4.0760E-02	3.9261E-02	3.6500E-02	3.1893E-02	2.6874E-02	2.3809E-02	2.1458E-02
44	0.1800	6.0141E-02	6.0094E-02	5.7121E-02	5.4566E-02	5.0158E-02	4.3240E-02	3.4728E-02	2.9283E-02	2.5138E-02
45	5.0000E-02	2.6748E-03	2.6188E-03	2.5661E-03	2.5080E-03	2.4484E-03	2.3820E-03	2.2999E-03	2.1829E-03	2.0172E-03

TABLE XCV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 359100

(4π photons/cm² sec ster)

UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1 3.080	1.6035E-09	1.3141E-09	-8.0740E-10	-1.9810E-09	9.2726E-07	5.0769E-06	2.3231E-06	1.5710E-06	1.1376E-06
2 2.995	6.0102E-07	4.8645E-07	-3.4323E-07	-6.9701E-07	4.8017E-05	2.5031E-04	1.1451E-04	7.7103E-05	5.6345E-05
3 2.410	5.0677E-08	4.6986E-08	-3.4677E-08	-6.4559E-08	3.7050E-07	1.2590E-06	3.3637E-07	1.4359E-07	1.4065E-07
4 2.300	9.7276E-08	7.7489E-08	-5.0127E-08	-1.0447E-07	1.6463E-06	7.3773E-06	3.0815E-06	1.5667E-06	1.4790E-06
5 2.330	2.4347E-06	1.9775E-06	-1.4042E-06	-2.7680E-06	2.1520E-04	1.0729E-03	5.0301E-04	3.4414E-04	2.5194E-04
6 2.010	1.3665E-06	1.0941E-06	-8.1829E-07	-1.4377E-06	9.9213E-06	3.3391E-05	9.5875E-06	4.4579E-06	3.6872E-06
7 1.900	4.0870E-07	3.0573E-07	-3.0112E-07	-4.7457E-07	1.9237E-05	8.8364E-05	4.1234E-05	2.7523E-05	2.0278E-05
8 1.860	6.5340E-06	5.3219E-06	-3.8045E-06	-7.1690E-06	6.6294E-04	3.1583E-03	1.5466E-03	1.0558E-03	7.7464E-04
9 1.670	5.0354E-07	4.1103E-07	-2.9397E-07	-5.5221E-07	3.5895E-04	1.6683E-04	8.1639E-05	5.5698E-05	4.0978E-05
10 1.661	5.7620E-06	4.6323E-06	-3.4657E-06	-5.8055E-06	7.8626E-06	3.1053E-04	1.2724E-04	7.5982E-05	5.7360E-05
11 1.556	2.3694E-06	1.8583E-06	-1.4903E-06	-2.0307E-06	4.0584E-05	1.5770E-04	6.7486E-05	4.1151E-05	3.0464E-05
12 1.510	1.5597E-06	1.2120E-06	-9.9618E-07	-1.2310E-06	7.5948E-05	3.2964E-04	1.6107E-04	1.0798E-04	7.9303E-05
13 1.480	6.9973E-06	5.3884E-06	-4.5278E-06	-4.8024E-06	3.0655E-04	1.3005E-03	6.3428E-04	4.2214E-04	3.0945E-04
14 1.360	1.8576E-07	1.4151E-07	-1.2198E-07	-1.0695E-07	1.6801E-06	5.2976E-06	1.5307E-06	5.0561E-07	3.2526E-07
15 1.357	3.7690E-06	2.7961E-06	-2.5309E-06	-1.4332E-06	5.0724E-05	1.4927E-04	5.2061E-05	2.3286E-05	1.5363E-05
16 1.290	4.4530E-06	3.2031E-06	-3.0984E-06	-2.3594E-07	2.7241E-04	1.0903E-03	5.4857E-04	3.6455E-04	2.6495E-04
17 1.208	2.0164E-06	1.4111E-06	-1.4150E-06	5.5670E-07	4.9913E-05	1.5697E-04	6.0649E-05	3.6930E-05	2.4762E-05
18 1.170	4.7744E-06	3.4745E-06	-3.1287E-06	9.0464E-07	5.5391E-04	2.5606E-03	1.1643E-03	8.1040E-04	5.9317E-04
19 1.100	4.9294E-06	3.5010E-06	-3.1350E-06	3.4360E-06	1.1696E-04	3.3659E-04	1.3493E-04	6.6519E-05	4.0611E-05
20 1.030	1.4927E-06	9.0191E-07	-9.5370E-07	3.7881E-06	4.7654E-05	1.1532E-04	4.2887E-05	1.6787E-05	7.1868E-06
21 0.9990	8.0379E-07	3.9934E-07	-5.3186E-07	4.8061E-06	4.5431E-05	1.0592E-04	4.1205E-05	1.6737E-05	6.7470E-06
22 0.9690	1.8922E-07	4.8623E-08	-9.7790E-08	1.7508E-06	2.4870E-05	7.5627E-05	3.7035E-05	2.2355E-05	1.4091E-05
23 0.9600	5.7690E-07	9.0306E-08	-5.3766E-08	1.1277E-05	1.6978E-04	5.4022E-04	2.7987E-04	1.7403E-04	1.1784E-04
24 0.9120	7.6831E-09	-1.6225E-08	1.8134E-08	5.4435E-07	3.5680E-06	7.6921E-06	3.1950E-06	1.2904E-06	4.3384E-07
25 0.9100	-3.6438E-06	-4.2800E-06	6.3175E-06	4.8989E-05	2.9970E-04	7.1929E-04	3.5140E-04	1.9149E-04	1.0264E-04
26 0.7900	-1.3069E-06	-1.2155E-06	2.2081E-06	1.1559E-05	8.4030E-05	2.3470E-04	1.2657E-04	8.1848E-05	5.2838E-05
27 0.7700	-9.0468E-07	-8.0451E-07	1.8685E-06	9.1064E-06	1.7141E-04	5.6976E-04	3.3640E-04	2.3444E-04	1.6863E-04
28 0.7550	-1.5324E-06	-1.2060E-06	3.6695E-06	1.6489E-05	7.0214E-05	1.4629E-04	7.3627E-05	3.7809E-05	1.6676E-05
29 0.7300	-7.2810E-07	-5.8937E-07	1.7362E-06	7.2773E-06	2.8102E-05	5.5785E-05	2.8364E-05	1.4510E-05	5.9553E-06
30 0.7200	-3.4189E-06	-2.5976E-05	8.6583E-06	3.3244E-05	1.4153E-04	3.1330E-04	1.7077E-04	9.9516E-05	5.3435E-05
31 0.6800	-9.5903E-07	-6.7964E-07	2.6058E-06	9.4103E-06	2.9367E-05	5.1172E-05	2.7440E-05	1.3972E-05	4.8441E-06
32 0.6700	1.5415E-06	3.7722E-06	2.0821E-05	6.0153E-05	1.5459E-03	5.2269E-03	3.0900E-03	2.1675E-03	1.5816E-03
33 0.6000	2.1605E-06	2.9141E-06	7.7341E-06	2.3993E-05	1.2084E-04	2.9102E-04	1.4392E-04	7.6386E-05	4.0382E-05
34 0.5900	3.5473E-06	7.2636E-06	3.7327E-05	1.0719E-04	3.8775E-04	8.0228E-04	4.2821E-04	2.3322E-04	1.1334E-04
35 0.5200	5.5647E-06	7.0745E-06	1.6233E-05	3.3397E-05	9.3011E-05	1.7599E-04	1.0780E-04	6.0000E-05	4.0594E-05
36 0.5090	6.1176E-06	1.2964E-05	5.9030E-05	1.4292E-04	4.0090E-04	7.3411E-04	4.5667E-04	2.8355E-04	1.5571E-04
37 0.4600	2.3333E-05	3.0040E-05	1.0897E-04	2.1802E-04	4.7594E-04	7.4020E-04	5.1571E-04	3.4653E-04	2.0424E-04
38 0.4050	1.1084E-04	1.3550E-04	2.2720E-04	3.7790E-04	1.7408E-03	4.3306E-03	2.9138E-03	2.1331E-03	1.5828E-03
39 0.3400	8.4309E-06	9.8609E-06	1.4169E-05	2.1712E-05	4.6496E-05	8.3244E-05	5.7143E-05	4.1089E-05	3.0155E-05
40 0.3370	1.4137E-04	1.6266E-04	2.2508E-04	3.3149E-04	6.3270E-04	1.0304E-03	7.6845E-04	5.7827E-04	4.4520E-04
41 0.3000	3.2583E-04	3.6387E-04	4.4958E-04	5.9718E-04	1.5717E-03	3.1965E-03	2.3538E-03	1.8403E-03	1.4768E-03
42 0.2550	8.5424E-04	9.7643E-04	1.1655E-03	1.4645E-03	2.3703E-03	3.5587E-03	2.8976E-03	2.4136E-03	2.0399E-03
43 0.2000	5.6056E-03	6.1458E-03	6.8308E-03	7.7545E-03	9.4814E-03	1.0815E-02	9.8813E-03	8.8912E-03	8.1105E-03
44 0.1800	8.1977E-03	8.4952E-03	9.0805E-03	9.8144E-03	1.1610E-02	1.3814E-02	1.1100E-02	9.5374E-03	8.2625E-03
45 5.0000E-02	4.3610E-04	4.4983E-04	4.6914E-04	5.0317E-04	6.8319E-04	9.2148E-04	9.2231E-04	8.9798E-04	8.4506E-04

TABLE XCVI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 369100

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	4.1337E-06	4.3053E-06	4.9430E-06	5.9020E-06	7.5796E-06	5.0819E-06	2.3203E-06	1.5702E-06	1.1394E-06
2	2.996	2.0360E-04	2.1206E-04	2.4430E-04	2.9308E-04	3.7445E-04	2.5303E-04	1.1368E-04	7.6782E-05	5.7004E-05
3	2.410	7.9646E-07	8.6157E-07	1.2184E-06	1.8793E-06	3.0510E-06	1.5060E-06	2.4350E-07	1.1040E-07	2.1011E-07
4	2.380	5.6986E-06	5.9773E-06	7.1979E-06	9.1922E-06	1.2479E-05	7.0097E-06	2.9276E-06	1.9001E-06	1.5953E-06
5	2.330	8.8356E-04	9.1841E-04	1.0432E-03	1.2390E-03	1.5179E-03	1.0022E-03	5.0427E-04	3.4234E-04	2.5464E-04
6	2.010	2.2433E-05	2.4277E-05	3.3774E-05	5.0125E-05	7.5949E-05	4.0053E-05	7.9195E-06	3.7040E-06	5.4544E-06
7	1.900	7.2088E-05	7.5092E-05	8.6941E-05	1.0435E-04	1.2059E-04	9.0883E-05	4.0610E-05	2.7230E-05	2.0852E-05
8	1.800	2.6320E-03	2.7308E-03	3.0927E-03	3.5955E-03	4.2461E-03	3.1770E-03	1.5371E-03	1.0524E-03	7.8172E-04
9	1.670	1.3930E-04	1.4454E-04	1.6400E-04	1.9121E-04	2.2545E-04	1.6038E-04	8.1179E-05	5.5456E-05	4.1516E-05
10	1.661	2.3819E-04	2.5164E-04	3.1146E-04	4.0345E-04	5.2864E-04	3.3793E-04	1.1904E-04	7.2984E-05	6.3681E-05
11	1.556	1.2332E-04	1.3001E-04	1.5919E-04	2.0294E-04	2.6027E-04	1.7161E-04	6.4223E-05	3.9770E-05	3.3160E-05
12	1.510	2.7416E-04	2.8507E-04	3.2723E-04	3.6503E-04	4.5670E-04	3.3958E-04	1.5856E-04	1.0704E-04	8.1103E-05
13	1.480	1.0805E-03	1.1240E-03	1.2977E-03	1.5372E-03	1.8200E-03	1.3503E-03	6.2527E-04	4.1775E-04	3.1755E-04
14	1.360	3.6093E-06	3.9901E-06	5.0311E-06	6.4117E-06	1.2240E-05	6.7664E-06	1.3201E-06	3.8441E-07	5.4169E-07
15	1.357	1.0840E-04	1.1805E-04	1.6203E-04	2.2958E-04	3.1263E-04	1.8439E-04	4.7732E-05	2.0641E-05	1.9912E-05
16	1.290	9.1832E-04	9.5564E-04	1.0999E-03	1.2927E-03	1.5029E-03	1.1419E-03	5.4243E-04	3.6117E-04	2.7040E-04
17	1.208	1.2430E-04	1.3291E-04	1.7005E-04	2.2211E-04	2.8136E-04	1.8495E-04	6.5080E-05	3.5320E-05	2.7250E-05
18	1.170	1.9391E-03	2.0079E-03	2.2605E-03	2.5019E-03	2.9015E-03	2.3184E-03	1.1810E-03	8.0706E-04	5.9879E-04
19	1.100	2.6687E-04	2.8042E-04	3.0169E-04	5.0915E-04	6.4607E-04	4.1492E-04	1.3343E-04	6.3020E-05	4.6394E-05
20	1.030	9.1723E-05	1.0103E-04	1.4146E-04	1.9590E-04	2.5334E-04	1.5591E-04	4.4032E-05	1.5417E-05	9.1054E-06
21	0.9980	8.6645E-05	9.5341E-05	1.3264E-04	1.0193E-04	2.3262E-04	1.4536E-04	4.3434E-05	1.5684E-05	8.1690E-06
22	0.9690	6.5021E-05	6.8819E-05	8.4039E-05	1.0346E-04	1.2232E-04	8.8436E-05	3.7977E-05	2.2069E-05	1.5030E-05
23	0.9500	4.7094E-04	4.9515E-04	5.8916E-04	7.0731E-04	8.1755E-04	6.1405E-04	2.8272E-04	1.7280E-04	1.1924E-04
24	0.9120	6.6572E-06	7.3343E-06	1.0149E-05	1.3738E-05	1.7215E-05	1.0983E-05	3.5132E-06	1.2525E-06	4.7460E-07
25	0.9100	6.5938E-04	7.0927E-04	8.0523E-04	1.1434E-03	1.3560E-03	9.5174E-04	3.8047E-04	1.9332E-04	1.0104E-04
26	0.7900	2.1589E-04	2.3143E-04	2.7394E-04	3.2267E-04	3.6200E-04	2.8081E-04	1.3054E-04	8.3180E-05	5.1823E-05
27	0.7700	5.3646E-04	5.5464E-04	6.1763E-04	6.0834E-04	7.4127E-04	6.2633E-04	3.4648E-04	2.3667E-04	1.6787E-04
28	0.7550	1.4788E-04	1.6003E-04	2.0569E-04	2.5000E-04	3.0057E-04	2.1143E-04	8.8234E-05	4.0395E-05	1.5286E-05
29	0.7300	5.8283E-05	6.3211E-05	8.1343E-05	1.0190E-04	1.1810E-04	8.3163E-05	3.5097E-05	1.5704E-05	5.2904E-06
30	0.7200	3.2454E-04	3.4673E-04	4.2629E-04	5.1437E-04	5.8064E-04	4.3130E-04	2.0234E-04	1.0627E-04	5.0230E-05
31	0.6800	5.9447E-05	6.4559E-05	8.2700E-05	1.0243E-04	1.1685E-04	8.2064E-05	3.6587E-05	1.6134E-05	3.9142E-06
32	0.6700	4.8358E-03	4.9834E-03	5.4755E-03	5.9955E-03	6.3434E-03	5.5015E-03	3.1612E-03	2.1879E-03	1.5800E-03
33	0.6000	3.0487E-04	3.2581E-04	3.9692E-04	4.7921E-04	5.3633E-04	3.9033E-04	1.6920E-04	8.4551E-05	4.1630E-05
34	0.5800	9.4011E-04	1.0039E-03	1.2172E-03	1.4419E-03	1.5863E-03	1.1630E-03	5.3694E-04	2.7030E-04	1.1724E-04
35	0.5200	2.3360E-04	2.4641E-04	2.8717E-04	3.2821E-04	3.5083E-04	2.6853E-04	1.1600E-04	8.8141E-05	5.1153E-05
36	0.5090	9.9962E-04	1.0550E-03	1.2264E-03	1.3920E-03	1.4727E-03	1.1300E-03	6.0530E-04	3.4367E-04	1.0684E-04
37	0.4600	1.2391E-03	1.2999E-03	1.4050E-03	1.6129E-03	1.6540E-03	1.2072E-03	7.5746E-04	4.5920E-04	2.3944E-04
38	0.4000	5.1333E-03	5.2714E-03	5.6435E-03	5.9661E-03	6.0393E-03	5.2037E-03	3.3767E-03	2.4007E-03	1.7454E-03
39	0.3400	1.4310E-04	1.4791E-04	1.5981E-04	1.6996E-04	1.7020E-04	1.3631E-04	8.4523E-05	5.0451E-05	4.1213E-05
40	0.3370	1.9569E-03	2.0130E-03	2.1424E-03	2.2471E-03	2.2471E-03	1.7957E-03	1.1815E-03	8.5980E-04	6.3848E-04
41	0.3000	4.7327E-03	4.8223E-03	5.0389E-03	5.2080E-03	5.1613E-03	4.4937E-03	3.1532E-03	2.4402E-03	1.9505E-03
42	0.2560	6.8316E-03	6.9317E-03	7.2117E-03	7.4202E-03	7.3425E-03	6.4204E-03	4.9461E-03	4.1030E-03	3.4936E-03
43	0.2000	2.8876E-02	2.9056E-02	2.9640E-02	2.9939E-02	2.9311E-02	2.6399E-02	2.2421E-02	1.9975E-02	1.7951E-02
44	0.1000	4.0000E-02	3.9965E-02	4.0057E-02	3.9695E-02	3.8041E-02	3.3771E-02	2.7405E-02	2.3200E-02	1.9966E-02
45	5.0000E-02	2.8720E-03	2.8453E-03	2.8186E-03	1.9898E-03	1.9556E-03	1.9140E-03	1.8571E-03	1.7700E-03	1.6400E-03

TABLE XCVII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 3791100

(4 π photons/cm² sec star)

	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	6.1874E-06	6.2942E-06	6.7666E-06	7.3166E-06	7.7337E-06	5.0815E-06	2.3200E-06	1.5702E-06	1.1390E-06
2	2.996	3.0525E-04	3.1075E-04	3.3531E-04	3.6345E-04	3.8311E-04	2.5291E-04	1.1355E-04	7.6793E-05	5.7069E-05
3	2.410	1.0223E-06	1.9150E-06	2.3843E-06	2.9793E-06	3.3041E-06	1.4972E-06	2.3201E-07	1.1174E-07	2.1664E-07
4	2.380	9.3522E-06	9.5937E-06	1.0602E-05	1.2204E-05	1.3122E-05	7.7953E-06	2.9092E-06	1.9020E-06	1.6062E-06
5	2.330	1.2054E-03	1.3056E-03	1.3941E-03	1.4385E-03	1.5416E-03	1.6018E-03	5.0396E-04	3.4297E-04	2.5484E-04
6	2.010	4.9336E-05	5.1549E-05	6.2603E-05	7.5280E-05	8.2594E-05	3.9870E-05	7.7296E-06	3.7396E-06	5.5556E-06
7	1.900	1.0727E-04	1.0921E-04	1.1794E-04	1.2713E-04	1.3176E-04	9.0836E-05	4.0531E-05	2.7245E-05	2.0896E-05
8	1.860	3.7160E-03	3.7673E-03	3.9832E-03	4.1968E-03	4.2915E-03	3.1761E-03	1.5365E-03	1.0526E-03	7.8193E-04
9	1.670	1.9723E-04	1.9997E-04	2.1174E-04	2.2329E-04	2.2816E-04	1.6881E-04	8.1141E-05	5.5474E-05	4.1527E-05
10	1.661	4.0865E-04	4.1986E-04	4.7231E-04	5.2767E-04	5.5314E-04	3.3733E-04	1.1854E-04	7.3155E-05	6.3881E-05
11	1.556	2.0590E-04	2.1122E-04	2.3581E-04	2.6122E-04	2.7198E-04	1.7150E-04	6.3926E-05	3.9822E-05	3.3294E-05
12	1.510	3.9601E-04	4.0222E-04	4.2937E-04	4.5575E-04	4.6566E-04	3.3955E-04	1.5875E-04	1.0706E-04	8.1196E-05
13	1.460	1.5756E-03	1.6014E-03	1.7143E-03	1.8231E-03	1.8613E-03	1.3505E-03	6.2433E-04	4.1763E-04	3.1796E-04
14	1.360	8.6547E-06	9.0358E-06	1.0315E-05	1.2635E-05	1.3300E-05	6.7822E-06	1.2946E-06	3.8646E-07	5.5322E-07
15	1.357	2.3131E-04	2.4027E-04	2.8157E-04	3.2316E-04	3.3726E-04	1.6501E-04	4.7114E-05	2.0640E-05	2.0209E-05
16	1.290	1.3253E-03	1.3461E-03	1.4351E-03	1.5171E-03	1.5390E-03	1.1434E-03	5.4163E-04	3.6113E-04	2.7086E-04
17	1.208	2.2681E-04	2.3354E-04	2.6341E-04	2.9197E-04	2.9925E-04	1.0592E-04	4.4705E-05	3.5280E-05	2.7493E-05
18	1.170	2.6509E-03	2.6821E-03	2.8107E-03	2.9205E-03	2.9424E-03	2.3207E-03	1.1604E-03	8.0700E-04	5.9903E-04
19	1.100	5.2514E-04	5.4172E-04	6.1349E-04	6.7991E-04	6.9210E-04	4.1834E-04	1.3283E-04	6.2935E-05	4.6854E-05
20	1.030	2.0399E-04	2.1143E-04	2.4325E-04	2.7220E-04	2.7578E-04	1.5797E-04	4.3755E-05	1.5326E-05	9.2627E-06
21	0.9980	1.9066E-04	1.9748E-04	2.2632E-04	2.5213E-04	2.5421E-04	1.4771E-04	4.3206E-05	1.5574E-05	8.3297E-06
22	0.9630	1.0755E-04	1.0993E-04	1.2010E-04	1.2884E-04	1.2929E-04	8.9249E-05	3.7910E-05	2.2031E-05	1.5093E-05
23	0.9600	7.3521E-04	7.4947E-04	8.0753E-04	8.5640E-04	8.5714E-04	6.1914E-04	2.0246E-04	1.7257E-04	1.1951E-04
24	0.9120	1.4637E-05	1.5142E-05	1.7206E-05	1.8983E-05	1.8939E-05	1.1222E-05	3.5065E-06	1.2422E-06	4.8496E-07
25	0.9100	1.2250E-03	1.2506E-03	1.3071E-03	1.4916E-03	1.4749E-03	9.7193E-04	3.9007E-04	1.9257E-04	1.0156E-04
26	0.7900	3.4412E-04	3.5033E-04	3.7345E-04	3.9078E-04	3.8481E-04	2.6549E-04	1.3993E-04	8.3050E-05	5.1069E-05
27	0.7700	7.1466E-04	7.2161E-04	7.4718E-04	7.6490E-04	7.5922E-04	6.3019E-04	3.4687E-04	2.3559E-04	1.6787E-04
28	0.7550	2.8701E-04	2.9441E-04	3.2125E-04	3.4117E-04	3.3185E-04	2.1842E-04	8.9082E-05	4.0304E-05	1.5261E-05
29	0.7300	1.1446E-04	1.1741E-04	1.2790E-04	1.3550E-04	1.3121E-04	8.6217E-05	3.5505E-05	1.5757E-05	5.2695E-06
30	0.7200	5.7349E-04	5.8572E-04	6.2602E-04	6.5721E-04	6.3533E-04	4.4525E-04	2.0447E-04	1.0625E-04	5.0091E-05
31	0.6800	1.1860E-04	1.2153E-04	1.3130E-04	1.3777E-04	1.3168E-04	8.6812E-05	3.7268E-05	1.6159E-05	3.8650E-06
32	0.6700	5.2379E-03	5.2832E-03	5.4385E-03	5.5311E-03	5.4663E-03	5.5351E-03	3.1690E-03	2.1891E-03	1.5795E-03
33	0.6000	5.3904E-04	5.4845E-04	5.7910E-04	5.9833E-04	5.7826E-04	4.0208E-04	1.7246E-04	8.5250E-05	4.1125E-05
34	0.5800	1.6653E-03	1.6930E-03	1.7762E-03	1.8207E-03	1.7356E-03	1.2108E-03	5.5020E-04	2.7375E-04	1.1622E-04
35	0.5200	3.8405E-04	3.8966E-04	4.0329E-04	4.0842E-04	3.8612E-04	2.0195E-04	1.5160E-04	9.1268E-05	5.3154E-05
36	0.5000	1.6590E-03	1.6804E-03	1.7319E-03	1.7445E-03	1.6340E-03	1.1889E-03	6.2531E-04	3.5025E-04	1.6759E-04
37	0.4600	2.0123E-03	2.0313E-03	2.0624E-03	2.0445E-03	1.8787E-03	1.3917E-03	7.9273E-04	4.7370E-04	2.4321E-04
38	0.4000	6.7254E-03	6.7494E-03	6.7714E-03	6.7073E-03	6.4030E-03	5.4497E-03	3.4007E-03	2.4424E-03	1.7434E-03
39	0.3400	2.1046E-04	2.1113E-04	2.1066E-04	2.0634E-04	1.9045E-04	1.4674E-04	8.9691E-05	6.1490E-05	4.2693E-05
40	0.3370	2.8146E-03	2.8191E-03	2.8010E-03	2.7323E-03	2.5085E-03	1.9506E-03	1.2669E-03	9.1226E-04	6.6820E-04
41	0.3000	6.0874E-03	6.0841E-03	6.0460E-03	5.9340E-03	5.6027E-03	4.7604E-03	3.3274E-03	2.5668E-03	2.0407E-03
42	0.2550	0.8679E-03	0.8363E-03	0.7846E-03	0.6272E-03	0.1592E-03	6.9977E-03	5.4809E-03	4.4993E-03	3.8468E-03
43	0.2000	3.8369E-02	3.8063E-02	3.7537E-02	3.6599E-02	3.4454E-02	3.0323E-02	2.5594E-02	2.2683E-02	2.0447E-02
44	0.1000	5.3727E-02	5.3037E-02	5.1806E-02	4.9956E-02	4.6481E-02	4.0388E-02	3.2529E-02	2.7460E-02	2.3590E-02
45	5.0000E-02	2.4901E-03	2.4440E-03	2.3982E-03	2.3497E-03	2.2984E-03	2.2396E-03	2.1652E-03	2.0574E-03	1.9029E-03

TABLE XCVIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 3492100

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.020	6.413E-06	6.462E-06	6.642E-06	6.857E-06	7.203E-06	4.981E-06	2.265E-06	1.550E-06	1.127E-06
2	2.996	3.17E-04	3.208E-04	3.294E-04	3.405E-04	3.570E-04	2.478E-04	1.119E-04	7.556E-05	5.635E-05
3	2.410	2.540E-06	2.573E-06	2.754E-06	2.966E-06	3.119E-06	1.454E-06	2.432E-07	1.155E-07	2.027E-07
4	2.380	1.856E-05	1.866E-05	1.111E-05	1.165E-05	1.219E-05	7.617E-06	2.887E-06	1.886E-06	1.570E-06
5	2.330	1.298E-03	1.308E-03	1.341E-03	1.381E-03	1.441E-03	1.059E-03	4.967E-04	3.387E-04	2.517E-04
6	2.010	6.391E-05	6.463E-05	6.847E-05	7.303E-05	7.625E-05	3.879E-05	7.919E-06	3.805E-06	5.246E-06
7	1.900	1.105E-04	1.114E-04	1.146E-04	1.185E-04	1.231E-04	8.887E-05	4.001E-05	2.638E-05	2.058E-05
8	1.860	3.664E-03	3.687E-03	3.771E-03	3.873E-03	4.023E-03	3.110E-03	1.514E-03	1.039E-03	7.725E-04
9	1.670	1.947E-04	1.960E-04	2.005E-04	2.061E-04	2.139E-04	1.652E-04	7.997E-05	5.479E-05	4.100E-05
10	1.661	4.524E-04	4.562E-04	4.740E-04	4.956E-04	5.145E-04	3.293E-04	1.179E-04	7.265E-05	6.226E-05
11	1.556	2.245E-04	2.264E-04	2.350E-04	2.451E-04	2.534E-04	1.673E-04	6.345E-05	3.951E-05	3.253E-05
12	1.510	3.367E-04	3.394E-04	4.097E-04	4.221E-04	4.365E-04	3.320E-04	1.566E-04	1.058E-04	8.006E-05
13	1.480	1.585E-03	1.597E-03	1.638E-03	1.690E-03	1.744E-03	1.320E-03	6.160E-04	4.131E-04	3.133E-04
14	1.360	1.069E-05	1.081E-05	1.139E-05	1.205E-05	1.232E-05	6.579E-06	1.314E-06	3.995E-07	5.151E-07
15	1.357	2.753E-04	2.781E-04	2.919E-04	3.073E-04	3.134E-04	1.795E-04	4.721E-05	2.878E-05	1.931E-05
16	1.290	1.323E-03	1.332E-03	1.367E-03	1.407E-03	1.451E-03	1.116E-03	5.340E-04	3.569E-04	2.671E-04
17	1.208	2.516E-04	2.539E-04	2.642E-04	2.754E-04	2.795E-04	1.807E-04	6.411E-05	3.507E-05	2.682E-05
18	1.170	2.561E-03	2.577E-03	2.632E-03	2.696E-03	2.770E-03	2.268E-03	1.162E-03	7.965E-04	5.918E-04
19	1.100	5.857E-04	5.911E-04	6.151E-04	6.407E-04	6.464E-04	4.060E-04	1.316E-04	6.270E-05	4.535E-05
20	1.030	2.349E-04	2.372E-04	2.478E-04	2.583E-04	2.578E-04	1.527E-04	4.331E-05	1.537E-05	8.997E-06
21	0.9930	2.186E-04	2.208E-04	2.304E-04	2.397E-04	2.377E-04	1.427E-04	4.264E-05	1.558E-05	8.051E-06
22	0.9690	1.127E-04	1.137E-04	1.173E-04	1.210E-04	1.214E-04	8.671E-05	3.732E-05	2.180E-05	1.480E-05
23	0.9600	7.526E-04	7.584E-04	7.803E-04	8.020E-04	8.064E-04	6.022E-04	2.779E-04	1.706E-04	1.180E-04
24	0.9120	1.662E-05	1.678E-05	1.747E-05	1.809E-05	1.775E-05	1.082E-05	3.443E-06	1.237E-06	4.747E-07
25	0.9100	1.323E-03	1.335E-03	1.380E-03	1.417E-03	1.388E-03	9.395E-04	3.820E-04	1.903E-04	1.007E-04
26	0.7900	3.500E-04	3.526E-04	3.614E-04	3.684E-04	3.636E-04	2.769E-04	1.361E-04	8.192E-05	5.147E-05
27	0.7700	6.824E-04	6.858E-04	6.989E-04	7.112E-04	7.182E-04	6.144E-04	3.487E-04	2.324E-04	1.663E-04
28	0.7550	3.083E-04	3.109E-04	3.197E-04	3.255E-04	3.134E-04	2.106E-04	8.673E-05	3.965E-05	1.534E-05
29	0.7300	1.231E-04	1.241E-04	1.275E-04	1.295E-04	1.240E-04	8.305E-05	3.451E-05	1.548E-05	5.328E-06
30	0.7200	5.992E-04	6.039E-04	6.179E-04	6.298E-04	6.025E-04	4.299E-04	1.991E-04	1.044E-04	5.009E-05
31	0.6900	1.273E-04	1.283E-04	1.312E-04	1.324E-04	1.248E-04	8.345E-05	3.686E-05	1.580E-05	3.978E-06
32	0.6700	5.856E-03	5.886E-03	5.974E-03	6.052E-03	6.125E-03	5.390E-03	3.113E-03	2.158E-03	1.563E-03
33	0.6000	5.424E-04	5.458E-04	5.551E-04	5.613E-04	5.464E-04	3.903E-04	1.683E-04	8.365E-05	4.081E-05
34	0.5800	1.674E-03	1.684E-03	1.707E-03	1.716E-03	1.643E-03	1.170E-03	5.352E-04	2.678E-04	1.154E-04
35	0.5200	3.815E-04	3.832E-04	3.865E-04	3.867E-04	3.662E-04	2.720E-04	1.471E-04	8.837E-05	5.210E-05
36	0.5090	1.644E-03	1.652E-03	1.662E-03	1.651E-03	1.552E-03	1.147E-03	6.067E-04	3.417E-04	1.653E-04
37	0.4600	1.982E-03	1.987E-03	1.983E-03	1.945E-03	1.789E-03	1.329E-03	7.667E-04	4.601E-04	2.390E-04
38	0.4060	6.319E-03	6.336E-03	6.330E-03	6.295E-03	6.095E-03	5.289E-03	3.380E-03	2.393E-03	1.713E-03
39	0.3400	2.011E-04	2.011E-04	1.989E-04	1.943E-04	1.810E-04	1.417E-04	8.719E-05	5.967E-05	4.199E-05
40	0.3370	2.696E-03	2.693E-03	2.645E-03	2.576E-03	2.395E-03	1.881E-03	1.227E-03	8.842E-04	6.166E-04
41	0.3330	5.712E-03	5.707E-03	5.689E-03	5.558E-03	5.324E-03	4.665E-03	3.237E-03	2.495E-03	1.987E-03
42	0.2550	6.366E-03	6.332E-03	6.259E-03	6.122E-03	7.747E-03	6.724E-03	5.214E-03	4.351E-03	3.726E-03
43	0.2000	3.683E-02	3.649E-02	3.583E-02	3.465E-02	3.282E-02	2.697E-02	2.445E-02	2.167E-02	1.952E-02
44	0.1800	5.155E-02	5.125E-02	4.987E-02	4.860E-02	4.456E-02	3.873E-02	3.117E-02	2.625E-02	2.256E-02
45	5.000E-02	2.381E-03	2.379E-03	2.267E-03	2.251E-03	2.205E-03	2.152E-03	2.084E-03	1.993E-03	1.850E-03

TABLE XCIX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 3592100

(4 π photons/cm² sec ster)

UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1 3.000	3.7501E-08	3.1115E-08	-2.6962E-08	-4.6074E-08	2.1561E-05	1.2062E-04	5.5443E-05	3.7583E-05	2.7276E-05
2 2.900	1.4227E-05	1.1518E-05	-8.1897E-06	-1.6497E-05	1.1174E-03	5.9536E-03	2.7352E-03	1.8447E-03	1.3459E-03
3 2.810	1.3891E-06	1.1125E-06	-8.1931E-07	-1.5284E-06	8.7327E-06	2.9973E-05	8.8848E-06	3.4659E-06	3.3588E-06
4 2.700	2.3031E-06	1.6351E-06	-1.3734E-06	-2.4736E-06	3.8466E-05	1.7532E-04	7.3597E-05	4.6843E-05	3.5441E-05
5 2.630	5.7623E-05	4.6016E-05	-3.3163E-05	-6.5525E-05	5.0094E-03	2.5479E-02	1.2122E-02	8.2330E-03	6.0400E-03
6 2.510	3.2346E-05	2.5908E-05	-1.9328E-05	-3.4037E-05	2.3346E-04	8.0600E-04	2.3969E-04	1.0711E-04	9.2697E-05
7 1.900	1.1570E-05	9.1360E-06	-7.1137E-06	-1.1241E-05	4.4836E-04	2.0983E-03	9.8656E-04	6.5054E-04	4.8609E-04
8 1.600	1.5461E-04	1.2597E-04	-8.9820E-05	-1.6966E-04	1.5426E-02	7.4783E-02	3.6899E-02	2.5251E-02	1.8571E-02
9 1.670	1.1914E-05	9.7289E-06	-6.9394E-06	-1.3057E-05	8.3555E-04	3.9590E-03	1.9541E-03	1.3324E-03	9.6235E-04
10 1.661	1.3636E-04	1.0667E-04	-8.1830E-05	-1.3745E-04	1.0408E-03	7.3806E-03	3.0409E-03	1.8201E-03	1.3741E-03
11 1.556	5.6895E-05	4.4015E-05	-3.5200E-05	-4.8131E-05	9.4984E-04	3.7465E-03	1.6124E-03	9.8545E-04	7.2995E-04
12 1.510	3.6928E-05	2.8712E-05	-2.3531E-05	-2.9193E-05	1.7702E-03	7.8243E-03	2.8434E-03	2.5834E-03	1.9010E-03
13 1.480	1.6569E-04	1.2766E-04	-1.0696E-04	-1.1399E-04	7.1957E-03	3.0368E-02	1.5136E-02	1.0100E-02	7.4179E-03
14 1.360	4.3991E-06	3.3533E-06	-2.6818E-06	-2.5419E-06	4.4585E-05	1.2610E-04	3.7200E-05	1.2205E-05	7.7742E-06
15 1.357	8.9286E-05	6.6208E-05	-6.0471E-05	-3.4225E-05	1.1943E-03	3.5502E-03	1.2462E-03	5.5937E-04	3.6803E-04
16 1.290	1.0554E-04	7.5974E-05	-7.3241E-05	-6.0860E-05	6.3553E-03	2.5871E-02	1.3043E-02	8.7217E-03	6.3518E-03
17 1.208	4.7796E-05	3.3465E-05	-3.3474E-05	1.3933E-05	1.1721E-03	3.7292E-03	1.5925E-03	8.8502E-04	5.9368E-04
18 1.170	1.1310E-04	8.2379E-05	-7.3935E-05	2.2723E-05	1.2905E-02	5.3510E-02	2.6249E-02	1.9384E-02	1.4220E-02
19 1.100	1.1680E-04	8.3043E-05	-7.4120E-05	8.0501E-05	2.7518E-03	7.9993E-03	3.2262E-03	1.5956E-03	9.7384E-04
20 1.030	3.5434E-05	2.1463E-05	-2.2585E-05	8.9132E-05	1.1243E-03	2.7425E-03	1.6261E-03	4.0351E-04	1.7038E-04
21 0.9900	2.1833E-05	9.5733E-06	-1.2635E-05	1.1319E-04	1.0719E-03	2.5184E-03	9.6531E-04	4.0200E-04	1.6239E-04
22 0.9690	4.4939E-06	1.1910E-06	-2.3354E-06	4.1439E-05	5.8326E-04	1.7949E-03	8.6388E-04	5.3511E-04	3.5241E-04
23 0.9600	1.3871E-05	-1.9210E-06	-1.4196E-06	2.6581E-04	3.9762E-03	1.2817E-02	6.5820E-03	4.1645E-03	2.8265E-03
24 0.9120	1.9114E-07	-3.7516E-07	4.2147E-07	1.2034E-05	8.4039E-05	1.8286E-04	7.5400E-05	3.0974E-05	1.0471E-05
25 0.9100	-8.5640E-05	-1.0076E-04	1.4666E-04	1.1558E-03	7.0546E-03	1.7076E-02	8.3951E-03	4.5846E-03	2.4662E-03
26 0.7900	-3.0934E-05	-2.8701E-05	5.3460E-05	2.7282E-04	1.9704E-03	5.5655E-03	3.6559E-03	1.9570E-03	1.2678E-03
27 0.7700	-2.1356E-05	-1.9000E-05	4.4523E-05	2.1497E-04	3.9084E-03	1.3976E-02	8.0683E-03	5.6063E-03	4.0432E-03
28 0.7590	-3.6194E-05	-3.0390E-05	6.6554E-05	3.8928E-04	1.6560E-03	3.4738E-03	1.7471E-03	9.0510E-04	4.0129E-04
29 0.7300	-1.7203E-05	-1.3332E-05	4.0957E-05	1.7182E-04	6.6500E-04	1.3247E-03	6.7659E-04	3.4731E-04	1.4342E-04
30 0.7200	-8.0015E-05	-6.1441E-05	2.0623E-04	7.0500E-04	3.3321E-03	7.4356E-03	4.0718E-03	2.3805E-03	1.2837E-03
31 0.6900	-2.2679E-05	-1.6066E-05	6.2903E-05	2.2223E-04	6.9380E-04	1.2152E-03	6.5416E-04	3.3421E-04	1.1685E-04
32 0.6700	3.5959E-05	8.8706E-05	4.9186E-04	1.6090E-03	3.6044E-02	0.1238	7.3667E-02	5.1830E-02	3.7913E-02
33 0.6000	5.0886E-05	6.8728E-05	1.8277E-04	5.6662E-04	2.8468E-03	6.9118E-03	3.4371E-03	1.8293E-03	9.6973E-04
34 0.5800	8.3674E-05	1.7142E-04	8.8150E-04	2.5309E-03	9.1458E-03	1.9050E-02	1.0217E-02	5.5805E-03	2.7212E-03
35 0.5200	1.3160E-04	1.6728E-04	3.8355E-04	8.0299E-04	2.2131E-03	4.1764E-03	2.5390E-03	1.6266E-03	9.7209E-04
36 0.5090	1.4435E-04	2.9859E-04	1.3939E-03	3.3750E-03	9.4561E-03	1.7415E-02	1.0880E-02	6.7817E-03	3.7348E-03
37 0.4700	5.0506E-04	8.6686E-04	2.5030E-03	5.1506E-03	1.1243E-02	1.7561E-02	1.2275E-02	8.2693E-03	4.6899E-03
38 0.4000	2.6182E-03	3.2807E-03	5.3693E-03	8.9225E-03	4.0770E-02	0.1025	6.9410E-02	5.0952E-02	3.7896E-02
39 0.3400	1.9922E-04	2.3301E-04	3.3492E-04	5.1320E-04	1.0975E-03	1.9753E-03	1.3612E-03	9.8011E-04	7.2003E-04
40 0.3370	3.3418E-03	3.3448E-03	5.3207E-03	7.8356E-03	1.4946E-02	2.4446E-02	1.8101E-02	1.3783E-02	1.0604E-02
41 0.3300	7.7057E-03	8.3844E-03	1.0631E-02	1.4120E-02	3.6932E-02	7.5679E-02	5.6027E-02	4.3894E-02	3.5273E-02
42 0.2560	2.1165E-02	2.3107E-02	2.7575E-02	3.4641E-02	5.5963E-02	8.4324E-02	6.8064E-02	5.7423E-02	4.6562E-02
43 0.2000	0.1374	0.1455	0.1617	0.1835	0.2225	0.2561	0.2320	0.2104	0.1919
44 0.1000	0.1939	0.2009	0.2147	0.2321	0.2742	0.3076	0.2625	0.2255	0.1952
45 5.0000E-02	1.0309E-02	1.0634E-02	1.1086E-02	1.1893E-02	2.0726E-02	2.1704E-02	2.1801E-02	2.1282E-02	2.0071E-02

TABLE C. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 3692100

(4π photons/cm² sec ster)

1	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	2.4147E-05	2.5220E-05	2.9695E-05	3.4951E-05	4.5890E-05	3.2320E-05	1.4920E-05	1.0056E-05	7.3127E-06
2	2.995	1.1897E-03	1.2425E-03	1.4369E-03	1.7350E-03	2.2679E-03	1.6005E-03	7.2644E-04	4.9188E-04	3.6555E-04
3	2.410	4.6341E-05	5.0027E-06	7.0176E-06	1.0096E-05	1.8240E-05	9.5249E-06	1.6078E-06	7.2574E-07	1.3122E-06
4	2.380	3.3278E-05	3.4969E-05	4.2140E-05	5.4122E-05	7.5295E-05	4.9551E-05	1.8788E-05	1.2199E-05	1.0178E-05
5	2.330	5.1674E-03	5.3061E-03	6.1787E-03	7.3476E-03	9.2170E-03	6.8773E-03	3.2227E-03	2.1964E-03	1.6333E-03
6	2.010	1.3033E-04	1.4088E-04	1.9493E-04	2.9142E-04	4.5533E-04	2.5330E-04	5.1779E-05	2.4153E-05	3.4200E-05
7	1.980	4.2157E-04	4.4024E-04	5.1140E-04	6.1802E-04	7.8042E-04	5.7690E-04	2.5978E-04	1.7456E-04	1.3354E-04
8	1.950	1.5411E-02	1.6031E-02	1.8237E-02	2.1360E-02	2.6243E-02	2.0181E-02	9.8211E-03	6.7401E-03	5.0136E-03
9	1.670	8.1545E-04	8.4048E-04	9.6731E-04	1.1357E-03	1.3723E-03	1.0726E-03	5.1881E-04	3.5522E-04	2.6618E-04
10	1.661	1.3692E-03	1.4695E-03	1.8191E-03	2.3721E-03	3.1945E-03	2.1418E-03	7.6537E-04	4.6911E-04	4.0552E-04
11	1.556	7.1945E-04	7.5566E-04	9.3104E-04	1.1953E-03	1.5747E-03	1.0872E-03	4.1218E-04	2.5547E-04	2.1150E-04
12	1.510	1.6044E-03	1.6727E-03	1.9274E-03	2.2896E-03	2.7786E-03	2.1547E-03	1.0163E-03	6.8588E-04	5.1962E-04
13	1.400	6.3219E-03	6.5979E-03	7.6400E-03	9.1186E-03	1.1074E-02	8.5646E-03	3.9985E-03	2.6776E-03	2.0333E-03
14	1.360	2.0783E-05	2.2967E-05	3.3543E-05	5.0247E-05	7.3550E-05	4.2643E-05	8.5941E-06	2.5375E-06	3.3691E-06
15	1.357	6.2707E-04	6.8267E-04	9.4189E-04	1.3407E-03	1.8233E-03	1.1626E-03	3.0813E-04	1.3385E-04	1.2555E-04
16	1.290	5.3733E-03	5.6066E-03	6.4797E-03	7.6767E-03	9.1516E-03	7.2375E-03	3.4670E-03	2.3145E-03	1.7331E-03
17	1.208	7.2209E-04	7.7280E-04	9.9105E-04	1.3059E-03	1.7012E-03	1.1671E-03	4.1727E-04	2.7274E-04	1.7397E-04
18	1.170	1.1363E-02	1.1801E-02	1.3351E-02	1.5378E-02	1.7714E-02	1.4701E-02	7.5433E-03	5.1691E-03	3.8399E-03
19	1.100	1.5425E-03	1.6635E-03	2.2164E-03	2.9865E-03	3.9066E-03	2.6142E-03	8.5546E-04	4.0617E-04	2.9510E-04
20	1.030	5.2625E-04	5.8060E-04	8.1738E-04	1.1455E-03	1.5259E-03	9.7817E-04	2.8200E-04	9.9854E-05	5.7561E-05
21	0.9980	4.9690E-04	5.4750E-04	7.6704E-04	1.0653E-03	1.4023E-03	9.1165E-04	2.7760E-04	1.0137E-04	5.1850E-05
22	0.9690	3.7810E-04	4.0117E-04	4.9227E-04	6.1182E-04	7.4247E-04	5.5759E-04	2.4240E-04	1.4156E-04	9.6370E-05
23	0.9600	2.7446E-03	2.8934E-03	3.4622E-03	4.1932E-03	4.9721E-03	3.8754E-03	1.8038E-03	1.1076E-03	7.6475E-04
24	0.9120	3.8104E-05	4.2092E-05	5.8720E-05	8.0508E-05	1.0382E-04	6.8743E-05	2.2366E-05	8.0719E-06	3.0609E-06
25	0.9100	3.8055E-03	4.1053E-03	5.2794E-03	6.7443E-03	8.2144E-03	5.9671E-03	2.4751E-03	1.2390E-03	6.5010E-04
26	0.7500	1.2795E-03	1.3509E-03	1.6098E-03	1.9166E-03	2.2035E-03	1.7664E-03	8.8066E-04	5.3225E-04	3.3326E-04
27	0.7700	3.1449E-03	3.2622E-03	3.6560E-03	4.1136E-03	4.5361E-03	3.9608E-03	2.2055E-03	1.5082E-03	1.0778E-03
28	0.7550	8.4968E-04	9.2302E-04	1.1978E-03	1.5218E-03	1.8183E-03	1.3205E-03	5.5803E-04	2.5803E-04	9.9153E-05
29	0.7300	3.3410E-04	3.6410E-04	4.7354E-04	6.0081E-04	7.1459E-04	5.1869E-04	2.2163E-04	1.0071E-04	3.4412E-05
30	0.7200	1.8742E-03	2.0093E-03	2.4937E-03	3.0447E-03	3.5213E-03	2.6969E-03	1.2797E-03	6.7813E-04	3.2449E-04
31	0.6800	3.4041E-04	3.7122E-04	4.8142E-04	6.0424E-04	7.0622E-04	5.1501E-04	2.3006E-04	1.0254E-04	2.5727E-05
32	0.6700	2.8387E-02	2.9352E-02	3.2459E-02	3.5918E-02	3.8878E-02	3.4791E-02	2.0147E-02	1.3997E-02	1.0145E-02
33	0.6000	1.7586E-03	1.8851E-03	2.3271E-03	2.8293E-03	3.2529E-03	2.4492E-03	1.0714E-03	5.3887E-04	2.6724E-04
34	0.5600	5.4167E-03	5.8033E-03	7.1049E-03	8.5219E-03	9.6152E-03	7.2671E-03	3.3963E-03	1.7167E-03	7.5278E-04
35	0.5300	1.3544E-03	1.4329E-03	1.6846E-03	1.9472E-03	2.1280E-03	1.6717E-03	9.1611E-04	5.5520E-04	3.2325E-04
36	0.5090	5.7000E-03	6.1271E-03	7.1902E-03	8.2592E-03	9.3355E-03	7.0205E-03	3.0061E-03	2.1740E-03	1.0669E-03
37	0.4600	7.1800E-03	7.5600E-03	8.6096E-03	9.5833E-03	1.0025E-02	7.9704E-03	4.7309E-03	2.8081E-03	1.5203E-03
38	0.4000	3.0140E-02	3.1055E-02	3.3497E-02	3.5758E-02	3.6914E-02	3.3035E-02	2.1335E-02	1.5234E-02	1.1003E-02
39	0.3400	6.3584E-04	6.6530E-04	9.4229E-04	1.0116E-03	1.0331E-03	8.4496E-04	5.2740E-04	3.6587E-04	2.5879E-04
40	0.3370	1.1461E-02	1.1621E-02	1.2659E-02	1.3392E-02	1.3488E-02	1.1101E-02	7.3516E-03	5.3665E-03	3.9569E-03
41	0.3000	2.7914E-02	2.8524E-02	2.9974E-02	3.1238E-02	3.1483E-02	2.7959E-02	1.9750E-02	1.5317E-02	1.2261E-02
42	0.2560	4.0466E-02	4.1155E-02	4.3021E-02	4.4564E-02	4.4662E-02	3.9596E-02	3.0599E-02	2.5393E-02	2.1617E-02
43	0.2000	0.1720	0.1733	0.1773	0.1799	0.1773	0.1607	0.1367	0.1213	0.1094
44	0.1000	0.2382	0.2383	0.2395	0.2381	0.2293	0.2046	0.1662	0.1406	0.1209
45	0.0000E-02	1.2472E-02	1.2331E-02	1.2196E-02	1.2043E-02	1.1874E-02	1.1655E-02	1.1339E-02	1.0828E-02	1.0054E-02

TABLE CI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 3792100

(4π photons/cm² sec ster)

226

UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1 3.680	2.992E-05	2.1439E-05	2.3264E-05	2.5543E-05	2.8197E-05	1.9511E-05	8.9520E-06	6.0710E-06	4.4152E-06
2 2.996	1.9358E-03	1.0504E-03	1.1523E-03	1.2625E-03	1.3965E-03	9.7071E-04	4.9824E-04	2.9700E-04	2.2688E-04
3 2.410	5.9759E-06	6.2968E-06	7.0990E-06	1.0019E-05	1.2066E-05	5.7206E-06	9.3713E-07	4.4187E-07	8.1321E-07
4 2.380	3.1471E-05	3.2397E-05	3.6696E-05	4.2117E-05	4.7496E-05	2.9669E-05	1.1284E-05	7.3700E-06	6.1818E-06
5 2.330	4.3757E-03	4.4622E-03	4.8108E-03	5.2207E-03	5.6397E-03	4.1505E-03	1.9416E-03	1.3262E-03	9.8652E-04
6 2.010	1.5219E-04	1.6977E-04	2.0755E-04	2.5172E-04	2.9591E-04	1.5235E-04	3.2652E-05	1.4686E-05	2.0974E-05
7 1.960	3.5440E-04	3.7236E-04	4.0590E-04	4.4473E-04	4.8120E-04	3.4818E-04	1.5658E-04	1.0541E-04	8.0761E-05
8 1.860	1.2696E-02	1.2922E-02	1.3803E-02	1.4790E-02	1.5746E-02	1.2181E-02	5.3272E-03	4.0637E-03	3.0275E-03
9 1.670	6.7355E-04	6.8573E-04	7.3350E-04	7.6672E-04	8.3700E-04	6.4731E-04	3.1304E-04	2.1450E-04	1.6074E-04
10 1.661	1.3696E-03	1.4114E-03	1.6809E-03	1.8221E-03	2.0661E-03	1.2911E-03	4.5830E-04	2.8374E-04	2.4549E-04
11 1.656	6.9168E-04	7.1100E-04	8.0166E-04	9.0462E-04	9.8768E-04	6.5601E-04	2.4790E-04	1.5433E-04	1.2811E-04
12 1.510	1.3495E-03	1.3762E-03	1.4838E-03	1.6024E-03	1.7858E-03	1.3007E-03	6.1291E-04	4.1416E-04	3.1400E-04
13 1.480	5.3642E-03	5.4736E-03	5.9183E-03	6.4050E-03	6.8148E-03	5.1713E-03	2.4139E-03	1.6168E-03	1.2293E-03
14 1.360	2.3225E-05	2.9656E-05	3.5804E-05	4.2857E-05	4.7730E-05	2.5795E-05	5.1069E-06	1.5374E-06	2.0716E-06
15 1.357	7.6059E-04	7.9245E-04	9.3937E-04	1.1029E-03	1.2140E-03	7.0388E-04	1.9404E-04	8.0815E-05	7.6754E-05
16 1.290	4.5165E-03	4.6860E-03	4.9631E-03	5.3408E-03	5.6389E-03	4.3739E-03	2.2995E-03	1.3971E-03	1.0476E-03
17 1.208	7.5498E-04	7.8816E-04	8.9017E-04	1.0377E-03	1.0834E-03	7.0770E-04	2.5067E-04	1.3785E-04	1.0566E-04
18 1.170	9.3698E-03	9.2372E-03	9.7886E-03	1.0353E-02	1.0824E-02	8.8822E-03	4.5519E-03	3.1204E-03	2.3191E-03
19 1.100	1.7357E-03	1.7973E-03	2.0628E-03	2.3391E-03	2.5913E-03	1.5890E-03	5.1452E-04	2.4492E-04	1.7900E-04
20 1.030	6.5716E-04	6.9441E-04	8.1150E-04	9.3100E-04	9.9235E-04	5.9736E-04	1.5986E-04	5.9997E-05	3.5258E-05
21 0.9960	6.2379E-04	6.4696E-04	7.5579E-04	8.6318E-04	9.1461E-04	5.5780E-04	1.5635E-04	6.0948E-05	3.1817E-05
22 0.9690	3.5697E-04	3.7073E-04	4.1007E-04	4.4909E-04	4.7019E-04	3.3919E-04	1.4613E-04	8.5341E-05	5.8346E-05
23 0.9600	2.4823E-03	2.5414E-03	2.7733E-03	3.0064E-03	3.1263E-03	2.3555E-03	1.2882E-03	6.6793E-04	4.6252E-04
24 0.9120	4.7853E-05	4.9740E-05	5.7506E-05	6.5055E-05	6.8102E-05	4.2253E-05	1.3432E-05	4.8405E-06	1.8659E-06
25 0.9100	4.3634E-03	4.1720E-03	4.6942E-03	5.1642E-03	5.3307E-03	3.6660E-03	1.4952E-03	7.4564E-04	3.9410E-04
26 0.7900	1.1686E-03	1.1872E-03	1.2639E-03	1.3710E-03	1.4817E-03	1.0811E-03	5.3381E-04	3.2894E-04	2.0133E-04
27 0.7780	2.4574E-03	2.4931E-03	2.6142E-03	2.7250E-03	2.7949E-03	2.4031E-03	1.3345E-03	9.1023E-04	6.5065E-04
28 0.7550	9.4690E-04	9.7640E-04	1.0846E-03	1.1793E-03	1.1960E-03	8.1919E-04	3.9957E-04	1.5549E-04	5.9741E-05
29 0.7380	3.7714E-04	3.8093E-04	4.3149E-04	4.6811E-04	4.7241E-04	3.2275E-04	1.3539E-04	6.0711E-05	2.0705E-05
30 0.7200	1.3065E-03	1.3693E-03	2.1368E-03	2.2663E-03	2.3008E-03	1.6719E-03	7.7985E-04	4.0933E-04	1.9545E-04
31 0.6900	3.5083E-04	4.0190E-04	4.4260E-04	4.7557E-04	4.7292E-04	3.2333E-04	1.4134E-04	6.1984E-05	1.5371E-05
32 0.6700	2.1541E-02	2.1603E-02	2.2620E-02	2.3362E-02	2.3857E-02	2.1109E-02	1.2137E-02	8.4537E-03	6.1208E-03
33 0.6800	1.7937E-03	1.8344E-03	1.9698E-03	2.0826E-03	2.0956E-03	1.5165E-03	6.5735E-04	3.2743E-04	1.5973E-04
34 0.5600	5.5399E-03	5.0595E-03	6.0414E-03	6.3347E-03	6.2741E-03	4.5343E-03	2.0862E-03	1.0172E-03	4.5115E-04
35 0.5200	1.2935E-03	1.3133E-03	1.3911E-03	1.4275E-03	1.3959E-03	1.0510E-03	5.7066E-04	3.4507E-04	2.0141E-04
36 0.5650	5.5540E-03	5.0542E-03	5.9253E-03	6.0028E-03	5.8997E-03	4.4287E-03	2.9537E-03	1.3333E-03	6.4643E-04
37 0.4600	6.7544E-03	6.0533E-03	7.0682E-03	7.1411E-03	6.7535E-03	5.1041E-03	2.9039E-03	1.7894E-03	9.2963E-04
38 0.4650	2.3156E-02	2.3397E-02	2.3702E-02	2.3918E-02	2.3451E-02	2.0909E-02	1.3145E-02	9.3303E-03	6.0363E-03
39 0.3400	7.1580E-04	7.2131E-04	7.2853E-04	7.2501E-04	6.8590E-04	5.4284E-04	3.3525E-04	2.3041E-04	1.6889E-04
40 0.3370	9.5083E-03	9.6649E-03	9.7100E-03	9.6944E-03	9.0339E-03	7.1877E-03	4.7051E-03	3.4044E-03	2.5060E-03
41 0.3000	2.1187E-02	2.1165E-02	2.1262E-02	2.1142E-02	2.0392E-02	1.7725E-02	1.2469E-02	9.6407E-03	7.6851E-03
42 0.2560	3.3823E-02	3.0333E-02	3.6916E-02	3.0698E-02	2.9529E-02	2.5716E-02	1.9689E-02	1.6569E-02	1.4157E-02
43 0.2800	0.1336	0.1329	0.1318	0.1295	0.1232	0.1093	9.2429E-02	8.1913E-02	7.3801E-02
44 0.1800	0.1668	0.1848	0.1813	0.1768	0.1649	0.1442	0.1153	9.8196E-02	8.4319E-02
45 5.0000E-02	8.3383E-03	8.6531E-03	8.5514E-03	8.4883E-03	8.2415E-03	8.0554E-03	7.8880E-03	7.4362E-03	6.8894E-03

TABLE CII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000111

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3 080	-1.2293E-08	-7.8797E-09	7.2668E-09	4.7099E-09	-2.1742E-08	2.4076E-06	5.3209E-05	8.8991E-05	1.1437E-04
2	2.996	-4.4733E-06	-2.8145E-06	2.6179E-06	1.3959E-06	-7.2897E-06	1.6347E-04	2.6720E-03	4.4891E-03	5.7751E-03
3	2.410	-4.1206E-07	-2.5155E-07	2.4732E-07	9.8208E-08	-6.6044E-07	9.0200E-06	5.4736E-05	8.2354E-05	9.9152E-05
4	2.360	-6.7258E-07	-4.0402E-07	4.0851E-07	1.3509E-07	-1.0743E-06	1.6538E-05	1.2918E-04	2.0538E-04	2.5595E-04
5	2.330	-1.0162E-05	-1.2056E-05	9.6525E-06	7.0246E-06	-2.3971E-05	4.4709E-04	8.7882E-03	1.5677E-02	2.0787E-02
6	2.010	-9.8835E-06	-6.4367E-06	5.2980E-06	3.2434E-06	-1.2275E-05	1.7645E-04	1.1369E-03	1.7831E-03	2.2019E-03
7	1.900	-3.4609E-06	-2.1930E-06	1.8886E-06	8.8778E-07	-4.1029E-06	7.7842E-05	8.5676E-04	1.5034E-03	1.9799E-03
8	1.850	-4.8046E-05	-3.3304E-05	2.3472E-05	2.1537E-05	-4.9839E-05	8.7526E-04	1.9724E-02	3.7471E-02	5.1307E-02
9	1.670	-3.6808E-06	-2.5851E-06	1.7623E-06	1.7591E-06	-3.6509E-06	5.5923E-05	1.0571E-03	2.0120E-03	2.7594E-03
10	1.661	-4.1748E-05	-2.8763E-05	2.0308E-05	1.7499E-05	-3.9313E-05	6.2774E-04	4.9288E-03	8.3652E-03	1.0832E-02
11	1.556	-1.6919E-05	-1.1294E-05	8.4090E-06	5.6382E-06	-1.4077E-05	3.1554E-04	2.3107E-03	3.9469E-03	5.1412E-03
12	1.510	-1.1035E-05	-7.2899E-06	5.4963E-06	3.3044E-06	-8.2666E-06	2.3112E-04	2.4361E-03	4.5173E-03	6.1433E-03
13	1.480	-4.8509E-05	-3.1934E-05	2.3780E-05	1.3302E-05	-2.6203E-05	1.1049E-03	1.0100E-02	1.8505E-02	2.5272E-02
14	1.360	-1.2650E-06	-8.2703E-07	6.1278E-07	3.0812E-07	-4.2332E-07	3.0873E-05	1.6968E-04	2.7794E-04	3.5547E-04
15	1.357	-2.5349E-05	-1.6061E-05	1.2383E-05	4.0149E-06	-1.9859E-06	7.3924E-04	3.9524E-03	6.5130E-03	8.3768E-03
16	1.290	-2.8910E-05	-1.7817E-05	1.3711E-05	1.9213E-06	1.8119E-05	1.0837E-03	7.9264E-03	1.4703E-02	2.0177E-02
17	1.208	-1.2659E-05	-7.6449E-06	5.7754E-06	2.2752E-06	1.8124E-05	5.6903E-04	2.8633E-03	4.8311E-03	6.3372E-03
18	1.170	-2.9122E-05	-1.8833E-05	1.2208E-05	4.5349E-06	5.0130E-05	1.2411E-03	1.0861E-02	2.1698E-02	3.0946E-02
19	1.100	-2.9380E-05	-1.9166E-05	1.1295E-05	5.3764E-06	8.6750E-05	1.4814E-03	6.9314E-03	1.1734E-02	1.5504E-02
20	1.030	-8.9588E-06	-5.2856E-06	2.9544E-06	-1.6674E-07	5.9510E-05	7.6905E-04	3.3675E-03	5.7111E-03	7.5884E-03
21	0.9900	-5.3974E-06	-2.7305E-06	1.3055E-06	-1.2867E-06	6.7398E-05	7.5287E-04	2.9906E-03	4.9239E-03	6.4558E-03
22	0.9690	-1.1357E-06	-4.4732E-07	1.2359E-07	-5.8062E-07	2.3825E-05	2.4538E-04	1.0220E-03	1.7485E-03	2.3460E-03
23	0.9600	-3.1753E-06	-4.5245E-07	-1.0145E-06	-2.7450E-06	1.5327E-04	1.4145E-03	5.8932E-03	1.0260E-02	1.3930E-02
24	0.9120	-2.5633E-08	5.5369E-08	-1.0290E-07	-8.2461E-08	7.4222E-06	6.2342E-05	2.2611E-04	3.6824E-04	4.8321E-04
25	0.9100	2.4232E-05	2.0560E-05	-1.8568E-05	5.9765E-06	6.5973E-04	4.5052E-03	1.5043E-02	2.4592E-02	3.2593E-02
26	0.7900	8.0007E-06	5.8335E-06	-4.8736E-06	6.5714E-06	1.6316E-04	9.0250E-04	2.8512E-03	4.7482E-03	6.4134E-03
27	0.7700	5.6260E-06	3.8414E-06	-3.5125E-06	7.7786E-06	1.3473E-04	7.1371E-04	2.7522E-03	5.2255E-03	7.5506E-03
28	0.7550	9.4105E-06	6.0320E-06	-5.6108E-06	1.8679E-06	2.5163E-04	1.2634E-03	3.6704E-03	5.8641E-03	7.7616E-03
29	0.7300	4.2864E-06	2.7158E-06	-2.2797E-06	9.3139E-06	1.1132E-04	5.3305E-04	1.4943E-03	2.3599E-03	3.1102E-03
30	0.7200	1.9333E-05	1.1914E-05	-8.2040E-06	5.2103E-05	5.1713E-04	2.3102E-03	6.3196E-03	1.0043E-02	1.3339E-02
31	0.6800	5.2361E-06	3.1377E-06	-1.5649E-06	1.7571E-05	1.4906E-04	6.2427E-04	1.6059E-03	2.4780E-03	3.2446E-03
32	0.6700	-7.1424E-07	-1.0427E-05	1.9194E-05	2.3705E-04	1.3181E-03	5.0954E-03	1.7853E-02	3.5040E-02	5.2215E-02
33	0.6000	-7.6159E-06	-8.3601E-06	1.7392E-05	1.0836E-04	4.8484E-04	1.7329E-03	4.7926E-03	7.9730E-03	1.0940E-02
34	0.5800	-9.5489E-06	-1.0420E-05	9.9406E-05	4.6859E-04	1.9127E-03	6.2505E-03	1.5583E-02	2.4879E-02	3.3581E-02
35	0.5200	6.4050E-05	7.1859E-05	1.0864E-04	2.0764E-04	5.5198E-04	1.4952E-03	3.3969E-03	5.2551E-03	7.0107E-03
36	0.5090	1.9994E-05	3.4588E-05	2.2685E-04	7.3776E-04	2.4641E-03	6.8893E-03	1.4901E-02	2.2571E-02	2.9868E-02
37	0.4600	7.3849E-05	1.2654E-04	5.4353E-04	1.4246E-03	3.9787E-03	9.6839E-03	1.8654E-02	2.6820E-02	3.4618E-02
38	0.4050	4.0150E-04	6.0175E-04	1.7368E-03	3.5755E-03	7.8538E-03	1.6078E-02	2.9435E-02	4.4278E-02	5.9884E-02
39	0.3400	3.9298E-05	5.4215E-05	1.2730E-04	2.3467E-04	4.5998E-04	8.6360E-04	1.4785E-03	2.0940E-03	2.7133E-03
40	0.3370	8.6944E-04	1.1462E-03	2.2432E-03	3.7803E-03	6.8335E-03	1.2071E-02	1.9726E-02	2.7167E-02	3.4594E-02
41	0.3000	3.2319E-03	3.8048E-03	5.5279E-03	7.7687E-03	1.1817E-02	1.8420E-02	2.8379E-02	3.9081E-02	5.0387E-02
42	0.2560	1.4595E-02	1.6112E-02	1.7713E-02	1.9949E-02	2.4440E-02	3.3209E-02	4.6995E-02	6.1211E-02	7.6101E-02
43	0.2000	9.7517E-02	0.1082	0.1185	0.1324	0.1582	0.2007	0.2505	0.2954	0.3411
44	0.1000	0.1520	0.1639	0.1746	0.1876	0.2068	0.2254	0.2227	0.2185	0.2170
45	5.0000E-02	7.9801E-03	8.4078E-03	8.6146E-03	8.8238E-03	9.0464E-03	9.2594E-03	9.4105E-03	9.4105E-03	9.1910E-03

TABLE CIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000121

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	-1.2954E-08	-9.8902E-09	5.3454E-09	8.9035E-09	-1.1055E-08	3.3469E-07	2.1718E-05	4.6044E-05	6.6344E-05
2	2.996	-4.8545E-06	-3.6842E-06	2.0134E-06	3.2169E-06	-3.9455E-06	3.2918E-05	1.0970E-03	2.3329E-03	3.3768E-03
3	2.410	-4.6531E-07	-3.5059E-07	1.9563E-07	2.9667E-07	-3.7456E-07	2.4981E-06	2.7431E-05	5.1068E-05	6.9618E-05
4	2.380	-7.7773E-07	-5.8302E-07	3.2907E-07	4.8745E-07	-6.2600E-07	4.5386E-06	5.9591E-05	1.1744E-04	1.6499E-04
5	2.330	-1.7655E-05	-1.3616E-05	7.0734E-06	1.2074E-05	-1.2492E-05	9.3947E-05	3.2884E-03	7.5743E-03	1.1434E-02
6	2.010	-9.8759E-06	-7.5743E-06	4.0036E-06	6.5471E-06	-6.8107E-06	4.7527E-05	5.3602E-04	1.0495E-03	1.4781E-03
7	1.900	-3.6199E-06	-2.7548E-06	1.4890E-06	2.3161E-06	-2.4691E-06	2.1185E-05	3.3920E-04	7.5251E-04	1.1278E-03
8	1.860	-4.1938E-05	-3.2829E-05	1.6374E-05	2.9538E-05	-2.5465E-05	1.9632E-04	6.7113E-03	1.6760E-02	2.6433E-02
9	1.670	-3.1008E-06	-2.4407E-06	1.1997E-06	2.2146E-06	-1.8186E-06	1.2804E-05	3.6225E-04	9.0194E-04	1.4263E-03
10	1.661	-3.6556E-05	-2.8562E-05	1.4391E-05	2.5358E-05	-2.1318E-05	1.6270E-04	2.6704E-03	4.4222E-03	6.5597E-03
11	1.556	-1.5728E-05	-1.2154E-05	6.3396E-06	1.0415E-05	-8.9333E-06	8.8919E-05	9.6787E-04	2.0644E-03	3.0744E-03
12	1.510	-1.0434E-05	-8.0349E-06	4.2374E-06	6.7890E-06	-5.7286E-06	6.6227E-05	8.9862E-04	2.1096E-03	3.2896E-03
13	1.480	-4.5879E-05	-3.5257E-05	1.8735E-05	2.9322E-05	-2.2405E-05	3.3114E-04	3.7981E-03	8.7711E-03	1.3643E-02
14	1.360	-1.2054E-06	-9.2373E-07	4.9502E-07	7.5496E-07	-5.1706E-07	9.6368E-06	7.9606E-05	1.5279E-04	2.2352E-04
15	1.357	-2.5435E-05	-1.9317E-05	1.0610E-05	1.5257E-05	-9.4605E-06	2.3915E-04	1.7538E-03	3.5422E-03	5.1976E-03
16	1.290	-3.0127E-05	-2.2682E-05	1.2717E-05	1.7085E-05	-5.8330E-06	3.6626E-04	3.6130E-03	6.8404E-03	1.0704E-02
17	1.208	-1.3510E-05	-1.0105E-05	5.7493E-06	7.3357E-06	3.4003E-07	1.9920E-04	1.2419E-03	2.5236E-03	3.7557E-03
18	1.170	-2.7634E-05	-2.0957E-05	1.1462E-05	1.5797E-05	6.7966E-06	4.3705E-04	3.7159E-03	9.1459E-03	1.4977E-02
19	1.100	-2.7155E-05	-2.0594E-05	1.1198E-05	1.5451E-05	1.9738E-05	5.3753E-04	2.9338E-03	6.0261E-03	9.0218E-03
20	1.030	-9.6373E-06	-7.1122E-06	4.0832E-06	4.8688E-06	1.6116E-05	2.8950E-04	1.4511E-03	2.8969E-03	4.3391E-03
21	0.9980	-6.9313E-06	-4.9741E-06	3.0021E-06	3.1236E-06	1.5611E-05	2.8982E-04	1.3337E-03	2.5730E-03	3.7931E-03
22	0.9690	-1.7602E-06	-1.2441E-06	7.8229E-07	7.1887E-07	7.1893E-06	9.5723E-05	4.2934E-04	8.7095E-04	1.3089E-03
23	0.9600	-7.0255E-06	-4.7104E-06	3.1041E-06	2.5720E-06	4.8649E-05	5.6117E-04	2.4821E-02	4.9603E-03	7.5534E-03
24	0.9120	-1.9927E-07	-1.2391E-07	8.8594E-08	6.5253E-08	2.4397E-06	2.5265E-05	1.0217E-04	1.9176E-04	2.8088E-04
25	0.9100	8.7815E-06	6.6465E-06	-3.2245E-06	-2.9517E-06	2.3889E-04	1.8876E-03	6.8033E-03	1.2534E-02	1.8350E-02
26	0.7900	5.1984E-06	4.2426E-06	-2.0615E-06	-5.6055E-07	6.1717E-05	3.9189E-04	1.2746E-03	2.3253E-03	3.4285E-03
27	0.7700	4.2088E-06	3.3398E-06	-1.7067E-06	2.5563E-07	5.1806E-05	3.1204E-04	1.0856E-03	2.2125E-03	3.5098E-03
28	0.7550	7.9122E-06	6.1347E-06	-3.1770E-06	1.8943E-06	9.8422E-06	5.5637E-04	1.6905E-03	2.9645E-03	4.2757E-03
29	0.7300	3.6858E-06	2.8332E-06	-1.4376E-06	1.1843E-06	4.4093E-06	2.3672E-04	6.5457E-04	1.1994E-03	1.7173E-03
30	0.7200	1.7462E-05	1.3253E-05	-6.3727E-06	8.9227E-06	2.0870E-04	1.0384E-03	2.5250E-03	5.0176E-03	7.1950E-03
31	0.6800	4.9558E-05	3.7199E-05	-1.6535E-06	3.6552E-06	6.1163E-05	2.8364E-04	7.9952E-04	1.2623E-03	1.7786E-03
32	0.6700	2.3884E-05	1.5492E-05	-3.5683E-06	6.9311E-05	5.5993E-04	2.3173E-03	6.6415E-03	1.3769E-02	2.2292E-02
33	0.6000	4.2619E-05	2.1076E-05	2.8301E-06	3.6488E-05	2.1128E-04	7.8577E-04	2.0634E-03	3.5177E-03	5.3499E-03
34	0.5900	1.5850E-05	1.0567E-05	2.6079E-05	1.7363E-04	8.4631E-04	2.8463E-03	6.6479E-03	1.1424E-02	1.6454E-02
35	0.5200	3.3491E-05	3.6149E-05	4.7051E-05	8.8784E-05	2.4923E-04	6.8343E-04	1.8020E-03	2.3981E-03	3.3780E-03
36	0.5090	1.6630E-05	1.9383E-05	8.3902E-05	3.0549E-04	1.1140E-03	3.1613E-03	6.669E-03	1.0362E-02	1.4374E-02
37	0.4600	2.4975E-05	4.5405E-05	2.2326E-04	6.2550E-04	1.8262E-03	4.4683E-03	8.4650E-03	1.2350E-02	1.6491E-02
38	0.4060	1.3567E-04	2.2468E-04	7.6643E-04	1.6424E-03	3.6601E-03	7.3913E-03	1.2730E-02	1.8490E-02	2.5295E-02
39	0.3400	1.4596E-05	2.1388E-05	5.7463E-05	1.0949E-04	2.1528E-04	3.9370E-04	6.3911E-04	8.9034E-04	1.1759E-03
40	0.3370	3.5758E-04	4.7594E-04	1.0285E-03	1.7791E-03	3.1965E-03	5.4529E-03	8.4800E-03	1.1558E-02	1.4992E-02
41	0.3000	1.4560E-03	1.7212E-03	2.5856E-03	3.6656E-03	5.4780E-03	8.1571E-03	1.1874E-02	1.5507E-02	2.0655E-02
42	0.2500	7.0190E-03	7.7066E-03	8.3401E-03	9.2169E-03	1.0954E-02	1.4330E-02	1.5510E-02	2.5037E-02	3.1443E-02
43	0.2000	4.3240E-02	4.7790E-02	5.2168E-02	5.8027E-02	6.8336E-02	8.6554E-02	0.1072	0.1263	0.1469
44	0.1000	6.6366E-02	7.1371E-02	7.5698E-02	8.1333E-02	8.9334E-02	9.6931E-02	9.5375E-02	9.3194E-02	9.2146E-02
45	5.0000E-02	3.4573E-03	3.6344E-03	3.7201E-03	3.8067E-03	3.8968E-03	3.9863E-03	4.070E-03	4.0435E-03	3.9472E-03

TABLE CIV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000131

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	-9.0566E-09	-7.2793E-09	3.1337E-09	7.0830E-09	-4.5821E-09	1.2339E-07	7.4498E-06	2.0588E-05	3.3949E-05
2	2.996	-6.8259E-07	-5.6379E-07	2.1192E-07	5.5483E-07	-1.9277E-07	1.4822E-07	2.2105E-05	9.5637E-05	2.2494E-04
3	2.410	-6.4729E-08	-5.3486E-08	2.0167E-08	5.3351E-08	-1.7855E-08	-8.1287E-08	3.1717E-06	1.0760E-05	2.2768E-05
4	2.380	-1.1138E-07	-9.1898E-08	3.5004E-08	9.1486E-08	-3.1764E-08	-6.0385E-08	8.3540E-07	2.1765E-06	3.9913E-06
5	2.330	-6.2293E-07	-5.0823E-07	2.0677E-07	4.9725E-07	-2.0560E-07	5.3003E-07	5.9156E-06	1.3047E-05	2.0627E-05
6	2.010	-1.7462E-07	-1.3985E-07	6.3030E-08	1.3283E-07	-6.8659E-08	3.7562E-07	3.2366E-06	6.4119E-06	1.0063E-05
7	1.900	-6.0048E-08	-4.7582E-08	2.2555E-08	4.4326E-08	-2.5568E-08	9.5833E-07	5.6927E-06	1.0542E-05	1.6096E-05
8	1.860	-2.4603E-07	-1.9171E-07	9.8464E-08	1.7242E-07	-1.0708E-07	1.5879E-06	3.8702E-06	9.6593E-06	1.5435E-05
9	1.670	-1.0166E-08	-7.7781E-09	4.3409E-09	6.7224E-09	-4.3898E-09	7.0856E-07	4.8346E-06	9.3004E-06	1.4366E-05
10	1.661	-1.0538E-07	-7.9105E-08	4.7700E-08	6.5400E-08	-4.5536E-08	6.6993E-07	2.9775E-06	5.1594E-06	7.3275E-06
11	1.556	-3.3895E-08	-2.4364E-08	1.7330E-08	1.8011E-08	-1.2344E-08	4.1792E-07	1.6450E-06	2.9171E-06	4.2124E-06
12	1.510	-1.8281E-08	-1.2686E-08	1.0166E-08	8.4287E-09	-5.6287E-09	5.7191E-07	1.5328E-06	2.8577E-06	4.1983E-06
13	1.480	-3.5510E-08	-2.0000E-08	2.8257E-08	3.1850E-09	1.1806E-08	1.3497E-06	2.1628E-06	3.7688E-06	5.3223E-06
14	1.360	-1.2250E-10	1.2971E-10	4.5008E-10	-5.0713E-10	1.0743E-09	5.4610E-08	1.1405E-06	2.0573E-06	2.9853E-06
15	1.357	7.9100E-09	1.1544E-08	6.5354E-09	-1.9297E-08	3.5334E-08	8.6590E-07	1.8076E-06	2.7507E-06	3.6383E-06
16	1.290	4.0814E-09	3.8877E-08	-3.1585E-09	-4.5686E-08	8.2536E-08	1.2212E-06	1.6284E-06	2.5081E-06	3.3517E-06
17	1.208	3.0491E-08	2.7110E-08	-5.7916E-09	-2.8827E-08	5.6041E-08	6.7873E-07	1.1964E-06	1.8889E-06	2.3949E-06
18	1.170	7.9270E-08	6.8378E-08	-1.9243E-08	-6.8490E-08	1.3905E-07	1.2805E-06	2.5997E-06	3.5318E-06	1.7084E-06
19	1.100	1.0718E-07	8.9958E-08	-3.0688E-08	-8.4036E-08	1.9819E-07	1.3828E-06	1.7929E-06	2.2456E-06	2.6456E-06
20	1.030	5.6226E-08	4.6332E-08	-1.7540E-08	-4.0721E-08	1.1509E-07	7.4539E-07	9.9412E-07	1.3875E-06	1.7545E-06
21	0.9580	5.4343E-08	4.4318E-08	-1.7695E-08	-3.7185E-08	1.1997E-07	7.0112E-07	9.2921E-07	1.2297E-06	1.5024E-06
22	0.9630	1.7437E-08	1.4134E-08	-5.8171E-09	-1.1476E-08	4.0511E-08	2.7928E-07	4.9148E-07	6.9552E-07	9.4615E-07
23	0.9600	9.7557E-08	7.8278E-08	-3.3721E-08	-5.9567E-08	2.4648E-07	1.1721E-06	1.0910E-06	1.2180E-06	1.3281E-06
24	0.9120	4.2032E-09	3.3434E-09	-1.4928E-09	-2.3787E-09	1.1441E-08	1.1330E-07	2.6393E-07	4.6645E-07	6.5201E-07
25	0.9100	2.6411E-07	2.0516E-07	-9.8211E-08	-1.0383E-07	9.1447E-07	3.2466E-06	2.9904E-06	2.7853E-06	2.4217E-06
26	0.7900	4.3331E-08	3.2700E-08	-1.6396E-08	-4.8358E-09	2.0210E-07	6.6163E-07	6.7724E-07	7.6420E-07	8.2758E-07
27	0.7700	3.1760E-08	2.3788E-08	-1.1894E-08	8.8447E-11	1.6344E-07	5.2172E-07	8.3102E-07	3.8537E-07	4.3111E-07
28	0.7550	5.0863E-08	3.7708E-08	-1.8530E-08	9.2477E-09	2.9741E-07	8.5689E-07	8.1186E-07	8.2516E-07	7.8074E-07
29	0.7300	1.9252E-08	1.4095E-08	-6.7362E-09	7.5314E-09	1.2832E-07	3.7897E-07	3.9667E-07	4.7279E-07	5.4056E-07
30	0.7200	6.8940E-08	4.9395E-08	-2.1150E-08	5.7023E-08	5.7477E-07	1.4445E-06	1.1834E-06	1.0454E-06	8.3986E-07
31	0.6800	1.4838E-08	1.0350E-08	-3.3858E-09	2.1976E-08	1.6016E-07	4.0606E-07	3.9594E-07	4.7250E-07	4.4756E-07
32	0.6700	6.5254E-08	4.2479E-08	1.5515E-08	2.7904E-07	1.3543E-06	2.8395E-06	2.6154E-06	2.3166E-06	2.0826E-06
33	0.6000	4.3296E-09	1.8272E-09	2.2543E-09	1.2967E-07	4.7138E-07	9.1590E-07	9.5321E-07	5.1368E-07	4.7081E-07
34	0.5800	-3.3044E-08	-2.2543E-08	1.5633E-07	5.9613E-07	1.7210E-06	2.8761E-06	2.2674E-06	1.6771E-06	8.9949E-07
35	0.5200	4.0998E-07	4.5013E-07	5.4677E-07	7.0462E-07	1.0315E-06	1.3855E-06	1.2519E-06	7.1499E-07	8.4410E-07
36	0.5090	-2.9693E-08	2.2214E-08	3.9736E-07	9.6858E-07	2.0276E-06	2.7871E-06	2.0528E-06	1.5651E-06	9.1403E-07
37	0.4600	7.1553E-09	1.2208E-07	8.0890E-07	1.6547E-06	2.8622E-06	3.3445E-06	2.2504E-06	1.6432E-06	9.4751E-07
38	0.4060	5.6883E-07	8.2631E-07	2.0885E-06	3.3862E-06	4.6300E-06	4.4576E-06	2.7579E-06	2.0879E-06	1.7792E-06
39	0.3400	5.9741E-08	7.4869E-08	1.3905E-07	1.9952E-07	2.4653E-07	2.4518E-07	4.1339E-07	5.3849E-07	6.4594E-07
40	0.3370	1.3088E-06	1.5227E-06	2.2808E-06	2.9464E-06	3.3320E-06	2.7292E-06	1.7091E-06	1.4071E-06	1.2242E-06
41	0.3000	4.2778E-06	4.5621E-06	4.8431E-06	4.9474E-06	4.5644E-06	3.4167E-06	2.1776E-06	1.8270E-06	1.7249E-06
42	0.2560	1.0311E-05	1.0518E-05	9.3375E-06	8.0857E-06	6.5666E-06	5.2889E-06	3.6412E-06	2.8017E-06	2.2342E-06
43	0.2000	2.3771E-05	2.4185E-05	2.4778E-05	2.5252E-05	2.5198E-05	2.2487E-05	1.5977E-05	1.2152E-05	9.5356E-06
44	0.1000	2.7054E-05	2.6678E-05	2.6412E-05	2.5840E-05	2.4294E-05	2.0598E-05	1.5270E-05	1.1929E-05	9.4653E-06
45	5.0000E-02	1.0799E-06	1.0300E-06	1.0068E-06	9.8083E-07	9.5190E-07	9.1599E-07	8.7206E-07	8.2643E-07	7.8271E-07

TABLE CV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000141

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	-6.0595E-09	-4.9491E-09	1.9553E-09	4.9080E-09	-2.2549E-09	1.0491E-07	3.4512E-06	1.1117E-05	2.0153E-05
2	2.996	-2.2820E-06	-1.8561E-06	7.6851E-07	1.8261E-06	-8.9744E-07	4.8079E-06	1.8159E-04	5.6995E-04	1.0361E-03
3	2.410	-2.2295E-07	-1.8070E-07	7.5458E-08	1.7561E-07	-8.9701E-08	1.2840E-07	6.0281E-06	1.6822E-05	2.7223E-05
4	2.380	-3.7839E-07	-3.0616E-07	1.2902E-07	2.9647E-07	-1.5458E-07	3.2386E-07	1.2006E-05	3.3364E-05	5.8227E-05
5	2.330	-7.2569E-06	-5.9362E-06	2.4297E-06	5.8485E-06	-2.7235E-06	1.4357E-05	4.8796E-04	1.6202E-03	3.1013E-03
6	2.010	-4.0815E-06	-3.3289E-06	1.3943E-06	3.2516E-06	-1.5778E-06	2.6467E-06	1.0663E-04	2.9418E-04	5.1857E-04
7	1.900	-1.5423E-06	-1.2530E-06	5.3675E-07	1.2144E-06	-6.1725E-07	2.1113E-06	5.7058E-05	1.7222E-04	3.2213E-04
8	1.860	-1.4941E-05	-1.2283E-05	5.0796E-06	1.2127E-05	-5.4445E-06	3.1814E-05	9.2069E-04	3.1480E-03	6.3125E-03
9	1.670	-1.0504E-06	-8.6801E-07	3.5641E-07	8.5696E-07	-3.7459E-07	1.6505E-06	5.0941E-05	1.7023E-04	3.4059E-04
10	1.661	-1.2755E-05	-1.0473E-05	4.4181E-06	1.0294E-05	-4.7387E-06	1.1866E-05	3.6022E-04	1.0439E-03	1.9342E-03
11	1.556	-5.7256E-06	-4.6741E-06	2.0401E-06	4.5455E-06	-2.2294E-06	8.1317E-06	1.7122E-04	4.8407E-04	8.9396E-04
12	1.510	-3.8318E-06	-3.1212E-06	1.3824E-06	3.0215E-06	-1.5097E-06	7.6316E-06	1.4457E-04	4.3162E-04	8.3201E-04
13	1.480	-1.6660E-05	-1.3533E-05	6.1392E-06	1.3010E-05	-6.5486E-06	4.0300E-05	6.3052E-04	1.8201E-03	3.4742E-03
14	1.360	-4.3600E-07	-3.5318E-07	1.6358E-07	3.3702E-07	-1.6953E-07	1.1247E-06	1.4188E-05	3.7270E-05	6.7070E-05
15	1.357	-9.4686E-06	-7.6352E-06	3.6265E-06	7.2155E-06	-3.6712E-06	2.9905E-05	3.3206E-04	8.5866E-04	1.5407E-03
16	1.290	-1.1315E-05	-9.0621E-06	4.0977E-06	8.4118E-06	-4.0649E-06	5.3626E-05	5.2939E-04	1.4156E-03	2.6560E-03
17	1.208	-5.0630E-06	-4.0301E-06	2.0748E-06	3.6822E-06	-1.5714E-06	2.9691E-05	2.3741E-04	5.8692E-04	1.0478E-03
18	1.170	-9.4768E-06	-7.5411E-06	3.9420E-06	6.8498E-06	-2.1451E-06	7.3463E-05	6.2698E-04	1.6827E-03	3.2518E-03
19	1.100	-8.8028E-06	-6.9570E-06	3.8162E-06	6.1981E-06	-3.3517E-07	6.9234E-05	5.6500E-04	1.3493E-03	2.3906E-03
20	1.030	-3.2619E-06	-2.5308E-06	1.5191E-06	2.1629E-06	9.6041E-07	4.9914E-05	2.7847E-04	6.4085E-04	1.1246E-03
21	0.9980	-2.4377E-06	-1.8566E-06	1.2123E-06	1.5256E-06	1.6788E-06	5.1162E-05	2.6380E-04	5.8742E-04	1.0109E-03
22	0.9690	-6.4763E-07	-4.8495E-07	3.3990E-07	3.8403E-07	7.0333E-07	1.7219E-05	8.6531E-05	1.9229E-04	3.3317E-04
23	0.9600	-2.5792E-06	-1.8628E-06	1.5079E-06	1.3743E-06	5.5343E-06	1.0334E-04	4.9190E-04	1.0783E-03	1.8655E-03
24	0.9120	-7.4201E-08	-5.0225E-08	5.0932E-08	3.2635E-08	3.0341E-07	4.7074E-06	2.0660E-05	4.3679E-05	7.3514E-05
25	0.9100	2.3456E-06	2.5376E-06	4.8677E-07	-2.4432E-06	3.5425E-05	3.6806E-04	1.4037E-03	2.8234E-03	4.6524E-03
26	0.7900	1.6916E-06	1.4649E-06	-4.2057E-07	-1.0445E-06	1.0137E-05	7.9401E-05	2.6786E-04	5.1280E-04	8.2773E-04
27	0.7700	1.4928E-06	1.2703E-06	-4.1160E-07	-8.2920E-07	8.7191E-06	6.4294E-05	2.2360E-04	4.3945E-04	7.3719E-04
28	0.7550	2.9561E-06	2.4769E-06	-8.7837E-07	-1.4336E-06	1.7003E-05	1.1504E-04	3.5757E-04	6.6031E-04	1.0411E-03
29	0.7300	1.3675E-06	1.1344E-06	-4.2551E-07	-5.8987E-07	7.7700E-06	4.9322E-05	1.4789E-04	2.6829E-04	4.1825E-04
30	0.7200	6.5030E-06	5.3264E-06	-2.1002E-06	-2.1571E-06	3.7820E-05	2.1887E-04	6.2641E-04	1.1121E-03	1.7149E-03
31	0.6800	1.8557E-06	1.5040E-06	-6.0910E-07	-4.0632E-07	1.1348E-05	6.0350E-05	1.6375E-04	2.8265E-04	4.2723E-04
32	0.6700	1.3298E-05	1.0470E-05	-4.0994E-06	3.0183E-06	1.0847E-04	5.0676E-04	1.4379E-03	2.5908E-03	4.1837E-03
33	0.6000	3.7198E-06	2.8533E-06	-8.5136E-07	3.6420E-06	4.2420E-05	1.7276E-04	4.2599E-04	7.1531E-04	1.0853E-03
34	0.5800	1.0784E-05	8.2811E-06	2.7882E-07	2.4507E-05	1.7464E-04	5.2277E-04	1.4135E-03	2.2656E-03	3.3227E-03
35	0.5200	8.5707E-06	8.8792E-06	9.2914E-06	1.7146E-05	5.2887E-05	1.4881E-04	3.0999E-04	4.7497E-04	6.7361E-04
36	0.5090	6.0982E-06	5.5592E-06	1.2372E-05	5.6589E-05	2.3678E-04	6.8428E-04	1.3707E-03	2.0466E-03	2.8414E-03
37	0.4600	1.9705E-06	5.4100E-06	4.1140E-05	1.2823E-04	3.9342E-04	9.5553E-04	1.7251E-03	2.4293E-03	3.2184E-03
38	0.4050	1.3175E-05	3.2001E-05	1.5717E-04	3.5470E-04	7.9301E-04	1.5533E-03	2.5599E-03	3.4879E-03	4.5527E-03
39	0.3400	2.0930E-06	3.5657E-06	1.2092E-05	2.3928E-05	4.6601E-05	8.1698E-05	1.2529E-04	1.6510E-04	2.1048E-04
40	0.3370	6.2304E-05	8.8125E-05	2.1966E-04	3.9043E-04	6.8897E-04	1.1164E-03	1.6408E-03	2.1298E-03	2.6912E-03
41	0.3000	3.0421E-04	3.6153E-04	5.6130E-04	7.9865E-04	1.1595E-03	1.6264E-03	2.2493E-03	2.8890E-03	3.6546E-03
42	0.2560	1.5657E-03	1.7060E-03	1.8035E-03	1.9383E-03	2.2141E-03	2.7797E-03	3.6417E-03	4.5066E-03	5.5023E-03
43	0.2000	8.5165E-03	9.3626E-03	1.0165E-02	1.1233E-02	1.3175E-02	1.6285E-02	1.9790E-02	2.2930E-02	2.6312E-02
44	0.1000	1.2696E-02	1.3593E-02	1.4409E-02	1.5381E-02	1.6792E-02	1.8068E-02	1.7651E-02	1.7150E-02	1.6851E-02
45	5.0000E-02	6.5346E-04	6.8418E-04	6.9907E-04	7.1402E-04	7.2987E-04	7.4464E-04	7.5436E-04	7.5243E-04	7.3348E-04

TABLE CVI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000112

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.060	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.956	5.6502E-04	5.0402E-04	-1.4435E-04	-6.7818E-04	7.3619E-04	0.1529	0.2474	0.2382	0.2246
3	2.410	5.8408E-05	5.1382E-05	-1.5764E-05	-6.7974E-05	9.0498E-05	1.9601E-03	2.0247E-03	1.4050E-03	8.4715E-04
4	2.360	9.7864E-05	8.5715E-05	-2.7277E-05	-1.1267E-04	1.6202E-04	3.2552E-03	3.3756E-03	2.3491E-03	1.4212E-03
5	2.330	6.3238E-04	5.4194E-04	-2.0317E-04	-6.8475E-04	1.4155E-03	2.0550E-02	2.1753E-02	1.5360E-02	9.4761E-03
6	2.010	2.1454E-04	1.7882E-04	-8.0322E-05	-2.1106E-04	6.6173E-04	7.3696E-03	8.3883E-03	6.2519E-03	4.2340E-03
7	1.900	7.6890E-05	6.3383E-05	-3.0389E-05	-7.2135E-05	2.6759E-04	2.9095E-03	3.5460E-03	2.8165E-03	2.0779E-03
8	1.860	3.5222E-04	2.6488E-04	-1.5150E-04	-2.9798E-04	1.5071E-03	1.4462E-02	1.8355E-02	1.5010E-02	1.1468E-02
9	1.670	1.5956E-05	1.2664E-05	-7.3926E-06	-1.1887E-05	8.2009E-05	1.0562E-03	1.7392E-03	1.6348E-03	1.4664E-03
10	1.661	2.1078E-04	1.7071E-04	-9.1444E-05	-1.6276E-04	1.0598E-03	2.9785E-02	6.0831E-02	6.1794E-02	5.9521E-02
11	1.556	1.0168E-04	8.3174E-05	-4.2751E-05	-7.6964E-05	5.3377E-04	5.8860E-03	8.8764E-03	7.9130E-03	6.6320E-03
12	1.510	6.6209E-05	5.3894E-05	-2.8412E-05	-4.7053E-05	3.7403E-04	6.1281E-03	1.1502E-02	1.1306E-02	1.0511E-02
13	1.480	2.5161E-04	2.0096E-04	-1.1540E-04	-1.4046E-04	1.7360E-03	1.4794E-02	2.1134E-02	1.8366E-02	1.4827E-02
14	1.360	5.8204E-06	4.5412E-06	-2.8645E-06	-2.1769E-06	4.8685E-05	3.7167E-04	5.3143E-04	4.6435E-04	3.7636E-04
15	1.357	1.2041E-04	9.2006E-05	-6.2494E-05	-2.4649E-05	1.1647E-03	7.3504E-03	9.2971E-03	7.5947E-03	5.6027E-03
16	1.290	1.1918E-04	8.5769E-05	-6.9633E-05	-4.3591E-05	1.6483E-03	1.0400E-02	1.5229E-02	1.3655E-02	1.1373E-02
17	1.208	4.2381E-05	2.7874E-05	-2.7696E-05	-5.4219E-05	8.5830E-04	4.3518E-03	5.6178E-03	4.7587E-03	3.6757E-03
18	1.170	5.0831E-05	2.6864E-05	-3.9794E-05	-1.7200E-04	1.7641E-03	8.9619E-03	1.3063E-02	1.1906E-02	1.0068E-02
19	1.100	1.1855E-05	-6.3284E-06	-1.7569E-05	2.8190E-04	2.0373E-03	1.0589E-02	1.7804E-02	1.7375E-02	1.5782E-02
20	1.030	-9.2389E-06	-1.5137E-05	2.3863E-06	1.7396E-04	1.0373E-03	4.1402E-03	5.6362E-03	5.0950E-03	4.2485E-03
21	0.9980	-1.7825E-05	-2.1665E-05	9.8288E-06	1.8776E-04	1.0054E-03	4.0813E-03	6.1465E-03	5.0511E-03	5.1698E-03
22	0.9690	-2.3118E-05	-2.4939E-05	5.0931E-05	5.3917E-05	3.2162E-04	2.4812E-02	8.3497E-02	9.6639E-02	0.1014
23	0.9600	4.9829E-06	8.5692E-06	3.9506E-05	2.8463E-04	1.8583E-03	1.1530E-02	1.9315E-02	1.8299E-02	1.5765E-02
24	0.9120	1.2455E-06	1.6553E-06	2.2244E-06	1.0971E-05	8.2433E-05	2.7520E-02	9.9303E-02	0.1166	0.1234
25	0.9100	1.6004E-04	1.9493E-04	2.0074E-04	8.3481E-04	6.5003E-03	5.6655E-02	0.1180	0.1210	0.1127
26	0.7900	2.2243E-05	2.8319E-05	5.3377E-05	2.3254E-04	1.4458E-03	1.1515E-02	2.6452E-02	2.8395E-02	2.7631E-02
27	0.7700	1.4949E-05	1.9713E-05	4.6341E-05	1.9926E-04	1.1709E-03	7.7160E-03	1.5570E-02	1.6119E-02	1.5136E-02
28	0.7550	1.0160E-05	2.6573E-05	9.1717E-05	3.9456E-04	2.1376E-03	1.1098E-02	1.7996E-02	1.7296E-02	1.5000E-02
29	0.7300	6.7440E-06	1.1165E-05	4.3441E-05	1.7609E-04	9.1947E-04	1.3194E-02	4.4567E-02	5.2627E-02	5.5470E-02
30	0.7200	2.0536E-05	4.3663E-05	2.1881E-04	8.4669E-04	4.1362E-03	2.0775E-02	3.5060E-02	3.4567E-02	3.0794E-02
31	0.6800	1.2699E-06	7.5502E-06	6.7589E-05	2.5922E-04	1.1622E-03	5.3156E-03	8.9753E-03	8.9933E-03	8.1767E-03
32	0.6700	-4.6092E-05	1.6225E-05	7.1027E-04	2.5538E-03	9.8894E-03	3.7993E-02	6.1732E-02	6.2731E-02	5.8225E-02
33	0.6000	-1.7583E-05	1.6235E-05	3.1375E-04	9.8352E-04	3.4210E-03	2.7535E-02	9.7028E-02	0.1184	0.1273
34	0.5800	2.8110E-05	1.8047E-04	1.4041E-03	3.9696E-03	1.2732E-02	4.5843E-02	7.9958E-02	8.4627E-02	8.1388E-02
35	0.5200	1.0059E-03	1.1040E-03	1.5328E-03	2.3186E-03	4.6160E-03	1.5367E-02	3.8777E-02	4.6201E-02	4.9159E-02
36	0.5990	4.0894E-04	6.3561E-04	2.3207E-03	5.5568E-03	1.5180E-02	4.6381E-02	8.4305E-02	9.3692E-02	9.4786E-02
37	0.4600	1.2114E-03	1.6211E-03	4.4067E-03	9.4106E-03	2.2657E-02	5.6793E-02	9.4058E-02	0.1056	0.1093
38	0.4600	4.7408E-03	5.7061E-03	1.1089E-02	1.9591E-02	4.0571E-02	8.2728E-02	0.1239	0.1403	0.1467
39	0.3460	3.7734E-04	4.4019E-04	7.4495E-04	1.2178E-03	2.2622E-03	6.7490E-03	2.6051E-02	3.4933E-02	4.0175E-02
40	0.3370	7.0659E-03	8.0514E-03	1.2312E-02	1.8733E-02	3.2743E-02	6.3284E-02	0.1046	0.1215	0.1300
41	0.3000	1.8999E-02	2.0845E-02	2.7136E-02	3.6258E-02	5.5612E-02	9.6051E-02	0.1456	0.1660	0.1763
42	0.2560	6.6413E-02	7.0604E-02	7.9891E-02	9.3030E-02	0.1213	0.1964	0.3435	0.4114	0.4477
43	0.2000	0.4843	0.5110	0.5648	0.6379	0.7740	1.0000	1.207	1.308	1.368
44	0.1800	0.7516	0.7901	0.8336	0.8985	0.9959	1.094	1.097	1.080	1.061
45	5.0000E-02	3.9582E-02	4.0554E-02	4.1684E-02	4.2667E-02	4.3789E-02	4.4850E-02	4.5547E-02	4.5323E-02	4.3881E-02

TABLE CVII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000122

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	5.9155E-04	5.3476E-04	-1.2764E-04	-7.3485E-04	6.3221E-04	0.1572	0.2972	0.3055	0.2990
3	2.410	6.1196E-05	5.4880E-05	-1.4318E-05	-7.4211E-05	8.1567E-05	2.1641E-03	2.7843E-03	2.2363E-03	1.5975E-03
4	2.380	1.0314E-04	9.2033E-05	-2.5148E-05	-1.2365E-04	1.4822E-04	3.6000E-03	4.6438E-03	3.7373E-03	2.6754E-03
5	2.330	6.8931E-04	5.9561E-04	-1.9053E-04	-7.7189E-04	1.3764E-03	2.2930E-02	2.9507E-02	2.4380E-02	1.7678E-02
6	2.010	2.3859E-04	2.0212E-04	-8.2706E-05	-2.4691E-04	6.7204E-04	8.2660E-03	1.1300E-02	9.6090E-03	7.3694E-03
7	1.900	8.6379E-05	7.2372E-05	-3.1816E-05	-8.5775E-05	2.7521E-04	3.2498E-03	4.7027E-03	4.1643E-03	3.3729E-03
8	1.660	4.0177E-04	3.3043E-04	-1.6259E-04	-3.6573E-04	1.5787E-03	1.6197E-02	2.4132E-02	2.1864E-02	1.8172E-02
9	1.670	1.8453E-05	1.4906E-05	-8.0972E-06	-1.5162E-05	8.7033E-05	1.1452E-03	2.1265E-03	2.1501E-03	2.0205E-03
10	1.661	2.3707E-04	1.9488E-04	-9.8678E-05	-1.9977E-04	1.1244E-03	3.1007E-02	7.0583E-02	7.6572E-02	7.6819E-02
11	1.556	1.1220E-04	9.3050E-05	-4.5785E-05	-9.2712E-05	5.6798E-04	6.4479E-03	1.1093E-02	1.0812E-02	9.6897E-03
12	1.510	7.3123E-05	6.0332E-05	-3.0608E-05	-5.7256E-05	3.9966E-04	6.5177E-03	1.3623E-02	1.4373E-02	1.3993E-02
13	1.480	2.8034E-04	2.2696E-04	-1.2666E-04	-1.8005E-04	1.8733E-03	1.6447E-02	2.6913E-02	2.5794E-02	2.2592E-02
14	1.360	6.5652E-06	5.1955E-06	-3.2059E-06	-3.1233E-06	5.2942E-05	4.1548E-04	6.7800E-04	6.5335E-04	5.7494E-04
15	1.357	1.3737E-04	1.0658E-04	-7.1012E-05	-4.4734E-05	1.2730E-03	8.3605E-03	1.2328E-02	1.1358E-02	9.4495E-03
16	1.290	1.3966E-04	1.0252E-04	-8.2092E-05	-2.2100E-05	1.8197E-03	1.1739E-02	1.9393E-02	1.9088E-02	1.7173E-02
17	1.288	5.1398E-05	3.4894E-05	-3.4315E-05	4.7519E-05	9.5493E-04	5.0131E-03	7.4480E-03	7.0662E-03	6.0904E-03
18	1.170	6.5817E-05	3.7764E-05	-5.2477E-05	1.6632E-04	1.9772E-03	1.0260E-02	1.6740E-02	1.6725E-02	1.5291E-02
19	1.100	2.2789E-05	3.8144E-08	-3.0371E-05	2.8926E-04	2.3044E-03	1.2010E-02	2.1987E-02	2.3157E-02	2.2324E-02
20	1.030	-6.0698E-06	-1.3867E-05	-3.2066E-06	1.8300E-04	1.1809E-03	4.8356E-03	7.4008E-03	7.3923E-03	6.7608E-03
21	0.9980	-1.5949E-05	-2.1507E-05	4.7580E-06	1.9988E-04	1.1494E-03	4.7391E-03	7.8466E-03	8.1310E-03	7.7253E-03
22	0.9690	-3.7078E-06	-4.0124E-06	4.3892E-06	5.9767E-05	3.6747E-04	2.5043E-02	8.9800E-02	0.1101	0.1202
23	0.9600	-1.2911E-05	-7.8939E-06	4.0372E-06	3.2841E-04	2.1206E-03	1.2605E-02	2.3592E-02	2.4561E-02	2.3087E-02
24	0.9120	-1.1156E-07	5.3927E-07	2.5063E-06	1.3416E-05	9.3928E-05	2.7591E-02	0.105	0.1317	0.1449
25	0.9100	5.1779E-05	1.0351E-04	2.3997E-04	1.0469E-03	7.3744E-03	6.1053E-02	0.1358	0.1516	0.1507
26	0.7900	5.0848E-06	1.3982E-05	6.2554E-05	2.7898E-04	1.6411E-03	1.2416E-02	3.0170E-02	3.4668E-02	3.5668E-02
27	0.7700	2.2091E-06	9.3365E-06	5.4035E-05	2.3722E-04	1.3300E-03	8.4317E-03	1.8131E-02	2.0315E-02	2.0381E-02
28	0.7550	-1.9891E-06	1.0830E-05	1.0592E-04	4.6385E-04	2.4309E-03	1.2370E-02	2.2008E-02	2.3326E-02	2.2273E-02
29	0.7300	-2.0253E-06	4.3742E-06	5.0197E-05	2.0724E-04	1.0466E-03	1.3736E-02	4.8120E-02	5.9919E-02	6.5768E-02
30	0.7200	-1.3426E-05	1.7083E-05	2.5223E-04	9.9100E-04	4.7140E-03	2.3146E-02	4.2445E-02	4.5851E-02	4.4620E-02
31	0.6800	-5.6496E-06	2.3054E-06	7.7327E-05	3.0034E-04	1.3263E-03	5.9603E-03	1.0881E-02	1.1888E-02	1.1734E-02
32	0.6700	-7.4284E-05	-2.7073E-06	8.0592E-04	2.9273E-03	1.1346E-02	4.3214E-02	7.5637E-02	8.3499E-02	8.3720E-02
33	0.6000	-2.6944E-05	1.1366E-05	3.5720E-04	1.1337E-03	3.9476E-03	2.9282E-02	0.1045	0.1335	0.1494
34	0.5800	1.1995E-05	1.8583E-04	1.6088E-03	4.5945E-03	1.4751E-02	5.2104E-02	9.5992E-02	0.1092	0.1125
35	0.5300	1.2382E-03	1.3521E-03	1.8512E-03	2.7675E-03	5.4414E-03	1.7229E-02	4.3545E-02	5.4218E-02	5.9995E-02
36	0.5000	4.8701E-04	7.4506E-04	2.6913E-03	6.4643E-03	1.7737E-02	5.3345E-02	0.1093	0.1180	0.1259
37	0.4600	1.4472E-03	1.9159E-03	5.1421E-03	1.1007E-02	2.6711E-02	6.6008E-02	0.1139	0.1343	0.1454
38	0.4000	5.6034E-03	8.7273E-03	1.3096E-02	2.3625E-02	4.8444E-02	9.9017E-02	0.1524	0.1790	0.1962
39	0.3400	4.4468E-04	5.1843E-04	8.0536E-04	1.4568E-03	2.7209E-03	7.6169E-03	2.7807E-02	3.8190E-02	4.5071E-02
40	0.3370	8.3504E-03	8.5157E-03	1.4723E-02	2.2545E-02	3.9527E-02	7.5362E-02	0.1243	0.1493	0.1633
41	0.3000	2.2808E-02	2.5010E-02	3.2815E-02	4.4008E-02	6.7339E-02	0.1144	0.1734	0.2022	0.2202
42	0.2500	8.1088E-02	8.6069E-02	9.7222E-02	0.1129	0.1458	0.2297	0.3919	0.4774	0.5319
43	0.2000	0.5878	0.6197	0.6839	0.7711	0.9335	1.203	1.461	1.687	1.711
44	0.1800	0.3095	0.3437	1.008	1.085	1.281	1.316	1.313	1.291	1.270
45	5.0000E-02	4.7721E-02	4.8873E-02	5.0121E-02	5.1382E-02	5.2714E-02	5.3971E-02	5.4791E-02	5.4468E-02	5.2664E-02

TABLE CVIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000132

(4 π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	5.5040E-04	5.0733E-04	-1.0435E-04	-7.1847E-04	5.6362E-04	0.1579	0.3196	0.3454	0.3496
3	2.410	5.7350E-05	5.2371E-05	-1.2065E-05	-7.2933E-05	7.4810E-05	2.2262E-03	3.2397E-03	2.9059E-03	2.3478E-03
4	2.380	9.7072E-05	8.0142E-05	-2.1494E-05	-1.2188E-04	1.3777E-04	3.7075E-03	5.4028E-03	4.6555E-03	3.9252E-03
5	2.330	6.5523E-04	5.7964E-04	-1.7893E-04	-7.7216E-04	1.3239E-03	2.3753E-02	3.4838E-02	3.1641E-02	2.5654E-02
6	2.010	2.3950E-04	2.0033E-04	-7.7683E-05	-2.5167E-04	6.6218E-04	8.6888E-03	1.3076E-02	1.2253E-02	1.0391E-02
7	1.900	8.5131E-05	7.2201E-05	-3.0262E-05	-8.0094E-05	2.7312E-04	3.3837E-03	5.3810E-03	5.1922E-03	4.5652E-03
8	1.860	4.0015E-04	3.3292E-04	-1.5746E-04	-3.8073E-04	1.5834E-03	1.6915E-02	2.7501E-02	2.7011E-02	2.4209E-02
9	1.670	1.0549E-05	1.5153E-05	-7.9557E-06	-1.6021E-05	8.7952E-05	1.1828E-03	2.3240E-03	2.4821E-03	2.4365E-03
10	1.661	2.3471E-04	1.9503E-04	-9.6096E-05	-2.0742E-04	1.1380E-03	3.1488E-02	7.4569E-02	8.4463E-02	8.7594E-02
11	1.556	1.0999E-04	9.2155E-05	-4.4421E-05	-9.5246E-05	5.7660E-04	6.6819E-03	1.2266E-02	1.2755E-02	1.2117E-02
12	1.510	7.1748E-05	5.9791E-05	-2.9822E-05	-5.8959E-05	4.0674E-04	6.6790E-03	1.4588E-02	1.6151E-02	1.6351E-02
13	1.480	2.7679E-04	2.2615E-04	-1.2494E-04	-1.8790E-04	1.9171E-03	1.7166E-02	3.0066E-02	3.0932E-02	2.8976E-02
14	1.360	6.5338E-06	5.2150E-06	-3.2009E-06	-3.3469E-06	5.4411E-05	4.3509E-04	7.5885E-04	7.8437E-04	7.3811E-04
15	1.357	1.3767E-04	1.0771E-04	-7.1532E-05	-5.0103E-05	1.3119E-03	8.8218E-03	1.4085E-02	1.4115E-02	1.2821E-02
16	1.290	1.4229E-04	1.0536E-04	-8.4380E-05	-1.5261E-05	1.8859E-03	1.2371E-02	2.1717E-02	2.2634E-02	2.1881E-02
17	1.208	5.3426E-05	3.6704E-05	-3.6011E-05	-4.4301E-05	9.9407E-04	5.3940E-03	8.5255E-03	8.7446E-03	8.1643E-03
18	1.170	7.0864E-05	4.1809E-05	-5.6742E-05	-1.6194E-04	2.0670E-03	1.0906E-02	1.8846E-02	2.0068E-02	1.9504E-02
19	1.100	2.8762E-05	4.2331E-06	-3.5853E-05	2.8828E-04	2.4223E-03	1.2737E-02	2.4286E-02	2.6911E-02	2.7191E-02
20	1.030	-3.2824E-06	-1.2009E-05	-6.1339E-06	1.8438E-04	1.2463E-03	5.1990E-03	8.4498E-03	9.0175E-03	8.8098E-03
21	0.9980	-1.3167E-05	-1.9772E-05	1.9294E-06	2.0227E-04	1.2161E-03	5.0875E-03	8.8359E-03	9.6844E-03	9.7123E-03
22	0.9690	-3.9451E-06	-4.3915E-06	3.8704E-06	6.1753E-05	3.8925E-04	2.5155E-02	9.1405E-02	0.1148	0.1282
23	0.9600	-1.9752E-05	-1.4568E-05	3.9514E-05	3.4644E-04	2.2401E-03	1.3439E-02	2.5735E-02	2.8316E-02	2.8200E-02
24	0.9120	-6.9929E-07	-4.8334E-08	2.5770E-06	1.4536E-05	9.9654E-05	2.7619E-02	0.1074	0.1365	0.1535
25	0.9100	-7.5616E-06	5.6012E-05	2.5481E-04	1.1533E-03	7.8158E-03	6.3096E-02	0.1448	0.1673	0.1736
26	0.7930	-4.2449E-06	6.4714E-06	6.6206E-05	3.0223E-04	1.7393E-03	1.2838E-02	3.1706E-02	3.7720E-02	4.0200E-02
27	0.7700	-4.6239E-06	3.4065E-06	5.7124E-05	2.5616E-04	1.4099E-03	8.7681E-03	1.9330E-02	2.2487E-02	2.3530E-02
28	0.7550	-1.1356E-05	2.0174E-06	1.1168E-04	4.9812E-04	2.5779E-03	1.2973E-02	2.3917E-02	2.6717E-02	2.7026E-02
29	0.7300	-5.9829E-06	6.6466E-07	5.2961E-05	2.2259E-04	1.1105E-03	1.3992E-02	4.9195E-02	6.2620E-02	7.0297E-02
30	0.7200	-2.8705E-05	2.8954E-06	2.6617E-04	1.0631E-03	5.0048E-03	2.4271E-02	4.5895E-02	5.2006E-02	5.3333E-02
31	0.6800	-8.6172E-06	-4.4481E-07	8.1467E-05	3.2043E-04	1.4096E-03	6.2697E-03	1.1783E-02	1.3469E-02	1.3962E-02
32	0.6700	-8.3389E-05	-9.0493E-06	8.4776E-04	3.1079E-03	1.2079E-02	4.5772E-02	8.2503E-02	9.4992E-02	9.9691E-02
33	0.6000	-2.8890E-05	1.0466E-05	3.7652E-04	1.2060E-03	4.2150E-03	3.0146E-02	0.1070	0.1392	0.1587
34	0.5800	1.2976E-05	1.9409E-04	1.7035E-03	4.9007E-03	1.5783E-02	5.5208E-02	0.1035	0.1219	0.1303
35	0.5200	1.3740E-03	1.4959E-03	2.0294E-03	3.0135E-03	5.8846E-03	1.8183E-02	4.5627E-02	5.7777E-02	6.5223E-02
36	0.5090	5.3126E-04	8.0361E-04	2.8759E-03	6.9261E-03	1.9059E-02	5.6830E-02	0.1079	0.1302	0.1429
37	0.4600	1.5629E-03	2.0623E-03	5.5199E-03	1.1838E-02	2.8814E-02	7.1575E-02	0.1236	0.1489	0.1650
38	0.4050	6.0258E-03	7.2373E-03	1.4158E-02	2.5593E-02	5.2572E-02	0.1073	0.1066	0.1987	0.2215
39	0.3400	4.7846E-04	5.5827E-04	9.6038E-04	1.5836E-03	2.9622E-03	8.0595E-03	2.8541E-02	3.9353E-02	4.6844E-02
40	0.3370	9.0139E-03	1.0278E-02	1.6020E-02	2.4600E-02	4.3090E-02	8.1483E-02	0.1339	0.1612	0.1798
41	0.3000	2.4895E-02	2.7276E-02	3.5906E-02	4.8183E-02	7.3460E-02	0.1236	0.1665	0.2194	0.2417
42	0.2560	8.9140E-02	9.4499E-02	0.1065	0.1232	0.1582	0.2458	0.4137	0.5059	0.5686
43	0.2000	0.6393	0.6737	0.7428	0.8366	1.011	1.300	1.582	1.750	1.877
44	0.1000	0.9866	1.024	1.092	1.176	1.300	1.423	1.416	1.391	1.369
45	5.0000E-02	5.1657E-02	5.2690E-02	5.4227E-02	5.6578E-02	5.7006E-02	5.8350E-02	5.9209E-02	5.8851E-02	5.6867E-02

TABLE CIX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000142

(4π photons/cm² sec ster)

	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0	0	0	0	0	0	0	0	0
2	2.995	5.1502E-04	4.8102E-04	-9.1083E-05	-6.9528E-04	5.3374E-04	0.1580	0.3259	0.3603	0.3713
3	2.410	5.3969E-05	4.9813E-05	-1.0795E-05	-7.0737E-05	7.2363E-05	2.2378E-03	3.4029E-03	3.2176E-03	2.7686E-03
4	2.380	9.1527E-05	8.3961E-05	-1.9388E-05	-1.1832E-04	1.3369E-04	3.7284E-03	5.6760E-03	5.3762E-03	4.6189E-03
5	2.330	6.2285E-04	5.5567E-04	-1.6581E-04	-7.5318E-04	1.2988E-03	2.3938E-02	3.6636E-02	3.5029E-02	3.0352E-02
6	2.010	2.2393E-04	1.9345E-04	-7.3484E-05	-2.4688E-04	6.5518E-04	8.6962E-03	1.3728E-02	1.3474E-02	1.2027E-02
7	1.900	8.1693E-05	6.9999E-05	-2.8801E-05	-8.6605E-05	2.7090E-04	3.4192E-03	5.6279E-03	5.6586E-03	5.1962E-03
8	1.660	3.8675E-04	3.2360E-04	-1.5116E-04	-3.7564E-04	1.5764E-03	1.7115E-02	2.8732E-02	2.9327E-02	2.7363E-02
9	1.670	1.0002E-05	1.4783E-05	-7.6888E-06	-1.5862E-05	8.7802E-05	1.1937E-03	2.3907E-03	2.6174E-03	2.6305E-03
10	1.661	2.2688E-04	1.8955E-04	-9.2692E-05	-2.0451E-04	1.1371E-03	3.1626E-02	7.5082E-02	8.7179E-02	9.1872E-02
11	1.556	1.0606E-04	8.9371E-05	-4.2781E-05	-9.3646E-05	5.7699E-04	6.7497E-03	1.2665E-02	1.3556E-02	1.3263E-02
12	1.510	6.9267E-05	5.8025E-05	-2.8774E-05	-5.7974E-05	4.0740E-04	6.7261E-03	1.4886E-02	1.6811E-02	1.7353E-02
13	1.480	2.6812E-04	2.2086E-04	-1.2132E-04	-1.8493E-04	1.9242E-03	1.7384E-02	3.1175E-02	3.3690E-02	3.2054E-02
14	1.360	6.3531E-06	5.8907E-06	-3.1248E-06	-3.2966E-06	5.4697E-05	4.4114E-04	7.8757E-04	8.3952E-04	8.1667E-04
15	1.357	1.3428E-04	1.0543E-04	-7.0098E-05	-4.9459E-05	1.3201E-03	8.9665E-03	1.4729E-02	1.5312E-02	1.4500E-02
16	1.290	1.3584E-04	1.0366E-04	-8.3367E-05	-1.5833E-05	1.9018E-03	1.2575E-02	2.2560E-02	2.4410E-02	2.4123E-02
17	1.203	5.2991E-05	3.6526E-05	-3.5858E-05	4.3846E-05	1.0041E-03	5.4403E-03	8.9288E-03	9.4715E-03	9.1813E-03
18	1.170	7.1387E-05	4.2450E-05	-5.7087E-05	1.6060E-04	2.0914E-03	1.1125E-02	1.9629E-02	2.1481E-02	2.1502E-02
19	1.100	3.0927E-05	6.0303E-06	-3.7030E-05	2.8676E-04	2.4562E-03	1.2990E-02	2.5132E-02	2.8442E-02	2.9389E-02
20	1.030	-1.7218E-06	-1.0800E-05	-6.9622E-06	1.8378E-04	1.2658E-03	5.3276E-03	8.8509E-03	9.7100E-03	9.7775E-03
21	0.9980	-1.1406E-05	-1.8461E-05	1.0083E-06	2.0183E-04	1.2364E-03	5.2123E-03	9.2125E-03	1.0335E-02	1.0627E-02
22	0.9690	-3.6828E-06	-4.2191E-06	3.6226E-06	6.1961E-05	3.9603E-04	2.5195E-02	9.1662E-02	0.1159	0.1304
23	0.9600	-1.9685E-05	-1.4825E-05	3.8673E-05	3.4962E-04	2.2888E-03	1.3664E-02	2.6473E-02	2.9720E-02	3.0314E-02
24	0.9120	-7.7171E-07	-1.2407E-07	2.5639E-06	1.4772E-05	1.0152E-04	2.7629E-02	0.1876	0.1374	0.1557
25	0.9100	-1.6498E-05	4.7312E-05	2.5621E-04	1.1795E-03	7.9646E-03	6.3804E-02	0.1472	0.1724	0.1819
26	0.7900	-5.4203E-06	4.6742E-06	6.6647E-05	3.0832E-04	1.7730E-03	1.2984E-02	3.2174E-02	3.8686E-02	4.1780E-02
27	0.7700	-5.4181E-06	2.5655E-06	5.7532E-05	2.6128E-04	1.4374E-03	8.8843E-03	1.9690E-02	2.3202E-02	2.4667E-02
28	0.7550	-1.2308E-05	9.2213E-07	1.1250E-04	5.0742E-04	2.6286E-03	1.3181E-02	2.4536E-02	2.7886E-02	2.8824E-02
29	0.7300	-6.3807E-06	2.1080E-07	5.3398E-05	2.2682E-04	1.1326E-03	1.4080E-02	4.9478E-02	6.3307E-02	7.1579E-02
30	0.7200	-3.0005E-05	1.3452E-06	2.6869E-04	1.0833E-03	5.1060E-03	2.4660E-02	4.6999E-02	5.4074E-02	5.6528E-02
31	0.6800	-8.7031E-06	-6.1952E-07	8.2294E-05	3.2628E-04	1.4384E-03	6.3765E-03	1.2074E-02	1.4001E-02	1.4775E-02
32	0.6700	-8.0693E-05	-7.2478E-06	8.5766E-04	3.1631E-03	1.2336E-02	4.6658E-02	8.4739E-02	9.8896E-02	0.1055
33	0.6000	-2.7902E-05	1.1626E-05	3.8166E-04	1.2288E-03	4.3092E-03	3.0446E-02	0.1078	0.1407	0.1613
34	0.5900	1.7043E-05	1.0924E-04	1.7313E-03	5.0013E-03	1.6149E-02	5.6282E-02	0.1060	0.1259	0.1364
35	0.5200	1.4253E-03	1.5498E-03	2.0947E-03	3.1029E-03	6.0453E-03	1.8517E-02	4.6293E-02	5.8854E-02	6.6836E-02
36	0.5090	5.4557E-04	8.2240E-04	2.9375E-03	7.0874E-03	1.9530E-02	5.8038E-02	0.1104	0.1340	0.1484
37	0.4600	1.5952E-03	2.1062E-03	5.6516E-03	1.2137E-02	2.9562E-02	7.3267E-02	0.1267	0.1535	0.1714
38	0.4050	6.1557E-03	7.4016E-03	1.4539E-02	2.6310E-02	5.4032E-02	0.1101	0.1712	0.2050	0.2297
39	0.3400	4.8954E-04	5.7169E-04	9.8754E-04	1.6301E-03	3.0470E-03	8.2072E-03	2.8770E-02	3.9673E-02	4.7299E-02
40	0.3370	9.2429E-03	1.0545E-02	1.6491E-02	2.5344E-02	4.4347E-02	8.3510E-02	0.1369	0.1651	0.1648
41	0.3000	2.5650E-02	2.8106E-02	3.7034E-02	4.5675E-02	7.5560E-02	0.1265	0.1905	0.2247	0.2482
42	0.2560	9.2081E-02	9.7557E-02	8.1087	0.1267	0.1623	0.2509	0.4204	0.5143	0.5791
43	0.2000	0.6560	0.6912	0.7610	0.8575	1.036	1.331	1.619	1.793	1.927
44	0.1000	1.011	1.049	1.119	1.204	1.331	1.456	1.448	1.422	1.399
45	5.0000E-02	5.2891E-02	5.4147E-02	5.5511E-02	5.6866E-02	5.8343E-02	5.9711E-02	6.0581E-02	6.0202E-02	5.8156E-02

TABLE CX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000113

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	2.410	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	2.380	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	2.330	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	2.010	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	1.900	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	1.860	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	1.670	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	1.661	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	1.556	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	1.510	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	1.480	6.4774E-05	6.3326E-05	-8.2932E-06	-9.3538E-05	2.7100E-05	3.2231E-02	8.2653E-02	8.9085E-02	8.9511E-02
14	1.360	3.2894E-06	3.1203E-06	-4.5816E-07	-4.5832E-06	1.9563E-06	1.5381E-04	2.2364E-04	1.8032E-04	1.2609E-04
15	1.357	7.3808E-05	7.0605E-05	-1.3043E-05	-1.0230E-04	7.2564E-05	3.4230E-03	4.9800E-03	4.0394E-03	2.8486E-03
16	1.290	9.4114E-05	8.6827E-05	-2.3312E-05	-1.2174E-04	1.6839E-04	4.1667E-03	6.0667E-03	4.9908E-03	3.5911E-03
17	1.288	4.4007E-05	3.9497E-05	-1.3353E-05	-5.3365E-05	1.1120E-04	1.9263E-03	2.8054E-03	2.3379E-03	1.7134E-03
18	1.170	7.9395E-05	6.9332E-05	-2.8461E-05	-8.9317E-05	2.6809E-04	3.5480E-03	5.1673E-03	4.3645E-03	3.2602E-03
19	1.100	7.3996E-05	6.1995E-05	-3.2436E-05	-7.1510E-05	3.6163E-04	3.5579E-03	5.1800E-03	4.4625E-03	3.4266E-03
20	1.030	3.0792E-05	2.4809E-05	-1.5688E-05	-2.4386E-05	2.0078E-04	1.6337E-03	2.3775E-03	2.0811E-03	1.6339E-03
21	0.9980	2.5621E-05	2.0009E-05	-1.4427E-05	-1.6325E-05	2.0353E-04	1.4864E-03	2.1624E-03	1.9128E-03	1.5235E-03
22	0.9690	7.4410E-06	5.6737E-06	-4.4817E-06	-3.8041E-06	6.7583E-05	4.6266E-04	6.7285E-04	5.9929E-04	4.8176E-04
23	0.9680	3.4794E-05	2.5292E-05	-2.3469E-05	-8.3233E-06	3.9916E-04	2.4810E-03	3.6063E-03	3.2476E-03	2.6501E-03
24	0.9120	1.2561E-06	8.6061E-07	-9.4369E-07	1.3708E-07	1.8100E-05	1.0392E-04	1.5097E-04	1.3730E-04	1.1351E-04
25	0.9100	3.6232E-05	1.4657E-05	-4.4627E-05	1.1113E-04	1.3608E-03	6.3578E-03	9.2214E-03	8.6234E-03	7.3900E-03
26	0.7900	-2.2013E-06	-4.9602E-06	-3.4490E-06	4.2075E-05	2.8084E-04	1.0881E-03	1.5737E-03	1.5206E-03	1.3571E-03
27	0.7700	-3.5469E-06	-5.3758E-06	-1.3561E-06	3.7356E-05	2.2325E-04	8.2338E-04	1.1898E-03	1.1601E-03	1.0468E-03
28	0.7550	-9.7235E-06	-1.2181E-05	6.8252E-07	7.4592E-05	3.9801E-04	1.3879E-03	2.0034E-03	1.9744E-03	1.8046E-03
29	0.7300	-5.2632E-06	-6.0222E-06	1.5233E-06	3.4494E-05	1.6874E-04	5.6113E-04	8.0908E-04	8.0492E-04	7.4366E-04
30	0.7200	-2.9352E-05	-3.0805E-05	1.5006E-05	1.6881E-04	7.3566E-04	2.2847E-03	3.2886E-03	3.3179E-03	3.1172E-03
31	0.6800	-9.3979E-06	-9.2839E-06	6.4021E-06	5.0597E-05	1.9994E-04	5.8217E-04	8.3631E-04	8.5553E-04	8.1673E-04
32	0.6700	-8.8824E-05	-8.0534E-05	8.8776E-05	4.7529E-04	1.6179E-03	4.2411E-03	6.0678E-03	6.3627E-03	6.2257E-03
33	0.6000	-3.1127E-05	-2.5796E-05	4.3833E-05	1.8087E-04	5.3945E-04	1.2738E-03	1.8123E-03	1.9440E-03	1.9573E-03
34	0.5800	-9.8080E-05	-7.0251E-05	2.1214E-04	7.1046E-04	1.8874E-03	4.0648E-03	5.7440E-03	6.2911E-03	6.4825E-03
35	0.5200	-7.0529E-06	2.5253E-07	6.6689E-05	1.7503E-04	4.1282E-04	8.2936E-04	1.1806E-03	1.3170E-03	1.3829E-03
36	0.5090	-4.4137E-05	1.0147E-05	3.4795E-04	8.8538E-04	1.9962E-03	3.7824E-03	5.2684E-03	5.9219E-03	6.2868E-03
37	0.4800	8.6050E-05	1.6783E-04	6.6559E-04	1.3944E-03	2.7600E-03	4.7995E-03	6.5721E-03	7.4568E-03	8.0248E-03
38	0.4000	6.7763E-04	8.4247E-04	1.6185E-03	2.6640E-03	4.5614E-03	7.3486E-03	9.7953E-03	1.1006E-02	1.1806E-02
39	0.3400	5.8037E-05	6.7624E-05	1.0588E-04	1.5626E-04	2.4652E-04	3.8340E-04	5.0226E-04	5.5624E-04	5.8939E-04
40	0.3370	1.0958E-03	1.2348E-03	1.7169E-03	2.3435E-03	3.4779E-03	5.2637E-03	6.8260E-03	7.4519E-03	7.8018E-03
41	0.3000	2.8817E-03	3.1045E-03	3.6294E-03	4.3065E-03	5.6027E-03	7.9767E-03	9.9657E-03	1.0549E-02	1.0737E-02
42	0.2500	8.6164E-03	8.9055E-03	9.3605E-03	1.0002E-02	1.1205E-02	1.3066E-02	1.5781E-02	1.6800E-02	1.7181E-02
43	0.2000	3.6940E-02	3.9174E-02	4.1577E-02	4.5560E-02	5.2364E-02	6.1420E-02	6.7211E-02	6.9676E-02	7.0964E-02
44	0.1000	4.9300E-02	5.0640E-02	5.2057E-02	5.5708E-02	5.9293E-02	6.0930E-02	5.5952E-02	5.1595E-02	4.8113E-02
45	5.0000E-02	2.3816E-03	2.4090E-03	2.4400E-03	2.4708E-03	2.5014E-03	2.5224E-03	2.5173E-03	2.4615E-03	2.3988E-03

TABLE CXI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000123

(4π photons/cm² sec ster)

	I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	2.410	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	2.390	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	2.330	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	2.010	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	1.900	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	1.860	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	1.670	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	1.661	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	1.556	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	1.510	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	1.480	5.5244E-05	5.6975E-05	-3.2255E-06	-8.9603E-05	1.0542E-05	3.2444E-32	9.200.E-02	0.1057	0.1107	
14	1.360	2.7605E-06	2.8242E-06	-2.1540E-07	-4.4136E-06	1.1840E-06	1.6060E-34	2.761.E-04	2.5514E-04	2.0779E-04	
15	1.357	6.5214E-05	6.4987E-05	-8.0410E-06	-9.9819E-05	5.6109E-05	3.5895E-33	6.1573E-03	5.7149E-03	4.6797E-03	
16	1.290	8.6942E-05	8.2884E-05	-1.8427E-05	-1.2228E-04	1.5442E-04	4.4111E-33	7.5248E-03	7.0586E-03	5.8564E-03	
17	1.208	4.2018E-05	3.8716E-05	-1.1661E-05	-5.4880E-05	1.0741E-04	2.0558E-33	3.4894E-03	3.3051E-03	2.7761E-03	
18	1.170	7.7994E-05	6.9645E-05	-2.6388E-05	-9.4139E-05	2.6688E-04	3.8167E-33	6.4452E-03	6.1671E-03	5.2478E-03	
19	1.100	7.5508E-05	6.4484E-05	-3.1901E-05	-7.8617E-05	3.7015E-04	3.8696E-33	6.4865E-03	6.2994E-03	5.4646E-03	
20	1.030	3.2410E-35	2.6607E-05	-1.6001E-05	-2.8235E-05	2.0879E-04	1.7920E-33	2.3859E-03	2.9350E-03	2.5863E-03	
21	0.9980	2.7559E-35	2.1953E-05	-1.5038E-05	-2.0041E-05	2.1350E-04	1.6392E-03	2.7289E-03	2.6958E-03	2.4001E-03	
22	0.9690	8.1294E-36	5.3355E-06	-4.7360E-06	-4.9680E-06	7.1255E-05	5.1197E-04	8.4766E-04	8.4416E-04	7.5660E-04	
23	0.9600	3.9121E-05	2.9222E-05	-2.5355E-05	-1.4713E-05	4.2410E-04	2.7604E-03	4.5520E-03	4.5708E-03	4.1410E-03	
24	0.9120	1.4581E-06	1.0369E-06	-1.0472E-06	-1.3584E-07	1.9348E-05	1.1618E-04	1.3088E-04	1.9309E-04	1.7659E-04	
25	0.9100	5.0537E-05	2.6027E-05	-5.3146E-05	9.8175E-05	1.4678E-03	7.2028E-03	1.1713E-02	1.2096E-02	1.1360E-02	
26	0.7900	1.3648E-07	-3.1900E-06	-5.2486E-06	4.1358E-05	3.0979E-04	1.2512E-03	2.0088E-03	2.1245E-03	2.0562E-03	
27	0.7700	-1.7952E-06	-4.1106E-06	-2.7496E-06	3.7272E-05	2.4728E-04	9.5063E-04	1.5207E-03	1.6189E-03	1.5798E-03	
28	0.7550	-6.7844E-06	-1.0264E-05	-1.7193E-06	7.5544E-05	4.4296E-04	1.6102E-03	2.5645E-03	2.7512E-03	2.7108E-03	
29	0.7300	-4.1404E-06	-5.3266E-06	5.0912E-07	3.5320E-05	1.8857E-04	6.5374E-04	1.0370E-03	1.1201E-03	1.1129E-03	
30	0.7200	-2.5411E-05	-2.8541E-05	1.1288E-05	1.7540E-04	8.2724E-04	2.6787E-03	4.2232E-03	4.6072E-03	4.6346E-03	
31	0.6800	-8.5709E-06	-8.0915E-06	5.6042E-06	5.3215E-05	2.2617E-04	6.8685E-04	1.0759E-03	1.1852E-03	1.2066E-03	
32	0.6700	-8.5779E-05	-8.0414E-05	8.6352E-05	5.0996E-04	1.8499E-03	5.0581E-03	7.8283E-03	8.7625E-03	9.0990E-03	
33	0.6000	-3.1407E-05	-2.6702E-05	4.4848E-05	1.9757E-04	6.2367E-04	1.5365E-03	2.3439E-03	2.6665E-03	2.8252E-03	
34	0.5800	-1.0287E-04	-7.5593E-05	2.2479E-04	7.8997E-04	2.2075E-03	4.9551E-03	7.4413E-03	8.5772E-03	9.2426E-03	
35	0.5200	-7.9882E-06	4.2255E-07	7.2976E-05	1.9763E-04	4.8672E-04	1.0148E-03	1.5189E-03	1.7706E-03	1.9332E-03	
36	0.5090	-5.2005E-05	-3.9529E-06	3.8375E-04	1.0118E-03	2.3792E-03	4.5796E-03	6.8262E-03	7.9789E-03	8.7757E-03	
37	0.4600	8.2284E-05	1.7402E-04	7.5418E-04	1.6187E-03	3.3381E-03	5.9059E-03	8.4911E-03	9.9340E-03	1.1081E-02	
38	0.4060	7.3644E-04	9.3037E-04	1.8868E-03	3.2021E-03	5.6266E-03	9.2154E-03	1.2548E-02	1.4435E-02	1.5833E-02	
39	0.3400	6.4675E-05	7.6193E-05	1.2520E-04	1.9012E-04	3.0679E-04	4.8051E-04	6.3909E-04	7.2294E-04	7.8206E-04	
40	0.3370	1.2459E-03	1.4152E-03	2.0503E-03	2.0744E-03	4.3468E-03	6.6066E-03	8.5365E-03	9.6251E-03	1.0271E-02	
41	0.3000	3.4061E-03	3.6918E-03	4.4142E-03	5.3386E-03	7.0206E-03	9.8996E-03	1.2450E-02	1.3470E-02	1.3970E-02	
42	0.2500	1.0702E-02	1.1220E-02	1.1739E-02	1.2462E-02	1.3904E-02	1.6910E-02	1.9720E-02	2.1268E-02	2.2275E-02	
43	0.2000	4.6870E-02	4.0033E-02	5.2775E-02	5.7877E-02	6.6590E-02	7.8457E-02	8.6989E-02	9.1600E-02	9.4879E-02	
44	0.1000	6.3164E-02	6.4021E-02	6.7989E-02	7.1590E-02	7.6291E-02	7.8515E-02	7.2592E-02	6.7445E-02	6.3209E-02	
45	5.0000E-02	3.0610E-03	3.0099E-03	3.1430E-03	3.1849E-03	3.2269E-03	3.2578E-03	3.2554E-03	3.1870E-03	3.0315E-03	

TABLE CXII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000133

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.000	0.	0.	0.	0.	0.	0.	0.	0.	0.
2	2.996	0.	0.	0.	0.	0.	0.	0.	0.	0.
3	2.410	0.	0.	0.	0.	0.	0.	0.	0.	0.
4	2.388	0.	0.	0.	0.	0.	0.	0.	0.	0.
5	2.330	0.	0.	0.	0.	0.	0.	0.	0.	0.
6	2.010	0.	0.	0.	0.	0.	0.	0.	0.	0.
7	1.900	0.	0.	0.	0.	0.	0.	0.	0.	0.
8	1.860	0.	0.	0.	0.	0.	0.	0.	0.	0.
9	1.670	0.	0.	0.	0.	0.	0.	0.	0.	0.
10	1.661	0.	0.	0.	0.	0.	0.	0.	0.	0.
11	1.556	0.	0.	0.	0.	0.	0.	0.	0.	0.
12	1.510	0.	0.	0.	0.	0.	0.	0.	0.	0.
13	1.400	4.5137E-05	4.9100E-05	2.9995E-07	-8.2361E-05	4.3369E-06	3.2463E-02	9.4702E-02	0.1128	0.1216
14	1.360	2.2749E-06	2.4468E-06	-4.1581E-08	-4.0701E-06	8.8246E-07	1.6156E-04	2.9798E-04	2.9949E-04	2.6848E-04
15	1.357	5.4078E-05	5.6974E-05	-4.3945E-06	-9.2675E-05	4.8847E-05	3.6181E-03	6.6530E-03	6.7114E-03	6.0415E-03
16	1.290	7.5734E-05	7.4265E-05	-1.4114E-05	-1.1512E-04	1.4661E-04	4.4654E-03	8.1533E-03	8.2962E-03	7.5437E-03
17	1.208	3.7475E-05	3.5295E-05	-9.8036E-06	-5.2225E-05	1.0418E-04	2.0890E-03	3.7901E-03	3.8869E-03	3.5676E-03
18	1.170	7.0930E-05	6.4513E-05	-2.3310E-05	-9.0532E-05	2.6230E-04	3.8933E-03	7.0179E-03	7.2560E-03	6.7265E-03
19	1.100	7.0402E-05	6.0925E-05	-2.9444E-05	-7.6803E-05	3.6820E-04	3.9690E-03	7.0874E-03	7.4152E-03	6.9756E-03
20	1.030	3.0794E-05	2.5574E-05	-1.5144E-05	-2.8034E-05	2.0916E-04	1.8460E-03	3.2713E-03	3.4554E-03	3.2695E-03
21	0.9980	2.6542E-05	2.1373E-05	-1.4424E-05	-2.0211E-05	2.1473E-04	1.6935E-03	2.9861E-03	3.1739E-03	3.0453E-03
22	0.9630	7.9006E-06	6.2215E-06	-4.5810E-06	-5.1083E-06	7.1836E-05	5.2989E-04	9.3131E-04	9.9386E-04	9.5843E-04
23	0.9600	3.8641E-05	2.9183E-05	-2.4843E-05	-1.5886E-05	4.2912E-04	2.8655E-03	5.0100E-03	5.3810E-03	5.2315E-03
24	0.9120	1.4649E-06	1.0558E-06	-1.0377E-06	-2.0292E-07	1.9634E-05	1.2091E-04	2.1041E-04	2.2726E-04	2.2266E-04
25	0.9100	5.5210E-05	3.0315E-05	-5.4651E-05	9.1933E-05	1.5017E-03	7.5528E-03	1.2967E-02	1.4230E-02	1.4217E-02
26	0.7900	1.6479E-06	-2.0314E-06	-5.8856E-06	4.0136E-05	3.1940E-04	1.3230E-03	2.2340E-03	2.4960E-03	2.5510E-03
27	0.7700	-5.3421E-07	-3.1456E-06	-3.3049E-06	3.6384E-05	2.5550E-04	1.0076E-03	1.6934E-03	1.9012E-03	1.9552E-03
28	0.7550	-4.5483E-06	-8.4935E-06	-2.7831E-06	7.4201E-05	4.5885E-04	1.7115E-03	2.8598E-03	3.2291E-03	3.3449E-03
29	0.7300	-3.1666E-06	-4.5697E-06	3.7636E-08	3.4856E-05	1.9577E-04	6.9658E-04	1.1579E-03	1.3139E-03	1.3697E-03
30	0.7200	-2.1150E-05	-2.5355E-05	9.1768E-06	1.7426E-04	8.6176E-04	2.8650E-03	4.7242E-03	5.3994E-03	5.6809E-03
31	0.6800	-7.4389E-06	-8.0483E-06	5.0366E-06	5.3182E-05	2.3638E-04	7.3732E-04	1.2056E-03	1.3876E-03	1.4730E-03
32	0.6700	-7.7771E-05	-7.4651E-05	8.2477E-05	5.1499E-04	1.9453E-03	5.4649E-03	8.7975E-03	1.0238E-02	1.1029E-02
33	0.6000	-2.9305E-05	-2.5281E-05	4.4097E-05	2.0151E-04	6.6004E-04	1.6712E-03	2.6411E-03	3.1068E-03	3.3959E-03
34	0.5800	-9.8136E-05	-7.2668E-05	2.2556E-04	8.1429E-04	2.3622E-03	5.4238E-03	8.4023E-03	9.9626E-03	1.1023E-02
35	0.5200	-6.9462E-06	1.3299E-06	7.4651E-05	2.0566E-04	5.2113E-04	1.1137E-03	1.7101E-03	2.0406E-03	2.2778E-03
36	0.5090	-5.1788E-05	-3.7833E-06	3.9428E-04	1.0609E-03	2.5640E-03	5.1674E-03	7.7189E-03	9.2086E-03	1.0326E-02
37	0.4600	7.8678E-05	1.7469E-04	7.8763E-04	1.7219E-03	3.6323E-03	6.6499E-03	9.5930E-03	1.1394E-02	1.2804E-02
38	0.4060	7.4899E-04	9.5659E-04	2.0069E-03	3.4661E-03	6.1946E-03	1.0256E-02	1.4109E-02	1.6410E-02	1.8205E-02
39	0.3400	6.6680E-05	7.9183E-04	1.3422E-04	2.0742E-04	3.3933E-04	5.3455E-04	7.1577E-04	8.1773E-04	8.9415E-04
40	0.3370	1.3003E-03	1.4857E-03	2.2112E-03	3.1518E-03	4.8218E-03	7.3396E-03	9.6392E-03	1.0848E-02	1.1704E-02
41	0.3000	3.6427E-03	3.9466E-03	4.8131E-03	5.8927E-03	7.8034E-03	1.0952E-02	1.3800E-02	1.5844E-02	1.7899E-02
42	0.2560	1.1951E-02	1.2436E-02	1.3004E-02	1.3795E-02	1.5369E-02	1.8552E-02	2.1863E-02	2.3794E-02	2.5197E-02
43	0.2000	5.2366E-02	5.4591E-02	5.8999E-02	6.4712E-02	7.4493E-02	8.7992E-02	9.8173E-02	0.1042	0.1099
44	0.1000	7.0872E-02	7.2759E-02	7.6359E-02	8.0461E-02	8.5846E-02	8.8574E-02	8.2107E-02	7.6497E-02	7.2040E-02
45	5.0000E-02	3.4444E-03	3.4093E-03	3.5397E-03	3.5869E-03	3.6355E-03	3.6733E-03	3.6730E-03	3.5999E-03	3.4742E-03

TABLE CXIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4000143

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.080	0	0	0	0	0	0	0	0	0
2	2.996	0	0	0	0	0	0	0	0	0
3	2.410	0	0	0	0	0	0	0	0	0
4	2.380	0	0	0	0	0	0	0	0	0
5	2.330	0	0	0	0	0	0	0	0	0
6	2.010	0	0	0	0	0	0	0	0	0
7	1.900	0	0	0	0	0	0	0	0	0
8	1.860	0	0	0	0	0	0	0	0	0
9	1.670	0	0	0	0	0	0	0	0	0
10	1.661	0	0	0	0	0	0	0	0	0
11	1.556	0	0	0	0	0	0	0	0	0
12	1.510	0	0	0	0	0	0	0	0	0
13	1.480	4.0975E-05	4.5580E-05	1.6236E-05	-7.9125E-05	2.8410E-05	3.2468E-02	9.5172E-02	0.1146	0.1250
14	1.360	2.0740E-05	2.2769E-05	1.9591E-05	-3.9087E-05	7.6193E-07	1.6148E-04	3.0335E-04	3.1451E-04	2.9329E-04
15	1.357	5.0207E-05	5.3402E-05	-2.9262E-05	-0.9254E-05	4.7052E-05	3.6175E-03	6.7769E-03	7.0503E-03	6.5995E-03
16	1.290	7.0288E-05	7.0105E-05	-1.2487E-05	-1.1112E-04	1.4414E-04	4.4695E-03	8.3168E-03	8.7213E-03	8.2378E-03
17	1.208	3.5112E-05	3.3498E-05	-0.9654E-05	-5.0560E-05	1.0299E-04	2.0931E-03	3.8700E-03	4.0883E-03	3.8941E-03
18	1.170	6.6967E-05	6.1462E-05	-2.1895E-05	-8.7812E-05	2.6017E-04	3.9053E-03	7.1741E-03	7.6356E-03	7.3371E-03
19	1.100	6.7113E-05	5.8471E-05	-2.8100E-05	-7.4719E-05	3.6640E-04	3.9879E-03	7.2968E-03	7.8074E-03	7.5955E-03
20	1.030	2.9580E-05	2.4675E-05	-1.4593E-05	-2.7329E-05	2.0654E-04	1.8574E-03	3.3536E-03	3.6394E-03	3.5795E-03
21	0.9980	2.5604E-05	2.0695E-05	-1.3986E-05	-1.9726E-05	2.1433E-04	1.7055E-03	3.0637E-03	3.3434E-03	3.3110E-03
22	0.9690	7.6460E-06	6.0406E-06	-4.4558E-06	-4.9890E-06	7.1753E-05	5.3397E-04	9.5599E-04	1.0471E-03	1.0415E-03
23	0.9600	3.7609E-05	2.8482E-05	-2.4276E-05	-1.5522E-05	4.2909E-04	2.8904E-03	5.1470E-03	5.6698E-03	5.6793E-03
24	0.9120	1.4340E-06	1.0364E-06	-1.0181E-06	-1.9769E-07	1.9650E-05	1.2207E-04	2.1631E-04	2.3950E-04	2.4140E-04
25	0.9100	5.5456E-05	3.0833E-05	-5.4268E-05	9.0624E-05	1.5068E-03	7.6455E-03	1.3658E-02	1.4997E-02	1.5380E-02
26	0.7900	2.0952E-06	-1.6376E-06	-5.9855E-06	3.9653E-05	3.2120E-04	1.3432E-03	2.3052E-03	2.6301E-03	2.7502E-03
27	0.7700	-1.1726E-07	-2.7893E-06	-3.4173E-06	3.5979E-05	2.5719E-04	1.0239E-03	1.7481E-03	2.0032E-03	2.1057E-03
28	0.7550	-3.6982E-06	-7.7837E-06	-3.0431E-06	7.3459E-05	4.6229E-04	1.7409E-03	2.9559E-03	3.4019E-03	3.5982E-03
29	0.7300	-2.8183E-06	-4.2474E-06	-1.1450E-07	3.4542E-05	1.9739E-04	7.0923E-04	1.1979E-03	1.3840E-03	1.4718E-03
30	0.7200	-1.9291E-05	-2.3857E-05	8.5056E-06	1.7298E-04	8.6991E-04	2.9211E-03	4.8900E-03	5.6862E-03	6.0945E-03
31	0.6800	-6.9099E-06	-7.6431E-06	4.7999E-06	5.2877E-05	2.3889E-04	7.5277E-04	1.2430E-03	1.4608E-03	1.5776E-03
32	0.6700	-7.3526E-05	-7.1443E-05	0.0758E-05	5.1369E-04	1.9703E-03	5.5930E-03	9.1259E-03	1.0772E-02	1.1777E-02
33	0.6000	-2.8027E-05	-2.4336E-05	4.3580E-05	2.0168E-04	6.7006E-04	1.7147E-03	2.7432E-03	3.2650E-03	3.6148E-03
34	0.5800	-9.4661E-05	-7.0143E-05	2.2450E-04	8.1806E-04	2.3940E-03	5.5783E-03	8.7365E-03	1.0462E-02	1.1693E-02
35	0.5200	-6.2832E-06	1.0725E-06	7.4827E-05	2.0736E-04	5.3135E-04	1.1466E-03	1.7769E-03	2.1370E-03	2.4049E-03
36	0.5090	-5.0355E-05	-2.7972E-06	3.9580E-04	1.0726E-03	2.6205E-03	5.3323E-03	8.0322E-03	9.6492E-03	1.0894E-02
37	0.4600	7.9126E-05	1.7466E-04	7.9558E-04	1.7508E-03	3.7261E-03	6.8757E-03	9.9806E-03	1.1912E-02	1.3452E-02
38	0.4060	7.4907E-04	3.6066E-04	2.0410E-03	3.5482E-03	6.3820E-03	1.0614E-02	1.4054E-02	1.7102E-02	1.9042E-02
39	0.3400	6.6989E-05	7.9808E-05	1.3691E-04	2.1299E-04	3.5027E-04	5.5312E-04	7.4234E-04	8.5072E-04	9.3356E-04
40	0.3370	1.3123E-03	1.5030E-03	2.2607E-03	3.2427E-03	4.9827E-03	7.5907E-03	9.9840E-03	1.1271E-02	1.2207E-02
41	0.3000	3.7106E-03	4.0269E-03	4.9410E-03	6.0701E-03	8.0700E-03	1.1310E-02	1.4257E-02	1.5637E-02	1.6456E-02
42	0.2560	1.2312E-02	1.3041E-02	1.3430E-02	1.4241E-02	1.5964E-02	1.9141E-02	2.2591E-02	2.4656E-02	2.6205E-02
43	0.2600	5.1274E-02	5.6051E-02	6.1129E-02	6.7050E-02	7.2202E-02	9.1266E-02	0.1070	0.1096	0.1137
44	0.1000	7.3515E-02	7.5401E-02	7.9231E-02	8.3510E-02	8.9139E-02	9.2140E-02	8.5309E-02	7.9636E-02	7.5075E-02
45	5.0000E-02	3.5760E-03	3.6221E-03	3.6749E-03	3.7256E-03	3.7766E-03	3.8167E-03	3.8172E-03	3.7399E-03	3.5599E-03

TABLE CXIV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4110110

(4 π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0800E+00	-1.2203E-08	-8.5700E-09	6.9916E-09	6.6100E-09	-1.8142E-08	1.1166E-06	3.7516E-05	6.6468E-05	8.7272E-05
2	2.9958E+00	-4.4700E-06	-3.0978E-06	2.5462E-06	2.1918E-06	-6.2068E-06	8.8408E-05	1.8840E-03	3.3556E-03	4.4208E-03
3	2.4100E+00	-4.1176E-07	-2.8158E-07	2.4220E-07	1.8191E-07	-5.7244E-07	5.7920E-06	4.1916E-05	6.6996E-05	8.3792E-05
4	2.3800E+00	-6.7212E-07	-4.5668E-07	4.0196E-07	2.8107E-07	-9.4068E-07	1.0456E-05	9.5360E-05	1.6047E-04	2.0624E-04
5	2.3300E+00	-1.8149E-05	-1.2873E-05	9.3020E-06	9.5496E-06	-2.0126E-05	2.4146E-04	6.9528E-03	1.1319E-02	1.5407E-02
6	2.0100E+00	-9.8764E-06	-6.9472E-06	5.1472E-06	4.8144E-06	-1.0554E-05	1.1191E-04	8.4840E-04	1.4162E-03	1.8190E-03
7	1.9000E+00	-3.4583E-06	-2.4053E-06	1.8546E-06	1.5298E-06	-3.6416E-06	4.8224E-05	5.9204E-04	1.1024E-03	1.4940E-03
8	1.8600E+00	-4.8012E-05	-3.4667E-05	2.2418E-05	2.6579E-05	-4.1524E-05	4.8068E-04	1.2821E-02	2.6089E-02	3.6750E-02
9	1.6700E+00	-3.6780E-06	-2.6698E-06	1.6750E-06	2.0819E-06	-3.0150E-06	3.1688E-05	6.8832E-04	1.4019E-03	1.9799E-03
10	1.6610E+00	-4.1716E-05	-3.0030E-05	1.9492E-05	2.2248E-05	-3.3529E-05	3.9017E-04	3.4966E-03	6.3096E-03	8.4684E-03
11	1.5560E+00	-1.6906E-05	-1.2008E-05	8.1992E-06	8.0968E-06	-1.2806E-05	2.0152E-04	1.6353E-03	2.9600E-03	3.9906E-03
12	1.5100E+00	-1.1026E-05	-7.7968E-06	5.3916E-06	5.0504E-06	-7.8176E-06	1.4631E-04	1.6297E-03	3.2048E-03	4.4888E-03
13	1.4800E+00	-4.8472E-05	-3.4208E-05	2.3478E-05	2.1254E-05	-2.7412E-05	7.1340E-04	6.8048E-03	1.3256E-02	1.8546E-02
14	1.3500E+00	-1.2640E-06	-8.8924E-07	6.0952E-07	5.2620E-07	-5.3960E-07	2.0467E-05	1.2344E-04	2.1393E-04	2.8422E-04
15	1.3570E+00	-2.5330E-05	-1.7595E-05	1.2525E-05	8.1848E-06	-6.9212E-06	4.9600E-04	2.8671E-03	4.9840E-03	6.6456E-03
16	1.2900E+00	-2.8887E-05	-1.9844E-05	1.4211E-05	8.6472E-06	5.8408E-06	7.3252E-04	5.3472E-03	1.0401E-02	1.4670E-02
17	1.2080E+00	-1.2648E-05	-8.6196E-06	6.1276E-06	3.2113E-06	9.8136E-06	3.9183E-04	2.0517E-03	3.6225E-03	4.9028E-03
18	1.1700E+00	-2.9097E-05	-2.0351E-05	1.2742E-05	9.9504E-06	3.0452E-05	8.4628E-04	6.9836E-03	1.4641E-02	2.1436E-02
19	1.1000E+00	-2.9353E-05	-2.0608E-05	1.2037E-05	1.0455E-05	5.7400E-05	1.0314E-03	4.9512E-03	8.7384E-03	1.1899E-02
20	1.0300E+00	-8.9496E-06	-6.0640E-06	3.5691E-06	2.0813E-06	4.0908E-05	5.4316E-04	2.4054E-03	4.2276E-03	5.7708E-03
21	9.9800E-01	-5.3912E-06	-3.4792E-06	2.0138E-06	5.1604E-07	4.7144E-05	5.3640E-04	2.1691E-03	3.6989E-03	4.9836E-03
22	9.6900E-01	-1.1341E-06	-6.8460E-07	3.7208E-07	-6.0524E-08	1.6819E-05	1.7561E-04	7.2712E-04	1.2803E-03	1.7575E-03
23	9.6000E-01	-3.1690E-06	-1.6343E-06	3.6922E-07	-6.6436E-07	1.0962E-04	1.0183E-03	4.1556E-03	7.4128E-03	1.0271E-02
24	9.1200E-01	-2.5442E-08	7.9744E-09	-4.0556E-08	-2.6158E-08	5.3584E-06	4.5504E-05	1.6482E-04	2.7616E-04	3.7095E-04
25	9.1000E-01	2.4225E-05	1.8344E-05	-1.4188E-05	1.9269E-06	4.9448E-04	3.3140E-03	1.0946E-02	1.8226E-02	2.4570E-02
26	7.9800E-01	7.9968E-06	5.6864E-06	-4.1800E-06	3.7634E-06	1.2252E-04	6.7296E-04	2.0570E-03	3.4431E-03	4.6940E-03
27	7.7000E-01	5.6236E-06	3.8710E-06	-3.0935E-06	4.9336E-06	1.0166E-04	5.3276E-04	1.8610E-03	3.5155E-03	5.1132E-03
28	7.5500E-01	9.4872E-06	6.2900E-06	-5.1072E-06	1.2465E-05	1.9082E-04	9.4684E-04	2.6909E-03	4.3304E-03	5.7688E-03
29	7.3000E-01	4.2848E-06	2.8544E-06	-2.1304E-06	6.3208E-06	8.4728E-05	4.0084E-04	1.1002E-03	1.7475E-03	2.3230E-03
30	7.2000E-01	1.9324E-05	1.2746E-05	-8.1212E-06	3.6406E-05	3.9579E-04	1.7454E-03	4.6376E-03	7.3668E-03	9.8300E-03
31	6.8000E-01	5.2336E-06	3.4181E-06	-1.7160E-06	1.2572E-05	1.1465E-04	4.7372E-04	1.1909E-03	1.8372E-03	2.4147E-03
32	6.7000E-01	-6.8144E-07	-4.9564E-06	1.2163E-05	1.7988E-04	1.0247E-03	3.8542E-03	1.1851E-02	2.2701E-02	3.3815E-02
33	6.0000E-01	-7.5972E-06	-6.7976E-06	1.3271E-05	8.4488E-05	3.7973E-04	1.3088E-03	3.3988E-03	5.5888E-03	7.6748E-03
34	5.8000E-01	-9.5076E-06	-6.2724E-06	7.9612E-05	3.7155E-04	1.5040E-03	4.7352E-03	1.1169E-02	1.7549E-02	2.3590E-02
35	5.2000E-01	6.3996E-05	6.5880E-05	9.3324E-05	1.6974E-04	4.3680E-04	1.1315E-03	2.4229E-03	3.6702E-03	4.8516E-03
36	5.0500E-01	1.9386E-05	3.2139E-05	1.8954E-04	5.9796E-04	1.9500E-03	5.2432E-03	1.0777E-02	1.5914E-02	2.0769E-02
37	4.6000E-01	7.3784E-05	1.1162E-04	4.6188E-04	1.1698E-03	3.1646E-03	7.3988E-03	1.3592E-02	1.8947E-02	2.3942E-02
38	4.0600E-01	4.0116E-04	5.3224E-04	1.4952E-03	2.9704E-03	6.2820E-03	1.2277E-02	2.0898E-02	2.9640E-02	3.8654E-02
39	3.4000E-01	3.9263E-05	4.8216E-05	1.1006E-04	1.9580E-04	3.6855E-04	6.5748E-04	1.0539E-03	1.4215E-03	1.7833E-03
40	3.3700E-01	8.8864E-04	1.0254E-03	1.9460E-03	3.1621E-03	5.4752E-03	9.1624E-03	1.4055E-02	1.8456E-02	2.2733E-02
41	2.6000E-01	3.2289E-03	3.4411E-03	4.8156E-03	6.5056E-03	9.4464E-03	1.3887E-02	1.9957E-02	2.5918E-02	3.2084E-02
42	3.5000E-01	1.4580E-02	1.4687E-02	1.5458E-02	1.6625E-02	1.9341E-02	2.4818E-02	3.3071E-02	4.0876E-02	4.8812E-02
43	2.0000E-01	9.6968E-02	9.7632E-02	1.0242E-01	1.0959E-01	1.2540E-01	1.5286E-01	1.8462E-01	2.0898E-01	2.3197E-01
44	1.0000E-01	1.5054E-01	1.5130E-01	1.5658E-01	1.6377E-01	1.7719E-01	1.9394E-01	2.0223E-01	2.0361E-01	2.0434E-01
45	5.0000E-02	7.8904E-03	7.8932E-03	7.9108E-03	7.9316E-03	7.9632E-03	7.9968E-03	8.0216E-03	8.0340E-03	8.0396E-03

TABLE CXV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4110120

(4π photons/cm² sec ster)

	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	-1.3766E-08	-1.0369E-08	5.3096E-09	9.4256E-09	-9.5636E-09	1.6744E-07	1.6281E-05	3.6551E-05	5.3796E-05
2	2.9960E+00	-5.1552E-08	-3.0684E-06	2.0091E-06	3.4347E-06	-3.4635E-06	1.9772E-05	8.2508E-04	1.0538E-03	2.7442E-03
3	2.4100E+00	-4.9412E-07	-3.6912E-07	1.9579E-07	3.1989E-07	-3.3205E-07	1.6888E-06	2.2165E-05	4.3348E-05	6.0916E-05
4	2.3800E+00	-8.2588E-07	-8.1572E-07	3.2999E-07	5.2684E-07	-5.5816E-07	3.0730E-06	4.6382E-05	9.6880E-05	1.3956E-04
5	2.3300E+00	-1.8748E-05	-1.4148E-05	7.0008E-06	1.2598E-05	-1.0065E-05	5.5588E-05	2.3823E-03	5.8188E-03	8.9988E-03
6	2.0100E+00	-1.0488E-05	-7.8836E-06	3.9737E-06	6.8832E-06	-6.0040E-06	3.1534E-05	4.2272E-04	8.6876E-04	1.2590E-03
7	1.9000E+00	-3.8441E-06	-2.8770E-06	1.4847E-06	2.4634E-06	-2.2129E-06	1.4170E-05	2.5235E-04	5.8700E-04	9.0080E-04
8	1.8600E+00	-4.4536E-05	-3.3748E-05	1.6066E-05	3.0128E-05	-2.2053E-05	1.1584E-04	4.6360E-03	1.2430E-02	2.0113E-02
9	1.6700E+00	-3.2930E-08	-2.5000E-06	1.1727E-06	2.2408E-06	-1.5649E-06	7.6032E-06	2.5400E-04	6.6948E-04	1.0859E-03
10	1.6610E+00	-3.8821E-05	-2.9349E-05	1.4130E-05	2.5904E-05	-1.8684E-05	1.0551E-04	1.5870E-03	3.5026E-03	5.3324E-03
11	1.5560E+00	-1.6703E-05	-1.2548E-05	6.2660E-06	1.0901E-05	-8.0660E-06	6.0216E-05	7.3324E-04	1.6298E-03	2.4875E-03
12	1.5100E+00	-1.1081E-05	-8.3048E-06	4.1972E-06	7.0740E-06	-5.2488E-06	4.4956E-05	6.5226E-04	1.5958E-03	2.5453E-03
13	1.4900E+00	-4.8720E-08	-3.6424E-05	1.8586E-05	3.0598E-05	-2.1148E-05	2.3018E-04	2.7793E-03	6.6532E-03	1.0584E-02
14	1.3600E+00	-1.2801E-08	-9.5448E-07	4.9204E-07	7.9024E-07	-5.0624E-07	8.8728E-06	5.8408E-05	1.2241E-04	1.8950E-04
15	1.3570E+00	-2.7011E-05	-2.0033E-05	1.0602E-05	1.6183E-05	-9.8336E-06	1.7311E-04	1.3549E-03	2.8294E-03	4.2476E-03
16	1.2900E+00	-3.1992E-05	-2.3578E-05	1.2785E-05	1.8350E-05	-7.8656E-06	2.6883E-04	2.2243E-03	5.1736E-03	8.2384E-03
17	1.2080E+00	-1.4346E-05	-1.0510E-05	5.8072E-06	7.9396E-06	-1.3887E-06	1.4904E-04	9.5548E-04	1.9882E-03	3.0136E-03
18	1.1700E+00	-2.9344E-05	-2.1591E-05	1.1509E-05	1.6578E-05	-2.2769E-06	3.2658E-04	2.6518E-03	6.6488E-03	1.1061E-02
19	1.1000E+00	-2.8834E-05	-2.1139E-05	1.1266E-05	1.6050E-05	-1.2812E-05	4.0920E-04	2.2904E-03	4.7060E-03	7.1556E-03
20	1.0300E+00	-1.0233E-05	-7.3640E-06	4.1852E-06	5.2136E-06	-1.1419E-05	2.2332E-04	1.1176E-03	2.2571E-03	3.4232E-03
21	9.9800E-01	-7.3592E-08	-5.1956E-06	3.1347E-06	3.4489E-06	-1.4388E-05	2.2626E-04	1.0363E-03	2.0222E-03	3.0177E-03
22	9.6900E-01	-1.6900E-06	-1.3104E-06	8.3120E-07	8.1852E-07	-5.3604E-06	7.4672E-05	3.3954E-04	6.7452E-04	1.0229E-03
23	9.6000E-01	-7.4576E-06	-5.0086E-06	3.3993E-06	2.9642E-06	-3.7839E-06	4.4020E-04	1.9142E-03	3.8265E-03	5.8412E-03
24	9.1200E-01	-2.1148E-07	-1.3416E-07	1.0204E-07	7.5356E-08	-1.8828E-06	1.9929E-05	7.9816E-05	1.5056E-04	2.2235E-04
25	9.1000E-01	9.3352E-06	8.3816E-06	-2.2464E-06	-3.7750E-06	1.8990E-04	1.5085E-03	5.3308E-03	9.7848E-03	1.4365E-02
26	7.9000E-01	5.5220E-06	4.2912E-06	-1.8927E-06	-1.1560E-06	5.0012E-05	3.1656E-04	9.8864E-04	1.7949E-03	2.6344E-03
27	7.7000E-01	4.4788E-08	3.4196E-06	-1.6033E-06	-4.0204E-07	4.2192E-05	2.5231E-04	8.2688E-04	1.6281E-03	2.5553E-03
28	7.5500E-01	8.4048E-06	8.3360E-06	-3.0488E-06	3.6990E-07	8.0572E-05	4.5180E-04	1.3338E-03	2.3069E-03	3.3111E-03
29	7.3000E-01	3.9150E-08	2.9274E-06	-1.3967E-06	4.5420E-07	3.6236E-05	1.9271E-04	6.4838E-04	9.3480E-04	1.3304E-03
30	7.2000E-01	1.0548E-05	1.3723E-05	-6.3204E-06	5.0916E-06	1.7248E-04	8.4824E-04	2.3138E-03	3.8924E-03	5.5288E-03
31	6.8000E-01	5.2636E-06	3.8603E-06	-1.6783E-06	2.4236E-06	5.0792E-05	2.3244E-04	8.0292E-04	9.8452E-04	1.3730E-03
32	6.7000E-01	2.5378E-05	1.7476E-05	-5.1736E-06	5.4800E-05	4.6936E-04	1.9004E-03	5.1772E-03	8.8552E-03	1.5589E-02
33	6.0000E-01	4.5312E-08	2.8414E-06	1.8252E-06	2.9856E-05	1.7838E-04	6.4560E-04	1.6211E-03	2.7040E-03	3.9209E-03
34	5.8000E-01	1.6847E-05	1.2194E-05	2.2030E-05	1.4656E-04	7.1800E-04	2.3401E-03	5.3360E-03	8.5668E-03	1.2058E-02
35	5.2000E-01	3.5566E-05	3.5381E-05	4.3284E-05	7.7920E-05	2.1265E-04	5.6004E-04	1.1623E-03	1.7845E-03	2.4489E-03
36	5.0900E-01	1.7664E-05	1.9188E-05	7.4848E-05	2.6620E-04	9.5076E-04	2.5996E-03	5.2108E-03	7.7680E-03	1.0459E-02
37	4.6000E-01	2.6518E-05	4.2420E-05	2.0353E-04	5.5296E-04	1.5641E-03	3.6749E-03	8.6226E-03	9.2648E-03	1.1951E-02
38	4.0500E-01	1.4407E-04	2.1156E-04	7.0772E-04	1.4656E-03	3.1439E-03	6.0660E-03	9.8588E-03	1.3486E-02	1.7558E-02
39	3.4000E-01	1.5499E-05	2.0314E-05	5.3252E-05	9.7976E-05	1.8504E-04	3.2229E-04	4.9408E-04	6.5172E-04	8.2168E-04
40	3.3700E-01	3.7970E-04	4.5524E-04	9.5532E-04	1.5943E-03	2.7464E-03	4.4516E-03	6.5480E-03	8.4512E-03	1.0483E-02
41	3.0000E-01	1.5461E-03	1.6634E-03	2.4036E-03	3.2848E-03	4.6936E-03	6.6200E-03	9.0836E-03	1.1495E-02	1.4240E-02
42	2.5600E-01	7.4524E-03	7.4908E-03	7.7732E-03	8.2188E-03	9.3044E-03	1.1553E-02	1.4913E-02	1.8144E-02	2.1707E-02
43	2.0000E-01	4.5792E-02	4.6032E-02	4.8248E-02	5.1480E-02	5.8596E-02	7.0924E-02	8.5136E-02	9.6220E-02	1.0716E-01
44	1.0000E-01	7.0124E-02	7.0472E-02	7.2868E-02	7.6128E-02	8.2180E-02	8.9648E-02	9.3280E-02	9.3672E-02	9.3844E-02
45	5.0000E-02	3.6505E-03	3.6518E-03	3.6602E-03	3.6693E-03	3.6846E-03	3.7000E-03	3.7111E-03	3.7165E-03	3.7189E-03

TABLE CXVI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4110130

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0800E+00	-1.0438E-08	-8.0644E-09	3.3395E-09	7.6252E-09	-4.2316E-09	8.2004E-09	6.0664E-06	1.7741E-05	2.9876E-05
2	2.9950E+00	-3.9316E-06	-3.0253E-06	1.2900E-06	2.8296E-06	-1.6369E-06	4.2460E-06	3.1408E-04	9.0592E-04	1.5329E-03
3	2.4100E+00	-3.0213E-07	-2.9312E-07	1.2742E-07	2.7042E-07	-1.6203E-07	2.9604E-07	1.0172E-05	2.4548E-05	3.8980E-05
4	2.3800E+00	-6.4536E-07	-4.9436E-07	2.1694E-07	4.5420E-07	-2.7750E-07	6.0896E-07	2.0326E-05	5.1768E-05	8.4452E-05
5	2.3300E+00	-1.3174E-05	-1.0150E-05	4.2572E-06	9.4716E-06	-5.0072E-06	1.1221E-05	8.3804E-04	2.6237E-03	4.6788E-03
6	2.0100E+00	-7.4156E-08	-5.6952E-06	2.4413E-06	5.2592E-06	-2.8784E-06	6.3160E-06	1.8238E-04	4.6108E-04	7.5880E-04
7	1.9000E+00	-2.7756E-08	-2.1249E-08	9.3224E-07	1.9446E-06	-1.1128E-06	3.1170E-06	9.6692E-05	2.7582E-04	4.8280E-04
8	1.8600E+00	-2.0690E-05	-2.2110E-05	9.2164E-06	2.0594E-05	-1.0058E-05	2.3727E-05	1.5364E-03	5.1656E-03	9.6932E-03
9	1.6700E+00	-2.0583E-06	-1.5878E-06	6.5604E-07	1.4806E-06	-6.9816E-07	1.3046E-06	8.4700E-05	2.7806E-04	5.2368E-04
10	1.6610E+00	-2.4765E-05	-1.9040E-05	8.0748E-08	1.7624E-05	-8.7656E-06	1.8460E-05	8.1768E-04	1.6795E-03	2.9104E-03
11	1.5550E+00	-1.0974E-05	-8.3964E-06	3.6914E-06	7.6796E-06	-4.0796E-06	1.3452E-05	2.9179E-04	7.7816E-04	1.3469E-03
12	1.5100E+00	-7.3276E-06	-5.5956E-06	2.4952E-06	5.0904E-06	-2.7489E-06	1.1150E-05	2.4026E-04	6.9348E-04	1.2702E-03
13	1.4800E+00	-3.2026E-05	-2.4381E-05	1.1092E-05	2.1994E-05	-1.1828E-05	8.2316E-05	1.0473E-03	2.9450E-03	5.3032E-03
14	1.3600E+00	-8.4028E-07	-6.3788E-07	2.9549E-07	5.7044E-07	-3.0409E-07	1.9470E-06	2.4231E-05	5.9888E-05	1.0114E-04
15	1.3570E+00	-1.0104E-05	-1.3680E-05	8.5100E-06	1.2103E-05	-6.5300E-06	6.1932E-05	5.6476E-04	1.3788E-03	2.3250E-03
16	1.2900E+00	-2.1622E-05	-1.6242E-05	8.0252E-06	1.4063E-05	-7.0860E-06	8.8152E-05	8.6920E-04	2.2822E-03	4.0552E-03
17	1.2080E+00	-9.7044E-06	-7.2460E-06	3.7020E-06	6.1596E-06	-2.6711E-06	6.1008E-05	3.9961E-04	9.4464E-04	1.5931E-03
18	1.1700E+00	-1.0695E-05	-1.3943E-05	7.1220E-06	1.1794E-05	-3.5042E-06	1.1634E-04	9.9160E-04	2.7128E-03	5.0332E-03
19	1.1000E+00	-1.7782E-05	-1.3166E-05	6.9536E-06	1.0920E-05	-2.0043E-07	1.5098E-04	9.5532E-04	2.1858E-03	3.6710E-03
20	1.0300E+00	-6.5604E-06	-4.7748E-06	2.7445E-06	3.7819E-06	1.9825E-06	8.5188E-05	4.6972E-04	1.0427E-03	1.7363E-03
21	9.9800E-01	-4.0892E-06	-3.4974E-06	2.1738E-06	2.6515E-06	3.2776E-06	8.7588E-05	4.4360E-04	9.5076E-04	1.5536E-03
22	9.6900E-01	-1.2961E-08	-9.1264E-07	6.0552E-07	6.6392E-07	1.3518E-06	2.9381E-05	1.4398E-04	3.1038E-04	5.1264E-04
23	9.6000E-01	-5.2300E-06	-3.5652E-06	2.6692E-06	2.4110E-06	1.0475E-05	1.7612E-04	8.1384E-04	1.7386E-03	2.8757E-03
24	9.1200E-01	-1.5392E-07	-9.9236E-08	8.9404E-08	5.9360E-08	5.6952E-07	8.0700E-06	3.4651E-05	7.0680E-05	1.1327E-04
25	9.1000E-01	4.1916E-06	4.2916E-06	6.2556E-07	-3.0745E-06	6.5456E-05	6.3164E-04	2.3423E-03	4.5612E-03	7.1844E-03
26	7.9000E-01	3.2438E-08	2.6223E-06	-8.0716E-07	-1.6710E-06	1.8578E-05	1.3622E-04	4.4292E-04	8.2488E-04	1.2798E-03
27	7.7000E-01	2.0169E-06	2.2414E-06	-7.6908E-07	-1.2756E-06	1.5953E-05	1.0942E-04	3.5723E-04	8.8700E-04	1.1395E-03
28	7.5500E-01	5.5364E-06	4.3412E-06	-1.6101E-06	-2.1134E-06	3.1043E-05	1.9725E-04	5.9568E-04	1.0683E-03	1.6174E-03
29	7.3000E-01	2.5755E-06	1.9990E-06	-7.7452E-07	-8.5000E-07	1.4159E-05	8.4612E-05	2.4644E-04	4.3396E-04	6.4988E-04
30	7.2000E-01	1.2293E-05	9.4224E-06	-3.7795E-06	-2.8583E-06	6.8744E-05	3.7547E-04	1.0410E-03	1.7962E-03	2.6665E-03
31	6.8000E-01	3.5163E-06	2.6674E-06	-1.0941E-06	-4.3188E-07	2.0506E-05	1.0362E-04	2.7298E-04	4.5740E-04	6.6526E-04
32	6.7000E-01	2.3410E-05	1.7299E-05	-6.6952E-06	9.4420E-06	1.9614E-04	8.5812E-04	2.2537E-03	4.0496E-03	6.4600E-03
33	6.0000E-01	6.1684E-06	4.4404E-06	-1.1135E-06	8.1880E-06	7.6388E-05	2.9311E-04	7.0112E-04	1.1612E-03	1.7166E-03
34	5.8000E-01	1.8350E-05	1.3335E-05	2.6478E-06	4.9772E-05	3.1309E-04	1.0606E-03	2.3402E-03	3.6885E-03	5.2640E-03
35	5.2000E-01	1.7833E-05	1.7245E-05	1.8249E-05	3.2457E-05	9.4460E-05	2.5328E-04	5.0988E-04	7.6688E-04	1.0601E-03
36	5.0900E-01	1.1612E-05	1.0373E-05	2.5986E-05	1.0779E-04	4.2300E-04	1.1726E-03	2.2827E-03	3.3353E-03	4.5052E-03
37	4.6000E-01	8.9136E-06	1.3137E-05	8.1864E-05	2.3955E-04	7.0276E-04	1.6475E-03	2.8914E-03	3.9694E-03	5.1080E-03
38	4.0600E-01	4.0468E-05	7.2508E-05	3.0631E-04	6.5844E-04	1.4200E-03	2.6908E-03	4.2376E-03	5.5868E-03	7.0956E-03
39	3.4000E-01	5.3224E-06	7.6628E-06	2.3476E-05	4.4412E-05	8.3576E-05	1.4182E-04	2.0974E-04	2.6819E-04	3.229E-04
40	3.3700E-01	1.4668E-04	1.8377E-04	4.2576E-04	7.2524E-04	1.2374E-03	1.9422E-03	2.7557E-03	3.4653E-03	4.2400E-03
41	3.0000E-01	6.7476E-04	7.3156E-04	1.0868E-03	1.4889E-03	2.0912E-03	2.8384E-03	3.7601E-03	4.6472E-03	5.6840E-03
42	2.5600E-01	3.4185E-03	3.4288E-03	3.5046E-03	3.6429E-03	4.0220E-03	4.6616E-03	6.1232E-03	7.3076E-03	8.6300E-03
43	2.0000E-01	1.9354E-02	1.9474E-02	2.0344E-02	2.1646E-02	2.4500E-02	2.9397E-02	3.4957E-02	3.9248E-02	4.3508E-02
44	1.0000E-01	2.9118E-02	2.9260E-02	3.0230E-02	3.1543E-02	3.3962E-02	3.6905E-02	3.8241E-02	3.8354E-02	3.8356E-02
45	5.0000E-02	1.5046E-03	1.5051E-03	1.5086E-03	1.5120E-03	1.5186E-03	1.5248E-03	1.5292E-03	1.5312E-03	1.5321E-03

TABLE CXVII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4110140

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	-7.4964E-09	-8.8404E-09	2.2200E-09	5.5760E-09	-2.2846E-09	8.5300E-08	3.0186E-06	1.0284E-05	1.9037E-05
2	2.9960E+00	-2.8233E-08	-2.1902E-08	8.6760E-07	2.0756E-06	-9.2884E-07	1.8084E-06	1.6071E-04	6.2856E-04	9.7932E-04
3	2.4100E+00	-2.7582E-07	-2.1336E-07	8.6180E-08	1.9997E-07	-9.3620E-08	2.3502E-08	5.6872E-06	1.5580E-05	2.6878E-05
4	2.3800E+00	-4.6812E-07	-3.6169E-07	1.4748E-07	3.3802E-07	-1.6200E-07	1.1220E-07	1.1134E-05	3.1892E-05	5.6484E-05
5	2.3300E+00	-8.9784E-08	-6.9632E-08	2.7525E-06	6.5728E-06	-2.8102E-06	4.7160E-06	4.1840E-04	1.4557E-03	2.8408E-03
6	2.0100E+00	-5.0496E-06	-3.9044E-06	1.5801E-06	3.6558E-06	-1.6436E-06	6.8140E-07	9.8672E-05	2.7931E-04	4.9884E-04
7	1.9000E+00	-1.9082E-06	-1.4712E-06	6.8936E-07	1.3689E-06	-6.4952E-07	9.7852E-07	5.0700E-05	1.5733E-04	2.9820E-04
8	1.8600E+00	-1.8486E-06	-1.4317E-06	5.7120E-06	1.3468E-05	-5.6220E-06	1.0930E-05	7.6536E-04	2.7386E-03	5.5968E-03
9	1.6700E+00	-1.2997E-08	-1.0071E-08	3.9954E-07	9.4748E-07	-3.8522E-07	4.8892E-07	4.2648E-05	1.4830E-04	3.0174E-04
10	1.6610E+00	-1.5781E-05	-1.2192E-05	4.9616E-06	1.1410E-05	-4.8280E-06	4.7088E-06	3.2330E-04	9.5692E-04	1.7912E-03
11	1.5560E+00	-7.0840E-06	-5.4496E-06	2.2969E-06	5.0560E-06	-2.3554E-06	4.7360E-06	1.6417E-04	4.4332E-04	8.2668E-04
12	1.5100E+00	-4.7412E-08	-3.6400E-08	1.5574E-06	3.3635E-06	-1.6066E-06	4.5352E-06	1.2606E-04	3.8394E-04	7.4700E-04
13	1.4800E+00	-2.0614E-05	-1.5774E-05	6.9168E-06	1.4473E-05	-7.0648E-06	2.7129E-06	5.5448E-04	1.6243E-03	3.1221E-03
14	1.3600E+00	-5.3944E-07	-4.1156E-07	1.8435E-07	3.7489E-07	-1.8544E-07	8.5876E-07	1.2984E-05	3.4390E-05	6.2172E-05
15	1.3570E+00	-1.1715E-05	-8.9056E-06	4.8936E-06	8.0444E-06	-4.0828E-06	2.3731E-06	3.0418E-04	7.9148E-04	1.4251E-03
16	1.2900E+00	-1.4000E-05	-1.0572E-05	5.8752E-08	9.3876E-06	-4.7124E-06	4.3112E-06	4.7068E-04	1.2634E-03	2.3730E-03
17	1.2080E+00	-6.2640E-06	-4.7008E-06	2.3473E-06	4.1092E-06	-1.9321E-06	2.6426E-06	2.1760E-04	5.3708E-04	9.5788E-04
18	1.1700E+00	-1.1724E-05	-8.7692E-06	4.4492E-06	7.5924E-06	-2.9083E-06	6.0600E-06	5.4332E-04	1.4596E-03	2.8173E-03
19	1.1000E+00	-1.0891E-08	-8.0708E-08	4.3040E-06	6.8288E-06	-1.2705E-06	7.9392E-06	6.2068E-04	1.2263E-03	2.1609E-03
20	1.0300E+00	-4.0356E-08	-2.9381E-08	1.7191E-06	2.3826E-06	4.5468E-06	4.5300E-05	2.5656E-04	5.8304E-04	1.0146E-03
21	9.9800E-01	-3.8158E-08	-2.1566E-08	1.3757E-06	1.6774E-06	1.1878E-06	4.6884E-05	2.4300E-04	6.3608E-04	9.1468E-04
22	9.6900E-01	-8.0116E-07	-5.6368E-07	3.8661E-07	4.2112E-07	5.4380E-07	1.5802E-05	7.9488E-05	1.7420E-04	2.9876E-04
23	9.6000E-01	-3.1904E-06	-2.1625E-06	1.7199E-06	1.4838E-06	4.6296E-06	9.5388E-05	4.5092E-04	9.7276E-04	1.6631E-03
24	9.1200E-01	-9.1776E-08	-5.8100E-08	5.8304E-08	3.3850E-08	2.6381E-07	4.3888E-06	1.9166E-05	3.9849E-05	6.6264E-05
25	9.1000E-01	2.9843E-06	2.9637E-06	8.6968E-07	-2.9869E-06	3.2790E-05	3.4757E-04	1.3044E-03	2.5700E-03	4.1684E-03
26	7.9800E-01	2.0934E-08	1.7074E-08	-4.6588E-07	-1.2501E-06	9.6644E-06	7.5650E-05	2.4656E-04	4.6420E-04	7.3432E-04
27	7.7000E-01	1.8473E-06	1.4832E-06	-4.6052E-07	-1.0872E-06	8.3644E-06	8.1024E-05	2.0271E-04	3.8740E-04	6.3448E-04
28	7.5500E-01	3.6579E-08	2.8948E-08	-9.8984E-07	-1.7748E-06	1.6415E-05	1.1022E-04	3.3366E-04	8.0020E-04	9.2584E-04
29	7.3000E-01	1.6922E-08	1.3254E-08	-4.6112E-07	-7.4148E-07	7.5364E-06	4.7360E-05	1.3826E-04	2.4400E-04	3.7182E-04
30	7.2000E-01	8.0464E-08	6.2220E-08	-2.3678E-06	-2.8429E-06	3.6915E-05	2.1072E-04	5.0524E-04	1.0090E-03	1.5180E-03
31	6.8000E-01	2.2962E-06	1.7567E-06	-6.9652E-07	-5.9588E-07	1.1134E-05	6.8268E-05	1.5349E-04	2.5710E-04	3.7874E-04
32	6.7000E-01	1.6444E-05	1.2317E-05	-4.6396E-06	1.6295E-06	1.0734E-04	4.8648E-04	1.2908E-03	2.2388E-03	3.4940E-03
33	6.0000E-01	4.6028E-08	3.3731E-08	-1.6788E-06	3.3109E-06	4.2236E-05	1.6672E-04	3.9379E-04	6.3592E-04	9.3116E-04
34	5.8000E-01	1.3344E-05	9.7404E-06	-2.5852E-07	2.4069E-05	1.7460E-04	6.0218E-04	1.3051E-03	2.0154E-03	2.8449E-03
35	5.2000E-01	1.0605E-05	1.0141E-05	1.0049E-05	1.7731E-05	5.3144E-05	1.4354E-04	2.8471E-04	4.1884E-04	5.7156E-04
36	8.0900E-01	7.5452E-06	6.3668E-06	1.2887E-05	5.8068E-05	2.3792E-04	8.6236E-04	1.2691E-03	1.8153E-03	2.4182E-03
37	4.6000E-01	2.4382E-06	5.7976E-06	4.4064E-05	1.3342E-04	3.9639E-04	9.2500E-04	1.5372E-03	2.1527E-03	2.7312E-03
38	4.0600E-01	1.6305E-05	3.4999E-05	1.7043E-04	3.7191E-04	8.0044E-04	1.4990E-03	2.3337E-03	3.0278E-03	3.7695E-03
39	3.4000E-01	2.5899E-06	3.9604E-06	1.3150E-05	2.5134E-05	4.7044E-05	7.8660E-05	1.1463E-04	1.4422E-04	1.7568E-04
40	3.3700E-01	7.7092E-05	9.8788E-05	2.3926E-04	4.1036E-04	6.9512E-04	1.0730E-03	1.4951E-03	1.8590E-03	2.2477E-03
41	3.0000E-01	3.7640E-04	4.0516E-04	6.1252E-04	8.3832E-04	1.1671E-03	1.5564E-03	2.0366E-03	2.4961E-03	3.0243E-03
42	2.5600E-01	1.9372E-03	1.9401E-03	1.9680E-03	2.0282E-03	2.2139E-03	2.6499E-03	3.3113E-03	3.9169E-03	4.5740E-03
43	2.0000E-01	1.0531E-02	1.0595E-02	1.1059E-02	1.1752E-02	1.3266E-02	1.5842E-02	1.8730E-02	2.0921E-02	2.3067E-02
44	1.0000E-01	1.5691E-02	1.5766E-02	1.6282E-02	1.6978E-02	1.8256E-02	1.9795E-02	2.0472E-02	2.0510E-02	2.0490E-02
45	5.0000E-02	8.0752E-04	8.0784E-04	8.0968E-04	8.1184E-04	8.1508E-04	8.1836E-04	8.2080E-04	8.2160E-04	8.2200E-04

TABLE CXVIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4160110

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0800E+00	-7.5770E-07	-5.3563E-07	4.3697E-07	4.1318E-07	-1.1339E-06	6.8785E-05	2.3447E-03	4.1543E-03	5.4545E-03
2	2.9960E+00	-2.7938E-04	-1.9361E-04	1.5913E-04	1.3690E-04	-3.8782E-04	5.5255E-03	1.1775E-01	2.0972E-01	2.7630E-01
3	2.4100E+00	-2.5735E-05	-1.7599E-05	1.5143E-05	1.1369E-05	-3.5777E-05	3.6200E-04	2.6197E-03	4.1872E-03	5.2370E-03
4	2.3800E+00	-4.2088E-05	-2.8537E-05	2.5122E-05	1.7567E-05	-5.8793E-05	6.5360E-04	5.9600E-03	1.0029E-02	1.2690E-02
5	2.3300E+00	-1.1343E-03	-8.0455E-04	5.8138E-04	5.9685E-04	-1.2578E-03	1.5091E-02	3.7205E-01	7.0742E-01	9.6292E-01
6	2.0100E+00	-6.1728E-04	-4.3420E-04	3.2170E-04	3.0090E-04	-6.5963E-04	8.9943E-03	5.3025E-02	8.8510E-02	1.1369E-02
7	1.9000E+00	-2.1615E-04	-1.5033E-04	1.1591E-04	9.5612E-05	-2.2760E-04	3.0140E-03	3.7003E-02	6.8897E-02	9.3375E-02
8	1.8600E+00	-3.0088E-03	-2.1667E-03	1.4011E-03	1.6812E-03	-2.5952E-03	3.0042E-02	8.0130E-01	1.6306E+00	2.2969E+00
9	1.6700E+00	-2.2988E-04	-1.6687E-04	1.0469E-04	1.3012E-04	-1.8944E-04	1.9805E-03	4.3020E-02	8.7620E-02	1.2375E-01
10	1.6610E+00	-2.6072E-03	-1.8769E-03	1.2183E-03	1.3905E-03	-2.0956E-03	2.4386E-02	2.1855E-01	3.9435E-01	5.2927E-01
11	1.5560E+00	-1.0566E-03	-7.5050E-04	5.1245E-04	5.0605E-04	-8.0038E-04	1.2595E-02	1.0220E-01	1.8500E-01	2.4941E-01
12	1.5100E+00	-6.8912E-04	-4.8730E-04	3.3698E-04	3.1665E-04	-4.8860E-04	8.1445E-03	1.0185E-01	2.0030E-01	2.8055E-01
13	1.4800E+00	-3.0295E-03	-2.1380E-03	1.4674E-03	1.3284E-03	-1.7133E-03	4.4587E-02	4.2530E-01	8.2847E-01	1.1592E+00
14	1.3600E+00	-7.9003E-05	-5.5578E-05	3.8095E-05	3.2688E-05	-3.3725E-05	1.2792E-03	7.7148E-03	1.3370E-02	1.7764E-02
15	1.3570E+00	-1.5831E-03	-1.8997E-03	7.8280E-04	5.7405E-04	-4.3258E-04	3.1000E-02	1.7919E-01	3.1150E-01	4.1535E-01
16	1.2900E+00	-1.8054E-03	-1.2403E-03	8.8818E-04	5.4045E-04	3.6505E-04	4.5783E-02	3.3420E-01	6.5005E-01	1.6877E-01
17	1.2880E+00	-7.9052E-04	-5.3872E-04	3.8297E-04	2.0071E-04	6.1335E-04	2.4490E-02	1.2823E-01	2.2641E-01	3.0643E-01
18	1.1700E+00	-1.8185E-03	-1.2720E-03	7.9638E-04	6.2190E-04	1.9032E-03	6.2893E-02	4.3648E-01	9.1505E-01	1.3398E+00
19	1.1000E+00	-1.8346E-03	-1.2880E-03	7.5232E-04	6.5342E-04	3.5875E-03	8.4462E-02	3.0945E-01	5.4615E-01	7.4370E-01
20	1.0300E+00	-5.5935E-04	-3.7900E-04	2.2307E-04	1.3008E-04	2.5567E-03	3.3947E-02	1.6034E-01	2.6423E-01	3.6068E-01
21	9.9800E-01	-3.3695E-04	-2.1745E-04	1.2586E-04	3.2253E-05	2.9465E-03	3.3525E-02	1.3557E-01	2.3118E-01	3.1148E-01
22	9.6900E-01	-7.0882E-05	-4.2788E-05	2.3255E-05	-3.7828E-06	1.0512E-03	1.0975E-02	4.5445E-02	8.0020E-02	1.0984E-01
23	9.6000E-01	-1.9806E-04	-1.0215E-04	2.3876E-05	-4.1523E-05	6.8513E-03	6.3643E-02	2.5973E-01	4.6330E-01	6.4193E-01
24	9.1200E-01	-1.5901E-06	4.9840E-07	-2.5347E-06	-1.6349E-06	3.3490E-04	2.8440E-03	1.0301E-02	1.7260E-02	2.3184E-02
25	9.1000E-01	1.5141E-03	1.1465E-03	-8.8740E-04	1.2043E-04	3.0905E-02	2.0712E-01	6.8415E-01	1.1391E+00	1.5356E+00
26	7.9000E-01	4.9980E-04	3.5540E-04	-2.6125E-04	2.3459E-04	7.6573E-03	4.2060E-02	1.2856E-01	2.1519E-01	2.9338E-01
27	7.7000E-01	3.5148E-04	2.4194E-04	-1.9334E-04	3.0835E-04	8.3538E-03	3.3287E-02	1.1631E-01	2.1972E-01	3.1958E-01
28	7.5500E-01	5.8795E-04	3.9312E-04	-3.1920E-04	7.7905E-04	1.1927E-02	6.8178E-02	1.6818E-01	2.7065E-01	3.6180E-01
29	7.3000E-01	2.6780E-04	1.7840E-04	-1.3315E-04	3.9505E-04	5.2955E-03	2.6053E-02	8.8762E-02	1.0922E-01	1.4519E-01
30	7.2000E-01	1.2078E-03	7.9660E-04	-5.0757E-04	2.2753E-03	2.4737E-02	1.0909E-01	2.8985E-01	4.6042E-01	8.1438E-01
31	6.8000E-01	3.2710E-04	2.1363E-04	-1.0725E-04	7.8575E-04	7.1657E-03	2.9608E-02	7.4430E-02	1.1483E-01	1.5092E-01
32	6.7000E-01	-4.2590E-05	-3.0978E-04	7.6020E-04	1.1242E-02	6.4043E-02	2.4089E-01	7.4070E-01	1.4188E+00	2.1135E+00
33	6.0000E-01	-4.7483E-04	-4.2485E-04	8.2942E-04	5.2805E-03	2.3733E-02	8.1800E-02	2.1242E-01	3.4930E-01	4.7968E-01
34	5.8000E-01	-5.9423E-04	-3.9203E-04	4.9758E-03	2.3222E-02	9.4000E-02	2.9595E-01	8.9808E-01	1.0968E+00	1.4743E+00
35	5.2000E-01	3.9998E-03	4.1175E-03	5.8328E-03	1.0609E-02	2.7300E-02	7.0718E-02	1.5143E-01	2.2939E-01	3.0323E-01
36	5.0900E-01	1.2492E-03	2.0087E-03	1.1046E-02	3.7372E-02	1.2187E-01	3.2770E-01	8.7355E-01	9.9463E-01	1.2980E+00
37	4.6000E-01	4.6115E-03	8.9765E-03	2.8887E-02	7.3110E-02	1.9779E-01	4.6242E-01	8.4952E-01	1.1842E+00	1.4964E+00
38	4.0600E-01	2.5873E-02	3.3265E-02	9.3453E-02	1.8565E-01	3.9263E-01	7.6732E-01	1.3061E+00	1.8525E+00	2.4159E+00
39	3.4000E-01	2.4540E-03	3.0135E-03	6.9802E-03	1.2238E-02	2.3034E-02	4.1093E-02	6.5867E-02	8.8845E-02	1.1146E-01
40	3.3700E-01	5.5540E-02	6.4090E-02	1.2163E-01	1.9763E-01	3.4220E-01	5.7265E-01	8.7847E-01	1.1535E+00	1.4208E+00
41	3.0000E-01	2.0181E-01	2.1507E-01	3.0098E-01	4.0660E-01	5.5040E-01	8.6792E-01	1.2473E+00	1.6199E+00	2.0052E+00
42	2.5600E-01	9.1123E-01	9.1792E-01	9.6613E-01	1.0391E+00	1.5511E+00	2.0669E+00	2.5548E+00	3.0507E+00	3.8507E+00
43	2.0000E-01	6.0605E+00	6.1020E+00	6.4010E+00	6.8493E+00	7.8372E+00	9.5540E+00	1.1539E+01	1.3862E+01	1.4498E+01
44	1.0000E-01	9.4087E+00	9.4565E+00	9.7863E+00	1.0236E+01	1.1075E+01	1.2121E+01	1.2639E+01	1.2725E+01	1.2771E+01
45	5.0000E-02	4.9315E-01	4.9332E-01	4.9443E-01	4.9572E-01	4.9770E-01	4.9980E-01	5.0135E-01	5.0213E-01	5.0248E-01

TABLE CXIX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4160120

(4π photons/cm² sec ster)

	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	-8.6040E-07	-6.4800E-07	3.3105E-07	5.8910E-07	-5.9710E-07	1.0465E-05	1.0176E-03	2.2844E-03	3.3622E-03
2	2.9950E+00	-3.2220E-04	-2.4170E-04	1.2557E-04	2.1467E-04	-2.1647E-04	1.2357E-03	5.1557E-02	1.1586E-01	1.7151E-01
3	2.4100E+00	-3.0002E-05	-2.3070E-05	1.2237E-05	1.9999E-05	-2.0753E-05	1.0555E-04	1.3653E-03	2.7092E-03	3.8010E-03
4	2.3000E+00	-5.1510E-05	-3.8402E-05	2.0625E-05	3.3053E-05	-3.4895E-05	1.9207E-04	2.9300E-03	6.0550E-03	8.7227E-03
5	2.3300E+00	-1.1710E-03	-8.8423E-04	4.3755E-04	7.8730E-04	-6.7900E-04	3.4743E-03	1.4693E-01	3.6368E-01	5.6242E-01
6	2.0100E+00	-6.5540E-04	-4.9273E-04	2.4036E-04	4.3020E-04	-3.7525E-04	1.8708E-03	2.6420E-02	6.4290E-02	7.8687E-02
7	1.9000E+00	-2.4026E-04	-1.7981E-04	9.2793E-05	1.5397E-04	-1.3831E-04	8.8563E-04	1.5772E-02	3.6687E-02	5.6300E-02
8	1.8600E+00	-2.7835E-03	-2.1092E-03	1.0042E-03	1.8830E-03	-1.3783E-03	7.2398E-03	2.8288E-01	7.7690E-01	1.2571E+00
9	1.6700E+00	-2.0581E-04	-1.5626E-04	7.3293E-05	1.4005E-04	-9.7805E-05	4.7620E-04	1.5875E-02	4.1843E-02	6.7870E-02
10	1.6610E+00	-2.4263E-03	-1.8343E-03	8.8313E-04	1.6190E-03	-1.1677E-03	6.5943E-03	9.7538E-02	2.1891E-01	3.3328E-01
11	1.5550E+00	-1.0439E-03	-7.8425E-04	3.9163E-04	6.7507E-04	-5.0413E-04	3.7635E-03	4.5827E-02	1.0186E-01	1.5547E-01
12	1.5100E+00	-6.9255E-04	-5.1905E-04	2.6232E-04	4.4213E-04	-3.2805E-04	2.8097E-03	4.0762E-02	9.9738E-02	1.5908E-01
13	1.4800E+00	-3.0450E-03	-2.2765E-03	1.1616E-03	1.9124E-03	-1.3217E-03	4.1866E-02	1.7370E-01	4.1520E-01	6.6147E-01
14	1.3600E+00	-8.0005E-05	-5.9655E-05	3.0753E-05	4.0390E-05	-3.1640E-05	4.2955E-04	3.6505E-03	7.6508E-03	1.1468E-02
15	1.3570E+00	-1.6882E-03	-1.2621E-03	6.6265E-04	1.0110E-03	-6.1450E-04	1.0019E-02	8.4693E-02	1.7684E-01	2.6548E-01
16	1.2900E+00	-1.9995E-03	-1.4731E-03	7.9005E-04	1.1469E-03	-4.8160E-04	1.6802E-02	1.3902E-01	3.2335E-01	5.1490E-01
17	1.2080E+00	-8.9665E-04	-6.5695E-04	3.6295E-04	4.8622E-04	-8.6793E-05	8.3150E-03	5.8718E-02	1.2426E-01	1.8835E-01
18	1.1700E+00	-1.8340E-03	-1.3495E-03	7.1930E-04	1.0360E-03	-1.4230E-04	2.8349E-02	1.6574E-01	4.1555E-01	6.9132E-01
19	1.1000E+00	-1.8022E-03	-1.3212E-03	7.0415E-04	1.0031E-03	7.8823E-04	2.5575E-02	1.4315E-01	2.9413E-01	4.4723E-01
20	1.0300E+00	-6.3955E-04	-4.6025E-04	2.6167E-04	3.2585E-04	7.1370E-04	1.3858E-02	6.9853E-02	1.4107E-01	2.1395E-01
21	9.9800E-01	-4.5995E-04	-3.2472E-04	1.9592E-04	2.1656E-04	8.9925E-04	1.4078E-02	6.4770E-02	1.2639E-01	1.8861E-01
22	9.6900E-01	-1.1812E-04	-8.1982E-05	5.1950E-05	6.1160E-05	3.3503E-04	4.6670E-03	2.1159E-02	4.2158E-02	6.3932E-02
23	9.6000E-01	-4.6610E-04	-3.1305E-04	2.1246E-04	1.8526E-04	2.3149E-03	2.7613E-02	1.1954E-01	2.3916E-01	3.6508E-01
24	9.1200E-01	-1.3218E-05	-8.3853E-06	6.3775E-06	4.7097E-06	1.1768E-04	1.2456E-03	4.9685E-03	8.4100E-03	1.3897E-02
25	9.1000E-01	5.8345E-04	5.2385E-04	-1.4040E-04	-2.3594E-04	1.1869E-02	8.4280E-02	3.3317E-01	6.1155E-01	8.8783E-01
26	7.9000E-01	3.4513E-04	2.6820E-04	-1.1829E-04	-7.2250E-05	3.1257E-03	1.8785E-02	6.2405E-02	1.1218E-01	1.6465E-01
27	7.7000E-01	2.7942E-04	2.1372E-04	-1.0021E-04	-2.6120E-05	2.6370E-03	1.6769E-02	5.1612E-02	1.0176E-01	1.5970E-01
28	7.5500E-01	5.2530E-04	3.9600E-04	-1.9055E-04	2.3119E-05	5.0358E-03	2.0238E-02	8.3363E-02	1.4418E-01	2.0695E-01
29	7.3000E-01	2.4469E-04	1.8296E-04	-8.7295E-05	2.8387E-05	2.2647E-03	1.2044E-02	3.4385E-02	5.8425E-02	8.3150E-02
30	7.2000E-01	1.1592E-03	8.5770E-04	-3.9503E-04	3.1760E-04	1.0780E-02	5.3015E-02	1.4450E-01	2.4327E-01	3.4555E-01
31	6.8000E-01	3.2898E-04	2.4127E-04	-1.0489E-04	1.5147E-04	3.1745E-03	1.4527E-02	3.7683E-02	6.1532E-02	8.5810E-02
32	6.7000E-01	1.5861E-03	1.0923E-03	-3.2335E-04	3.3750E-03	2.8335E-02	1.1877E-01	3.2358E-01	6.1695E-01	8.7432E-01
33	6.0000E-01	2.8320E-04	1.7758E-04	1.1407E-04	1.8660E-03	1.1149E-02	4.0350E-02	1.0007E-01	1.6900E-01	2.4506E-01
34	6.0000E-01	1.0529E-03	7.6213E-04	1.3769E-03	8.1803E-03	4.4875E-02	1.4626E-01	3.3350E-01	5.3542E-01	7.6362E-01
35	5.2000E-01	2.2220E-03	2.2113E-03	2.7052E-03	4.8700E-03	1.3291E-02	3.5002E-02	7.2655E-02	1.1153E-01	1.6306E-01
36	5.0900E-01	1.1040E-03	1.1993E-03	4.6780E-03	1.6638E-02	5.9422E-02	1.6247E-01	3.2658E-01	4.8550E-01	6.5368E-01
37	4.6000E-01	1.6574E-03	2.6512E-03	1.2721E-02	3.4560E-02	9.7758E-02	2.2968E-01	4.1382E-01	5.7905E-01	7.4693E-01
38	4.0600E-01	9.0045E-03	1.3223E-02	4.4233E-02	9.1600E-02	1.9649E-01	3.7912E-01	6.1617E-01	8.4290E-01	1.0974E+00
39	4.0000E-01	9.6868E-04	1.2696E-03	3.3282E-03	6.1295E-03	1.1565E-02	2.0143E-02	3.0880E-02	4.0733E-02	5.1355E-02
40	3.7000E-01	2.3731E-02	2.8453E-02	5.9707E-02	9.9645E-02	1.7165E-01	2.7822E-01	4.0925E-01	5.2820E-01	6.5520E-01
41	3.0000E-01	9.6630E-02	1.0396E-01	1.5054E-01	2.0529E-01	2.9335E-01	4.1375E-01	5.6772E-01	7.1843E-01	8.8988E-01
42	2.5600E-01	4.6578E-01	4.6817E-01	4.8583E-01	5.1367E-01	5.8153E-01	7.2207E-01	9.3208E-01	1.1340E+00	1.3567E+00
43	2.0000E-01	2.8620E+00	2.8807E+00	3.0155E+00	3.2175E+00	3.6623E+00	4.4328E+00	5.3210E+00	6.0137E+00	6.6973E+00
44	1.0000E-01	4.3828E+00	4.4045E+00	4.5542E+00	4.7580E+00	5.1362E+00	5.6030E+00	5.8255E+00	5.8545E+00	5.8652E+00
45	5.0000E-02	2.2816E-01	2.2824E-01	2.2876E-01	2.2937E-01	2.3029E-01	2.3125E-01	2.3134E-01	2.3228E-01	2.3243E-01

TABLE CXX. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4160130

(4π photons/cm² sec ster)

	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	-6.5238E-07	-5.0402E-07	2.0866E-07	4.7658E-07	-2.6447E-07	3.8753E-06	3.7916E-04	1.1088E-03	1.8672E-03
2	2.9950E+00	-2.4572E-04	-1.8908E-04	8.0625E-05	1.7605E-04	-1.0230E-04	2.6538E-04	1.8680E-02	5.6620E-02	9.6805E-02
3	2.4100E+00	-2.3883E-05	-1.0320E-05	7.9636E-06	1.6901E-05	-1.0127E-05	1.6503E-05	6.3572E-04	1.6342E-03	2.4363E-03
4	2.3800E+00	-4.0335E-05	-3.0896E-05	1.3559E-05	2.8387E-05	-1.7344E-05	3.8060E-05	1.2704E-03	3.2365E-03	5.2783E-03
5	2.3300E+00	-8.2335E-04	-6.3438E-04	2.6600E-04	5.9197E-04	-3.1295E-04	7.0130E-04	5.2378E-02	1.6398E-01	2.8242E-01
6	2.0100E+00	-4.6348E-04	-3.5595E-04	1.5258E-04	3.2870E-04	-1.7890E-04	3.3225E-04	1.1399E-02	2.8818E-02	4.7425E-02
7	1.9000E+00	-1.7347E-04	-1.3201E-04	5.8265E-05	1.2153E-04	-6.9553E-05	1.9481E-04	6.0433E-03	1.7233E-02	3.0175E-02
8	1.8600E+00	-1.7931E-03	-1.3819E-03	5.7603E-04	1.2871E-03	-6.2869E-04	1.4829E-03	8.6965E-02	3.2285E-01	6.0620E-01
9	1.6700E+00	-1.2864E-04	-9.9235E-05	4.1002E-05	8.2540E-05	-4.3635E-05	8.1640E-05	5.2937E-03	1.7441E-02	3.2730E-02
10	1.6610E+00	-1.6476E-03	-1.1900E-03	5.0463E-04	1.1015E-03	-5.4785E-04	1.1538E-03	3.8605E-02	1.0497E-01	1.8190E-01
11	1.5560E+00	-6.8585E-04	-5.2478E-04	2.3072E-04	4.7988E-04	-2.5497E-04	8.4072E-04	1.8237E-02	4.8636E-02	8.4180E-02
12	1.5100E+00	-4.5798E-04	-3.4973E-04	1.5593E-04	3.1815E-04	-1.7180E-04	6.9685E-04	1.6016E-02	4.3718E-02	7.8385E-02
13	1.4800E+00	-2.0016E-03	-1.5238E-03	6.9329E-04	1.3746E-03	-7.3922E-04	3.0948E-03	6.6458E-02	1.8406E-01	3.3145E-01
14	1.3500E+00	-5.2517E-05	-3.9868E-05	1.0463E-05	2.5652E-05	-1.9006E-05	1.2169E-04	1.5144E-03	3.7430E-03	6.3210E-03
15	1.3570E+00	-1.1315E-03	-8.5553E-04	4.0683E-04	7.6645E-04	-4.0813E-04	3.2458E-03	3.6297E-02	8.6175E-02	1.4531E-01
16	1.2900E+00	-1.3514E-03	-1.0151E-03	5.0167E-04	8.7892E-04	-4.4288E-04	5.5095E-03	5.4325E-02	1.4264E-01	2.6408E-01
17	1.2030E+00	-6.0652E-04	-4.6287E-04	2.3137E-04	3.8497E-04	-1.6694E-04	3.1880E-03	2.4875E-02	5.9040E-02	8.9568E-02
18	1.1700E+00	-1.1684E-03	-8.7145E-04	4.4512E-04	7.3713E-04	-2.1801E-04	7.2712E-03	6.1876E-02	1.6955E-01	3.1457E-01
19	1.1000E+00	-1.1114E-03	-8.2290E-04	4.3460E-04	6.8263E-04	-1.2527E-05	8.4362E-03	5.8707E-02	1.3661E-01	2.2944E-01
20	1.0300E+00	-4.1003E-04	-2.9843E-04	1.7153E-04	2.3637E-04	1.2391E-04	6.3243E-03	2.8357E-02	6.5170E-02	1.0852E-01
21	9.9000E-01	-3.0558E-04	-2.1059E-04	1.3586E-04	1.6572E-04	2.0485E-04	6.4743E-03	2.7725E-02	6.9422E-02	8.7100E-02
22	9.6900E-01	-8.1005E-05	-5.7040E-05	3.7845E-05	4.1495E-05	8.4487E-05	1.8363E-03	8.8988E-03	1.9398E-02	3.2040E-02
23	9.6000E-01	-3.2688E-04	-2.2282E-04	1.6683E-04	1.6069E-04	6.6470E-04	1.1008E-02	5.0865E-02	1.0866E-01	1.7973E-01
24	9.1200E-01	-9.6202E-06	-6.2022E-06	5.6878E-06	3.7100E-06	3.5595E-05	5.0437E-04	2.1657E-03	4.4175E-03	7.0795E-03
25	9.1000E-01	2.6197E-04	2.6823E-04	3.9099E-05	-2.4216E-04	4.0910E-03	3.8477E-02	1.4640E-01	2.8507E-01	4.4902E-01
26	7.9000E-01	2.0274E-04	1.6390E-04	-5.0449E-05	-1.0444E-04	1.1611E-03	8.5135E-03	2.7682E-02	5.1555E-02	7.8988E-02
27	7.7000E-01	1.7606E-04	1.4009E-04	-4.8069E-05	-7.8728E-05	8.9707E-04	6.8308E-03	2.2327E-02	4.3563E-02	7.1220E-02
28	7.5500E-01	3.4602E-04	2.7132E-04	-1.0063E-04	-1.3209E-04	1.9402E-03	1.2328E-02	3.7230E-02	6.6768E-02	1.0109E-01
29	7.3000E-01	1.6097E-04	1.2494E-04	-4.8407E-05	-5.3125E-05	8.8495E-04	5.2883E-03	1.6403E-02	2.7122E-02	4.0617E-02
30	7.2000E-01	7.6830E-04	5.8890E-04	-2.3622E-04	-1.7864E-04	4.2865E-03	2.3467E-02	6.6060E-02	1.1226E-01	1.6665E-01
31	6.8000E-01	2.1977E-04	1.6671E-04	-6.7756E-05	-2.6993E-05	1.2866E-03	6.4760E-03	1.7061E-02	2.8588E-02	4.1680E-02
32	6.7000E-01	1.4631E-03	1.0812E-03	-4.1845E-04	6.8017E-04	1.2268E-02	5.3632E-02	1.4086E-01	2.6310E-01	4.0375E-01
33	6.0000E-01	3.8552E-04	2.7753E-04	-6.8592E-05	6.1176E-04	4.7743E-03	1.8320E-02	4.3820E-02	7.2675E-02	1.0729E-01
34	5.8000E-01	1.1469E-03	8.3345E-04	1.6549E-04	3.1107E-03	1.9568E-02	6.6288E-02	1.4627E-01	2.3053E-01	3.2900E-01
35	5.2000E-01	1.1146E-03	1.0778E-03	1.1406E-03	2.0286E-03	5.8038E-03	1.5830E-02	3.1868E-02	4.7930E-02	6.6258E-02
36	5.0900E-01	7.2572E-04	6.4830E-04	1.6242E-03	6.7368E-03	2.6438E-02	7.3287E-02	1.4267E-01	2.0846E-01	2.8157E-01
37	4.6000E-01	4.3210E-04	8.2105E-04	5.1165E-03	1.4972E-02	4.3922E-02	1.0297E-01	1.8071E-01	2.4809E-01	3.1925E-01
38	4.0600E-01	2.5292E-03	4.5317E-03	1.9145E-02	4.1153E-02	8.8750E-02	1.6818E-01	2.6485E-01	3.4917E-01	4.4348E-01
39	3.4000E-01	3.3265E-04	4.7892E-04	1.4673E-03	2.7758E-03	5.2235E-03	8.8635E-03	1.3109E-02	1.6762E-02	2.0768E-02
40	3.3700E-01	9.1673E-03	1.1466E-02	2.6616E-02	4.5327E-02	7.7340E-02	1.2138E-01	1.7223E-01	2.1658E-01	2.6537E-01
41	3.0000E-01	4.2173E-02	4.5722E-02	6.7923E-02	9.3055E-02	1.3070E-01	1.7740E-01	2.3501E-01	2.9045E-01	3.5525E-01
42	2.5600E-01	2.1366E-01	2.1425E-01	2.1904E-01	2.2768E-01	2.5137E-01	3.0385E-01	3.8270E-01	4.5672E-01	5.3938E-01
43	2.0000E-01	1.2096E+00	1.2171E+00	1.2715E+00	1.3528E+00	1.5313E+00	1.8373E+00	2.1848E+00	2.4530E+00	2.7192E+00
44	1.0000E-01	1.8199E+00	1.8287E+00	1.8894E+00	1.9714E+00	2.1226E+00	2.3066E+00	2.3900E+00	2.3972E+00	2.3973E+00
45	6.0000E-02	9.4038E-02	9.4070E-02	9.4286E-02	9.4540E-02	9.4915E-02	9.5303E-02	9.5573E-02	9.5700E-02	9.5755E-02

TABLE CXXI. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 416014C

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	-4.6853E-07	-3.6503E-07	1.3925E-07	3.4050E-07	-1.4341E-07	3.4563E-06	1.8866E-04	6.4278E-04	1.1898E-03
2	2.9960E+00	-1.7646E-04	-1.3686E-04	5.4225E-05	1.2973E-04	-5.8053E-05	1.1302E-04	1.0044E-02	3.3035E-02	6.1208E-02
3	2.4100E+00	-1.7239E-05	-1.3335E-05	5.3862E-06	1.2498E-05	-5.8512E-06	1.4689E-06	3.9545E-04	9.7372E-04	1.6798E-03
4	2.3800E+00	-2.9257E-05	-2.2605E-05	9.2175E-06	2.1127E-05	-1.0125E-05	7.0125E-06	6.9590E-04	1.9933E-03	3.5302E-03
5	2.3300E+00	-5.8115E-04	-4.3520E-04	1.7203E-04	4.1000E-04	-1.7563E-04	2.9475E-04	2.6150E-02	9.0982E-02	1.7755E-01
6	2.0100E+00	-3.1560E-04	-2.4403E-04	9.8755E-05	2.2849E-04	-1.0272E-04	4.2588E-05	6.1670E-03	1.7457E-02	3.1178E-02
7	1.9000E+00	-1.1926E-04	-9.1950E-05	3.8005E-05	8.5555E-05	-4.0595E-05	6.1158E-05	3.1687E-03	9.8330E-03	1.8637E-02
8	1.8600E+00	-1.1654E-03	-8.9482E-04	3.5700E-04	8.4172E-04	-3.5137E-04	6.8310E-04	4.7835E-02	1.7116E-01	3.4980E-01
9	1.6700E+00	-8.1230E-05	-6.2945E-05	2.4971E-05	6.9218E-05	-2.4076E-05	3.0558E-05	2.6655E-03	9.2685E-03	1.8859E-02
10	1.6610E+00	-9.8632E-04	-7.6203E-04	3.1010E-04	7.1310E-04	-3.0600E-04	2.9430E-04	2.0206E-02	6.9807E-02	1.1195E-01
11	1.5560E+00	-4.4275E-04	-3.4060E-04	1.4355E-04	3.1600E-04	-1.4721E-04	2.9600E-04	9.6358E-03	2.7708E-02	5.1605E-02
12	1.5100E+00	-2.9632E-04	-2.2750E-04	9.7338E-05	2.1022E-04	-1.0041E-04	2.8345E-04	7.8790E-03	2.3996E-02	4.6687E-02
13	1.4800E+00	-1.2883E-03	-9.8590E-04	4.3230E-04	9.0457E-04	-4.4155E-04	1.6956E-03	3.4655E-02	1.0152E-01	1.9513E-01
14	1.3600E+00	-3.3715E-05	-2.5723E-05	1.1522E-05	2.3431E-05	-1.1590E-05	6.3672E-05	8.1150E-04	2.1494E-03	3.8857E-03
15	1.3570E+00	-7.3220E-04	-5.5660E-04	2.5595E-04	5.8277E-04	-2.5517E-04	1.4832E-03	1.9011E-02	4.9468E-02	8.9068E-02
16	1.2900E+00	-8.7497E-04	-6.6075E-04	3.1720E-04	5.8673E-04	-2.9452E-04	2.6945E-03	2.8417E-02	7.8960E-02	1.4831E-01
17	1.2080E+00	-3.9160E-04	-2.9380E-04	1.4671E-04	2.5683E-04	-1.2075E-04	1.5891E-03	1.3694E-02	3.3568E-02	5.9868E-02
18	1.1700E+00	-7.3275E-04	-5.4807E-04	2.7807E-04	4.7452E-04	-1.8177E-04	3.7876E-03	3.3957E-02	9.1223E-02	1.7608E-01
19	1.1000E+00	-6.8866E-04	-5.0443E-04	2.6900E-04	4.2600E-04	-7.9405E-05	4.9620E-03	3.2555E-02	7.6643E-02	1.3506E-01
20	1.0300E+00	-2.5222E-04	-1.8363E-04	1.0744E-04	1.4891E-04	2.8418E-05	2.8313E-03	1.6035E-02	3.6440E-02	6.3415E-02
21	9.9800E-01	-1.8845E-04	-1.3479E-04	8.5982E-05	1.0404E-04	7.4238E-05	2.9303E-03	1.5237E-02	3.3505E-02	5.7162E-02
22	9.6900E-01	-5.0073E-05	-3.5225E-05	2.4163E-05	2.6320E-05	3.3987E-05	9.8760E-04	4.9680E-03	1.0887E-02	1.8673E-02
23	9.6800E-01	-1.9940E-04	-1.3515E-04	1.0749E-04	8.2737E-05	2.8935E-04	5.9617E-03	2.8183E-02	6.0797E-02	1.0394E-01
24	9.1200E-01	-5.7360E-06	-3.6362E-06	3.6440E-06	2.1157E-06	1.6488E-05	2.7430E-04	1.1979E-03	2.4906E-03	4.1415E-03
25	9.1000E-01	1.8152E-04	1.8523E-04	3.9105E-05	-1.8668E-04	2.0494E-03	2.1723E-02	8.1528E-02	1.6062E-01	2.6052E-01
26	7.9800E-01	1.3884E-04	1.8672E-04	-2.3117E-05	-7.8180E-05	6.0403E-04	4.7287E-03	1.6535E-02	2.9013E-02	4.5895E-02
27	7.7000E-01	1.1546E-04	9.2703E-05	-2.3782E-05	-6.2950E-06	6.2270E-04	3.8140E-03	1.2669E-02	2.4212E-02	3.9655E-02
28	7.5500E-01	2.2862E-04	1.8093E-04	-6.1865E-05	-1.1893E-04	1.0259E-03	6.8888E-03	2.0866E-02	3.7512E-02	5.7865E-02
29	7.3800E-01	1.0577E-04	8.2835E-05	-3.3070E-05	-4.6342E-05	4.7103E-04	2.9600E-03	8.6410E-03	1.5250E-02	2.3239E-02
30	7.2000E-01	5.0290E-04	3.8888E-04	-1.4924E-04	-1.7768E-04	2.3072E-03	1.3170E-02	3.6577E-02	6.3865E-02	9.4875E-02
31	6.8000E-01	1.4351E-04	1.0979E-04	-4.3530E-05	-3.7242E-05	6.9587E-04	3.6417E-03	9.5933E-03	1.6869E-02	2.3671E-02
32	6.7000E-01	1.0276E-03	7.6980E-04	-3.8247E-04	1.0184E-04	6.7085E-03	3.0405E-02	8.8673E-02	1.3993E-01	2.1838E-01
33	6.0000E-01	2.8768E-04	2.1082E-04	-6.7428E-05	2.0693E-04	2.6398E-03	1.0420E-02	2.4612E-02	3.9745E-02	5.8197E-02
34	5.8000E-01	8.3397E-04	6.0878E-04	-1.8658E-05	1.5843E-03	1.8913E-02	3.7635E-02	8.1820E-02	1.2596E-01	1.7781E-01
35	5.2000E-01	8.6280E-04	8.3380E-04	6.2805E-04	1.1082E-03	3.3215E-03	8.9715E-03	1.7794E-02	2.6177E-02	3.5722E-02
36	5.0900E-01	4.7157E-04	3.9793E-04	8.0420E-04	3.6292E-03	1.4870E-02	4.1397E-02	7.9318E-02	1.1346E-01	1.5114E-01
37	4.6000E-01	1.5238E-04	3.6235E-04	2.7540E-03	8.3390E-03	2.4774E-02	5.7812E-02	9.9825E-02	1.3454E-01	1.7070E-01
38	4.0600E-01	1.0191E-03	2.1875E-03	1.0652E-02	2.3245E-02	5.0028E-02	9.3688E-02	1.4586E-01	1.8924E-01	2.3553E-01
39	3.4000E-01	1.6187E-04	2.4753E-04	8.2187E-04	1.5703E-03	2.9102E-03	4.9163E-03	7.1643E-03	9.0137E-03	1.0980E-02
40	3.3700E-01	4.8182E-03	6.1743E-03	1.4954E-02	2.5548E-02	4.3445E-02	6.7060E-02	9.3692E-02	1.1619E-01	1.4046E-01
41	3.0000E-01	2.3525E-02	2.5572E-02	3.8292E-02	5.2432E-02	7.2945E-02	9.7275E-02	1.2729E-01	1.5601E-01	1.8902E-01
42	2.5600E-01	1.2108E-01	1.2126E-01	1.2300E-01	1.2676E-01	1.3837E-01	1.6562E-01	2.0096E-01	2.4481E-01	2.8588E-01
43	2.0000E-01	6.5817E-01	6.6220E-01	6.9120E-01	7.3450E-01	8.2910E-01	9.9810E-01	1.1706E+00	1.3876E+00	1.4417E+00
44	1.0000E-01	9.8067E-01	9.8537E-01	1.0176E+00	1.0612E+00	1.1410E+00	1.2372E+00	1.2795E+00	1.2818E+00	1.2806E+00
45	5.0000E-02	5.0470E-02	5.0490E-02	5.0605E-02	5.0740E-02	5.0942E-02	5.1148E-02	5.1288E-02	5.1350E-02	5.1375E-02

TABLE CXXII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4170110

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	-3.0708E-08	-2.1425E-08	1.7479E-08	1.6527E-08	-4.5355E-08	2.7914E-04	8.3780E-03	1.6617E-02	2.1818E-02
2	2.9960E+00	-1.1175E-03	-7.7446E-04	8.3654E-04	6.4794E-04	-1.6517E-03	2.2102E-02	4.7099E-01	8.3889E-01	1.1062E+00
3	2.4100E+00	-1.0294E-04	-7.0394E-05	6.0570E-05	4.5478E-05	-1.4311E-04	1.4480E-03	1.0479E-02	1.6749E-02	2.0948E-02
4	2.3800E+00	-1.6803E-04	-1.1415E-04	1.0049E-04	7.0267E-05	-2.3517E-04	2.6140E-03	2.3840E-02	4.0117E-02	5.1559E-02
5	2.3300E+00	-4.5373E-03	-3.2182E-03	2.3255E-03	2.3874E-03	-5.0314E-03	6.0365E-02	1.4882E+00	2.8297E+00	3.8517E+00
6	2.0100E+00	-2.4691E-03	-1.7368E-03	1.2868E-03	1.2036E-03	-2.6385E-03	2.7877E-02	2.1210E-01	3.5404E-01	4.5475E-01
7	1.9000E+00	-8.6458E-04	-8.0132E-04	4.6364E-04	3.8245E-04	-9.1039E-04	1.2056E-02	1.4801E-01	2.7559E-01	3.7350E-01
8	1.8500E+00	-1.2083E-02	-8.6668E-03	5.6044E-03	6.6448E-03	-1.0381E-02	1.2017E-01	3.2062E+00	6.6222E+00	9.1874E+00
9	1.6700E+00	-9.1951E-04	-8.8746E-04	4.1875E-04	5.2048E-04	-7.5375E-04	7.9219E-03	1.7208E-01	3.5048E-01	4.9498E-01
10	1.6810E+00	-1.0429E-02	-7.5076E-03	4.8730E-03	5.5621E-03	-8.3823E-03	9.7543E-02	8.7421E-01	1.6774E+00	2.1171E+00
11	1.5560E+00	-4.2286E-03	-3.0020E-03	2.0498E-03	2.0242E-03	-3.2015E-03	5.0381E-02	4.0882E-01	7.4001E-01	9.9765E-01
12	1.5100E+00	-2.7565E-03	-1.9492E-03	1.3479E-03	1.2626E-03	-1.9544E-03	3.6578E-02	4.0742E-01	8.0121E-01	1.1222E+00
13	1.4800E+00	-1.2118E-02	-8.5520E-03	5.8695E-03	5.3135E-03	-6.8531E-03	1.7835E-01	1.7012E+00	3.3139E+00	4.6366E+00
14	1.3600E+00	-3.1601E-04	-2.2231E-04	1.5238E-04	1.3155E-04	-1.3490E-04	5.1167E-03	3.0859E-02	5.3482E-02	7.1056E-02
15	1.3570E+00	-8.3325E-03	-4.3988E-03	3.1312E-03	2.2962E-03	-1.7303E-03	1.2400E-01	7.1677E-01	1.2460E+00	1.6614E+00
16	1.2900E+00	-7.2218E-03	-4.9611E-03	3.5527E-03	2.1618E-03	1.4602E-03	1.8313E-01	1.3368E+00	2.6002E+00	3.6675E+00
17	1.2080E+00	-3.1621E-03	-2.1549E-03	1.5319E-03	8.0282E-04	2.4534E-03	9.7958E-02	5.1283E-01	9.0562E-01	1.2257E+00
18	1.1700E+00	-7.2742E-03	-5.0878E-03	3.1855E-03	2.4876E-03	7.6129E-03	2.1157E-01	1.7469E+00	3.6602E+00	5.3590E+00
19	1.1000E+00	-7.3383E-03	-5.1520E-03	3.0093E-03	2.6137E-03	1.4350E-02	2.6785E-01	1.2378E+00	2.1846E+00	2.9748E+00
20	1.0300E+00	-2.2374E-03	-1.5160E-03	8.9228E-04	5.2033E-04	1.0227E-02	1.3579E-01	8.0135E-01	1.0569E+00	1.4427E+00
21	9.9000E-01	-1.3478E-03	-8.6980E-04	5.0345E-04	1.2901E-04	1.1786E-02	1.3410E-01	5.4227E-01	9.2472E-01	1.2459E+00
22	9.6900E-01	-2.8353E-04	-1.7115E-04	9.3819E-05	-1.5131E-05	4.2047E-03	4.3902E-02	1.8178E-01	3.2008E-01	4.3938E-01
23	9.6000E-01	-7.9224E-04	-4.0858E-04	9.2305E-05	-1.6609E-04	2.7405E-02	2.5457E-01	1.0389E+00	1.8532E+00	2.5677E+00
24	9.1200E-01	-6.3604E-06	1.9936E-06	-1.0139E-05	-6.5396E-06	1.3396E-03	1.1376E-02	4.1206E-02	6.9039E-02	9.2737E-02
25	9.1000E-01	8.0563E-03	4.5859E-03	-3.5496E-03	4.8173E-04	1.2362E-01	8.2849E-01	2.7366E+00	4.5564E+00	8.1425E+00
26	7.9000E-01	1.9992E-03	1.4216E-03	-1.0450E-03	9.3834E-04	3.0629E-02	1.6824E-01	5.1425E-01	8.6077E-01	1.1735E+00
27	7.7000E-01	1.4059E-03	9.6776E-04	-7.7337E-04	1.2334E-03	2.5416E-02	1.3318E-01	4.6525E-01	8.7887E-01	1.2783E+00
28	7.5500E-01	2.3518E-03	1.5725E-03	-1.2768E-03	3.1162E-03	4.7706E-02	2.3671E-01	6.7273E-01	1.0826E+00	1.4472E+00
29	7.3000E-01	1.0712E-03	7.1368E-04	-5.3259E-04	1.5802E-03	2.1182E-02	1.0021E-01	2.7605E-01	4.3888E-01	5.8076E-01
30	7.2000E-01	4.8311E-03	3.1864E-03	-2.0303E-03	9.1014E-03	9.8947E-02	4.3636E-01	1.1594E+00	1.8417E+00	2.4575E+00
31	6.8000E-01	1.3084E-03	8.5453E-04	-4.2900E-04	3.1430E-03	2.8663E-02	1.1843E-01	2.9772E-01	4.5931E-01	6.0368E-01
32	6.7000E-01	-1.7836E-04	-1.2391E-03	3.0408E-03	4.4969E-02	2.5617E-01	8.6355E-01	2.9628E+00	5.6753E+00	8.4538E+00
33	6.0000E-01	-1.0993E-03	-1.6994E-03	3.1177E-03	2.1122E-02	9.4932E-02	3.2720E-01	8.4969E-01	1.3972E+00	1.8107E+00
34	5.8000E-01	-2.3769E-03	-1.5681E-03	1.9903E-02	8.2888E-02	3.7600E-01	1.1838E+00	2.7923E+00	4.3872E+00	5.8974E+00
35	5.2000E-01	1.5999E-02	1.8470E-02	2.3331E-02	4.2436E-02	1.0920E-01	2.8287E-01	6.0573E-01	9.1756E-01	1.2128E+00
36	5.0900E-01	4.9966E-03	8.0348E-03	4.7385E-02	1.4949E-01	4.8750E-01	1.3108E+00	2.6942E+00	3.9785E+00	5.1922E+00
37	4.6000E-01	1.0446E-02	2.7908E-02	1.1547E-01	2.9244E-01	7.9114E-01	1.8497E+00	3.3981E+00	4.7368E+00	5.9855E+00
38	4.0600E-01	1.0029E-01	1.3306E-01	3.7381E-01	7.4259E-01	1.5705E+00	3.0693E+00	5.2245E+00	7.4100E+00	9.6636E+00
39	3.4000E-01	9.8158E-03	1.2054E-02	2.7521E-02	4.8950E-02	9.2138E-02	1.6437E-01	2.6347E-01	3.5538E-01	4.4583E-01
40	3.3700E-01	2.2216E-01	2.5638E-01	4.6650E-01	7.9052E-01	1.3688E+00	2.2906E+00	3.5139E+00	4.6140E+00	5.6833E+00
41	3.0000E-01	8.0723E-01	8.6027E-01	1.2039E+00	1.6264E+00	2.3616E+00	3.4717E+00	4.9893E+00	6.4794E+00	8.0209E+00
42	2.5600E-01	3.6449E+00	3.6717E+00	3.8645E+00	4.1562E+00	4.8353E+00	6.2044E+00	8.2678E+00	1.0219E+01	1.2203E+01
43	2.0000E-01	2.4242E+01	2.4408E+01	2.5604E+01	2.7397E+01	3.1349E+01	3.8216E+01	4.6155E+01	5.2246E+01	5.7992E+01
44	1.0000E-01	3.7635E+01	3.7826E+01	3.9145E+01	4.0343E+01	4.4258E+01	4.8485E+01	5.0558E+01	5.0902E+01	5.1085E+01
45	5.0000E-02	1.9726E+00	1.9733E+00	1.9777E+00	1.9825E+00	1.9908E+00	1.9982E+00	2.0054E+00	2.0085E+00	2.0099E+00

TABLE CXXIII. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4170120

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	-3.4416E-06	-2.5923E-06	1.3274E-06	2.3564E-06	-2.3884E-06	4.1861E-05	4.0703E-03	9.1377E-03	1.3449E-02
2	2.9960E+00	-1.2886E-03	-9.6711E-04	5.0227E-04	8.5867E-04	-8.6586E-04	4.9430E-03	2.0527E-01	4.6344E-01	6.8606E-01
3	2.4100E+00	-1.2353E-04	-9.2280E-05	4.8947E-05	7.9998E-05	-8.3012E-05	4.2221E-04	5.6412E-03	1.0837E-02	1.6204E-02
4	2.3880E+00	-2.0647E-04	-1.5393E-04	8.2498E-05	1.3221E-04	-1.3954E-04	7.6826E-04	1.1720E-02	2.4220E-02	3.4891E-02
5	2.3300E+00	-4.6871E-03	-3.5369E-03	1.7502E-03	3.1495E-03	-2.7163E-03	1.3897E-02	5.8570E-01	1.4547E+00	2.2497E+00
6	2.0100E+00	-2.6219E-03	-1.9709E-03	9.9343E-04	1.7208E-03	-1.6810E-03	7.8834E-03	1.0658E-01	2.1719E-01	3.1476E-01
7	1.9000E+00	-9.6103E-04	-7.1926E-04	3.7117E-04	6.1686E-04	-5.5323E-04	3.5425E-03	6.3087E-02	1.4676E-01	2.2520E-01
8	1.8600E+00	-1.1134E-02	-8.4369E-03	4.0166E-03	7.5319E-03	-5.5133E-03	2.8959E-02	1.1715E+00	3.1076E+00	5.0282E+00
9	1.6700E+00	-8.2324E-04	-6.2500E-04	2.9317E-04	5.6019E-04	-3.9122E-04	1.9008E-03	6.3501E-02	1.6737E-01	2.7148E-01
10	1.6610E+00	-9.7053E-03	-7.3372E-03	3.5325E-03	6.4761E-03	-4.6710E-03	2.6377E-02	3.9175E-01	8.7566E-01	1.3331E+00
11	1.5560E+00	-4.1757E-03	-3.1370E-03	1.5665E-03	2.7003E-03	-2.0165E-03	1.5054E-02	1.8331E-01	4.0745E-01	6.2188E-01
12	1.5100E+00	-2.7702E-03	-2.0762E-03	1.0493E-03	1.7685E-03	-1.3122E-03	1.1239E-02	1.6305E-01	3.8895E-01	6.3632E-01
13	1.4800E+00	-1.2100E-02	-9.1860E-03	4.6464E-03	7.6496E-03	-5.2869E-03	5.7645E-02	6.9482E-01	1.6548E+00	2.6459E+00
14	1.3600E+00	-3.2002E-04	-2.3862E-04	1.2301E-04	1.9756E-04	-1.2656E-04	1.7182E-03	1.4682E-02	3.0603E-02	4.5874E-02
15	1.3570E+00	-6.7527E-03	-5.0083E-03	2.6506E-03	4.0473E-03	-2.4584E-03	4.3277E-02	3.3873E-01	7.0735E-01	1.0618E+00
16	1.2900E+00	-7.5981E-03	-5.8925E-03	3.1962E-03	4.6874E-03	-1.9664E-03	6.7207E-02	5.5608E-01	1.2934E+00	2.0596E+00
17	1.2080E+00	-3.5866E-03	-2.6274E-03	1.4518E-03	1.9849E-03	-3.4717E-04	3.7260E-02	2.3887E-01	4.9704E-01	7.5339E-01
18	1.1700E+00	-7.3359E-03	-5.3978E-03	2.8772E-03	4.1440E-03	5.6922E-04	8.1396E-02	6.6294E-01	1.6622E+00	2.7653E+00
19	1.1000E+00	-7.2086E-03	-5.2847E-03	2.8166E-03	4.0124E-03	3.1529E-03	1.0230E-01	5.7259E-01	1.1765E+00	1.7889E+00
20	1.0300E+00	-2.5502E-03	-1.8410E-03	1.0463E-03	1.3034E-03	2.0548E-03	5.6831E-02	2.7941E-01	6.6428E-01	8.5580E-01
21	9.9800E-01	-1.8398E-03	-1.2989E-03	7.8368E-04	8.6223E-04	3.5970E-03	5.6312E-02	2.5908E-01	6.8554E-01	7.5442E-01
22	9.6900E-01	-4.7250E-04	-3.2761E-04	2.0780E-04	2.0463E-04	1.3401E-03	1.8668E-02	8.4634E-02	1.6863E-01	2.6573E-01
23	9.6000E-01	-1.8644E-03	-1.2522E-03	8.4983E-04	7.4105E-04	9.2597E-03	1.1005E-01	4.7055E-01	8.5663E-01	1.4603E+00
24	9.1200E-01	-5.2070E-05	-3.3541E-05	2.6510E-05	1.8839E-05	4.7071E-04	4.8823E-03	1.8954E-02	3.7640E-02	5.5588E-02
25	9.1000E-01	2.3338E-03	2.0954E-03	-5.6161E-04	-9.4375E-04	4.7475E-02	3.7712E-01	1.3327E+00	2.4462E+00	3.5913E+00
26	7.9000E-01	1.3805E-03	1.0720E-03	-4.7317E-04	-2.8900E-04	1.2503E-02	7.9139E-02	2.4966E-01	4.4872E-01	6.5861E-01
27	7.7000E-01	1.1177E-03	8.5489E-04	-4.0083E-04	-1.0051E-04	1.0548E-02	6.3078E-02	2.0645E-01	4.0702E-01	6.3882E-01
28	7.5500E-01	2.1012E-03	1.5840E-03	-7.6220E-04	9.2475E-05	2.0143E-02	1.1295E-01	3.3345E-01	5.7673E-01	8.2778E-01
29	7.3000E-01	9.7876E-04	7.3184E-04	-3.4918E-04	1.1356E-04	8.0589E-03	4.8177E-02	1.3734E-01	2.3370E-01	3.3260E-01
30	7.2000E-01	4.5369E-03	3.4308E-03	-1.6801E-03	1.2704E-03	4.3118E-02	2.1206E-01	6.7040E-01	9.7310E-01	1.3822E+00
31	6.8000E-01	1.3159E-03	9.6508E-04	-4.1958E-04	6.0589E-04	1.2698E-02	6.8109E-02	1.6007E-01	2.4613E-01	3.4324E-01
32	6.7000E-01	6.3444E-03	4.3691E-03	-1.2934E-03	1.3600E-02	1.1734E-01	4.7509E-01	1.2943E+00	2.4638E+00	3.8973E+00
33	6.8000E-01	1.1328E-03	7.1034E-04	4.6629E-04	7.4640E-03	4.4596E-02	1.6140E-01	4.0027E-01	6.7600E-01	9.8023E-01
34	5.8000E-01	4.2118E-03	3.0465E-03	6.5075E-03	3.6641E-02	1.7950E-01	6.8502E-01	1.3340E+00	2.1417E+00	3.0145E+00
35	5.2000E-01	8.9914E-03	8.0452E-03	1.0021E-02	1.9480E-02	5.3162E-02	1.4001E-01	2.9066E-01	4.4612E-01	6.1223E-01
36	5.0900E-01	4.4180E-03	4.7970E-03	1.8712E-02	6.6551E-02	2.3769E-01	6.4989E-01	1.3027E+00	1.9420E+00	2.6147E+00
37	4.6000E-01	6.5295E-03	1.0625E-02	5.0883E-02	1.3824E-01	3.9103E-01	9.1872E-01	1.6557E+00	2.3162E+00	2.9877E+00
38	4.0600E-01	3.5018E-02	5.2891E-02	1.7693E-01	3.6640E-01	7.8598E-01	1.5165E+00	2.4647E+00	3.3716E+00	4.3894E+00
39	3.4000E-01	3.3747E-03	5.0784E-03	1.3313E-02	2.4494E-02	4.6260E-02	8.0573E-02	1.2362E-01	1.6293E-01	2.0542E-01
40	3.3700E-01	9.4926E-02	1.1381E-01	2.3883E-01	3.9858E-01	6.8660E-01	1.1129E+00	1.6370E+00	2.1128E+00	2.6208E+00
41	3.0000E-01	3.6652E-01	4.1585E-01	6.0215E-01	8.2116E-01	1.1734E+00	1.6550E+00	2.2789E+00	2.9737E+00	3.5593E+00
42	2.5600E-01	1.3631E+00	1.8727E+00	1.9433E+00	2.0547E+00	2.3261E+00	2.8883E+00	3.7233E+00	4.5361E+00	5.4268E+00
43	2.0000E-01	1.1448E+01	1.1523E+01	1.2062E+01	1.2870E+01	1.4649E+01	1.7731E+01	2.1294E+01	2.4055E+01	2.6789E+01
44	1.0000E-01	1.7531E+01	1.7618E+01	1.8217E+01	1.9032E+01	2.0545E+01	2.2412E+01	2.3392E+01	2.3418E+01	2.3461E+01
45	5.0000E-02	9.1263E-01	9.1296E-01	9.1504E-01	9.1748E-01	9.2116E-01	9.2500E-01	9.2778E-01	9.2913E-01	9.2973E-01

TABLE CXXIV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4170130

(4π photons/cm² sec ster)

I	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	-2.6095E-06	-2.0161E-06	8.3463E-07	1.9063E-06	-1.0579E-06	1.5501E-05	1.5166E-03	4.4352E-03	7.4689E-03
2	2.9960E+00	-9.0209E-04	-7.5633E-04	3.2250E-04	7.0740E-04	-4.0920E-04	1.0615E-03	7.8720E-02	2.2648E-01	3.8322E-01
3	2.4100E+00	-9.5533E-05	-7.3279E-05	3.1854E-05	6.7606E-05	-4.0507E-05	7.4011E-05	2.5429E-03	6.1369E-03	9.7450E-03
4	2.3600E+00	-1.6134E-04	-1.2359E-04	5.4236E-05	1.1355E-04	-6.9375E-05	1.5224E-04	5.0814E-03	1.2942E-02	2.1113E-02
6	2.3300E+00	-3.2934E-03	-2.5375E-03	1.0843E-03	2.3679E-03	-1.2518E-03	2.8052E-03	2.0951E-01	6.5592E-01	1.1697E+00
6	2.0100E+00	-1.8539E-03	-1.4238E-03	6.1033E-04	1.3148E-03	-7.1960E-04	1.3290E-03	4.5595E-02	1.1627E-01	1.6970E-01
7	1.9000E+00	-5.9399E-04	-5.3122E-04	2.3306E-04	4.8614E-04	-2.7821E-04	7.7926E-04	2.4173E-02	6.8956E-02	1.2070E-01
8	1.8600E+00	-7.1726E-03	-5.5276E-03	2.3041E-03	5.1485E-03	-2.5147E-03	5.9318E-03	3.8386E-01	1.2914E+00	2.4248E+00
9	1.6700E+00	-5.1450E-04	-3.9694E-04	1.6401E-04	3.7016E-04	-1.7454E-04	3.2616E-04	2.1175E-02	6.9764E-02	1.3092E-01
10	1.6610E+00	-8.1913E-03	-4.7601E-03	2.0187E-03	4.4061E-03	-2.1914E-03	4.6150E-03	1.5442E-01	4.1887E-01	7.2760E-01
11	1.5560E+00	-2.7434E-03	-2.0991E-03	9.2286E-04	1.9199E-03	-1.0199E-03	3.3629E-03	7.2947E-02	1.9454E-01	3.3672E-01
12	1.5100E+00	-1.8319E-03	-1.3989E-03	6.2380E-04	1.2726E-03	-6.8722E-04	2.7874E-03	6.0064E-02	1.7487E-01	3.1754E-01
13	1.4800E+00	-8.0065E-03	-6.0953E-03	2.7731E-03	5.4984E-03	-2.9569E-03	1.5579E-02	2.6183E-01	7.3625E-01	1.3258E+00
14	1.3600E+00	-2.1007E-04	-1.5947E-04	7.8873E-05	1.4261E-04	-7.6022E-05	4.8675E-04	6.0578E-03	1.4972E-02	2.6284E-02
15	1.3570E+00	-4.5261E-03	-3.4221E-03	1.6275E-03	3.8258E-03	-1.6325E-03	1.2983E-02	1.4119E-01	3.4470E-01	5.8126E-01
16	1.2900E+00	-5.4058E-03	-4.0604E-03	2.0063E-03	8.5167E-03	-1.7715E-03	2.2038E-02	2.1730E-01	5.7055E-01	1.0163E+00
17	1.2080E+00	-2.4261E-03	-1.8115E-03	9.2549E-04	1.5399E-03	-6.6777E-04	1.2752E-02	9.9902E-02	2.3616E-01	3.9827E-01
18	1.1700E+00	-4.6737E-03	-3.4058E-03	1.7805E-03	2.9405E-03	-8.7604E-04	2.9095E-02	2.4790E-01	6.7819E-01	1.2583E+00
19	1.1000E+00	-4.4455E-03	-3.2916E-03	1.7384E-03	2.7301E-03	-5.0107E-05	3.7745E-02	2.3883E-01	5.4646E-01	9.1776E-01
20	1.0300E+00	-1.6401E-03	-1.1937E-03	6.8612E-04	8.4548E-04	4.9567E-04	2.1297E-02	1.1743E-01	2.6068E-01	4.3408E-01
21	9.9800E-01	-1.2223E-03	-8.7434E-04	5.4344E-04	6.6287E-04	8.1941E-04	2.1897E-02	1.1090E-01	2.3769E-01	3.8840E-01
22	9.6900E-01	-3.2402E-04	-2.2816E-04	1.5138E-04	1.6598E-04	3.3795E-04	7.3452E-03	3.5995E-02	7.7594E-02	1.2816E-01
23	9.6000E-01	-1.3875E-03	-8.9129E-04	6.6731E-04	6.0276E-04	2.6188E-03	4.4031E-02	2.0346E-01	4.3465E-01	7.1892E-01
24	9.1200E-01	-3.8481E-05	-2.4809E-05	2.2351E-05	1.4840E-05	1.4238E-04	2.0176E-03	8.6628E-03	1.7670E-02	2.8318E-02
25	9.1000E-01	1.0479E-03	1.0729E-03	1.5639E-04	-8.6862E-04	1.6364E-02	1.6791E-01	5.8558E-01	1.1403E+00	1.7961E+00
26	7.9000E-01	8.1094E-04	6.5558E-04	-2.0179E-04	-4.1775E-04	4.6445E-03	3.4054E-02	1.1073E-01	2.0622E-01	3.1995E-01
27	7.7000E-01	7.0423E-04	5.6036E-04	-1.9227E-04	-3.1891E-04	3.9883E-03	2.7355E-02	8.8308E-02	1.7425E-01	2.8488E-01
28	7.5500E-01	1.3841E-03	1.0853E-03	-4.0253E-04	-5.2834E-04	7.7607E-03	4.9312E-02	1.4892E-01	2.6707E-01	4.0436E-01
29	7.3000E-01	6.4388E-04	4.9974E-04	-1.9363E-04	-2.1250E-04	3.5398E-03	2.1153E-02	6.1611E-02	1.0849E-01	1.6247E-01
30	7.2000E-01	3.0732E-03	2.3556E-03	-9.4488E-04	-7.1457E-04	1.7186E-02	8.3868E-02	2.6024E-01	4.4906E-01	6.6663E-01
31	6.8000E-01	8.7907E-04	6.6684E-04	-2.7103E-04	-1.0797E-04	5.1463E-03	2.5904E-02	6.8245E-02	1.1435E-01	1.6632E-01
32	6.7000E-01	5.8526E-03	4.3247E-03	-1.6738E-03	2.3607E-03	4.8034E-02	2.1453E-01	5.6342E-01	1.0124E+00	1.6150E+00
33	6.0000E-01	1.5421E-03	1.1101E-03	-2.7837E-04	2.0470E-03	1.9097E-02	7.3278E-02	1.7528E-01	2.9030E-01	4.2916E-01
34	5.8000E-01	4.5874E-03	3.3338E-03	6.6195E-04	1.2443E-02	7.8272E-02	2.6515E-01	5.8506E-01	8.2213E-01	1.3160E+00
35	5.2000E-01	4.4582E-03	4.3112E-03	4.5623E-03	8.1142E-03	2.3615E-02	6.3319E-02	1.2747E-01	1.8172E-01	2.6503E-01
36	5.0900E-01	2.9029E-03	2.5932E-03	6.4966E-03	2.6947E-02	1.0575E-01	2.9315E-01	5.7068E-01	8.3382E-01	1.1263E+00
37	4.6000E-01	1.7284E-03	3.2842E-03	2.0466E-02	5.9888E-02	1.7569E-01	4.1188E-01	7.2284E-01	9.9234E-01	1.2770E+00
38	4.0600E-01	1.0117E-02	1.8127E-02	7.6578E-02	1.6461E-01	3.5500E-01	6.7271E-01	1.0594E+00	1.3967E+00	1.7739E+00
39	3.4000E-01	1.3306E-03	1.9157E-03	5.8690E-03	1.1103E-02	2.0894E-02	3.5454E-02	5.2436E-02	6.7048E-02	8.3072E-02
40	3.3700E-01	3.6669E-02	4.5943E-02	1.0644E-01	1.8131E-01	3.0936E-01	4.8554E-01	6.8893E-01	8.6633E-01	1.0515E+00
41	3.0000E-01	1.6669E-01	1.8289E-01	2.7169E-01	3.7222E-01	5.2280E-01	7.0961E-01	9.4003E-01	1.1618E+00	1.4210E+00
42	2.5600E-01	8.5463E-01	8.5699E-01	8.7614E-01	9.1073E-01	1.0055E+00	1.2154E+00	1.5308E+00	1.8269E+00	2.1575E+00
43	2.0000E-01	4.8395E+00	4.6859E+00	5.0859E+00	5.4114E+00	6.1251E+00	7.3492E+00	8.7393E+00	9.8119E+00	1.0977E+01
44	1.0000E-01	7.2796E+00	7.3149E+00	7.5575E+00	7.8958E+00	8.4905E+00	9.2263E+00	9.5602E+00	9.5986E+00	9.5891E+00
45	5.0000E-02	3.7615E-01	3.7628E-01	3.7715E-01	3.7816E-01	3.7966E-01	3.8121E-01	3.8229E-01	3.8280E-01	3.8302E-01

TABLE CXXV. ENERGY AND ANGULAR DISTRIBUTION OF FLUX DENSITY AT
400 FT HEIGHT: PROBLEM NO. 4170140

(4π photons/cm² sec ster)

	UPPER ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1	3.0000E+00	-1.0741E-05	-1.4601E-06	5.5699E-07	1.3940E-06	-5.7365E-07	1.3025E-05	7.5465E-04	2.5711E-03	4.7692E-03
2	2.9950E+00	-7.0582E-04	-6.4754E-04	2.1690E-04	5.1891E-04	-2.3221E-04	4.5209E-04	4.0477E-02	1.3214E-01	2.4483E-01
3	2.4100E+00	-6.0956E-05	-5.3339E-05	2.1645E-05	4.9992E-05	-2.3405E-05	5.8755E-06	1.4210E-03	3.8949E-03	6.7194E-03
4	2.3600E+00	-1.1703E-04	-9.0422E-05	3.6870E-05	8.4506E-05	-4.0495E-05	2.0050E-05	2.7936E-03	7.9730E-03	1.4121E-02
5	2.3300E+00	-2.2446E-03	-1.7400E-03	6.8812E-04	1.6432E-03	-7.0254E-04	1.1790E-03	1.0460E-01	3.6393E-01	7.1021E-01
6	2.0100E+00	-1.2624E-03	-9.7610E-04	3.9502E-04	8.1395E-04	-4.1089E-04	1.7035E-04	2.4560E-02	6.9820E-02	1.2471E-01
7	1.9000E+00	-4.7706E-04	-3.6700E-04	1.6234E-04	3.4222E-04	-1.6230E-04	2.4463E-04	1.2575E-02	3.9332E-02	7.4549E-02
8	1.8600E+00	-4.6215E-03	-3.5793E-03	1.4200E-03	3.3669E-03	-1.4055E-03	2.7324E-03	1.9134E-01	6.8465E-01	1.3992E+00
9	1.6700E+00	-3.2492E-04	-2.5178E-04	9.9804E-05	2.3687E-04	-9.6305E-05	1.2223E-04	1.0662E-02	3.7074E-02	7.5436E-02
10	1.6610E+00	-3.9453E-03	-3.0481E-03	1.2404E-03	2.8524E-03	-1.2320E-03	1.1772E-03	8.0825E-02	2.3923E-01	4.4781E-01
11	1.5560E+00	-1.7710E-03	-1.3624E-03	5.7422E-04	1.2640E-03	-5.8886E-04	1.1040E-03	3.8543E-02	1.1083E-01	2.0642E-01
12	1.5100E+00	-1.1853E-03	-9.1001E-04	3.8935E-04	8.4087E-04	-4.0165E-04	1.1338E-03	3.1516E-02	9.5985E-02	1.8675E-01
13	1.4600E+00	-5.1534E-03	-3.9436E-03	1.7292E-03	3.6183E-03	-1.7662E-03	6.7822E-03	1.3862E-01	4.0608E-01	7.8053E-01
14	1.3800E+00	-1.3486E-04	-1.0289E-04	4.6088E-05	8.3723E-05	-4.6361E-05	2.1469E-04	3.2460E-03	6.5975E-03	1.5543E-02
15	1.3570E+00	-2.9288E-03	-2.2264E-03	1.0234E-03	2.0111E-03	-1.0207E-03	5.9327E-03	7.6044E-02	1.9787E-01	3.5627E-01
16	1.2900E+00	-3.4999E-03	-2.6430E-03	1.2688E-03	2.3469E-03	-1.1781E-03	1.0778E-02	1.1767E-01	3.1684E-01	6.9325E-01
17	1.2080E+00	-1.5660E-03	-1.1752E-03	5.8682E-04	1.0273E-03	-4.8302E-04	6.3564E-03	5.4376E-02	1.3427E-01	2.3947E-01
18	1.1700E+00	-2.9310E-03	-2.1023E-03	1.1123E-03	1.8981E-03	-7.2787E-04	1.5150E-02	1.3683E-01	3.6489E-01	7.0432E-01
19	1.1000E+00	-2.7227E-03	-2.0177E-03	1.0760E-03	1.7072E-03	-3.1762E-04	1.9848E-02	1.3022E-01	3.0657E-01	5.4023E-01
20	1.0300E+00	-1.0089E-03	-7.3453E-04	4.2978E-04	5.8564E-04	1.1367E-04	1.1325E-02	6.4148E-02	1.4576E-01	2.5366E-01
21	9.9800E-01	-7.5394E-04	-5.3915E-04	3.4393E-04	4.1936E-04	2.8695E-04	1.1721E-02	6.0850E-02	1.3402E-01	2.2655E-01
22	9.6900E-01	-2.0029E-04	-1.4090E-04	9.6652E-05	1.0528E-04	1.3595E-04	3.8504E-03	1.9372E-02	4.3549E-02	7.4691E-02
23	9.6000E-01	-7.9761E-04	-5.4062E-04	4.2998E-04	3.7095E-04	1.1674E-03	2.3847E-02	1.1273E-01	2.4319E-01	4.1677E-01
24	9.1200E-01	-2.2944E-05	-1.4545E-05	1.4576E-05	8.4626E-06	6.6952E-06	1.0972E-03	4.7916E-03	9.9623E-03	1.6566E-02
25	9.1000E-01	7.2608E-04	7.4093E-04	1.5242E-04	-7.4672E-04	8.1874E-03	8.6892E-02	3.2611E-01	6.4249E-01	1.0421E+00
26	7.9000E-01	5.2335E-04	4.2686E-04	-1.1647E-04	-3.1252E-04	2.4161E-03	1.8915E-02	6.2140E-02	1.1605E-01	1.8358E-01
27	7.7000E-01	4.6182E-04	3.7081E-04	-1.1613E-04	-2.6180E-04	2.0911E-03	1.6256E-02	5.0677E-02	8.6850E-02	1.6862E-01
28	7.5500E-01	9.1447E-04	7.2370E-04	-2.4746E-04	-4.4371E-04	4.1037E-03	2.7555E-02	8.3466E-02	1.6005E-01	2.3146E-01
29	7.3000E-01	4.2306E-04	3.3134E-04	-1.2028E-04	-1.8537E-04	1.8841E-03	1.1840E-02	3.4564E-02	6.0999E-02	8.2955E-02
30	7.2000E-01	2.0116E-03	1.5555E-03	-5.9694E-04	-7.1072E-04	9.2287E-03	5.2679E-02	1.4631E-01	2.5226E-01	3.7950E-01
31	6.8000E-01	5.7404E-04	4.3917E-04	-1.7413E-04	-1.4897E-04	2.7895E-03	1.4567E-02	3.8373E-02	6.4276E-02	9.4685E-02
32	6.7000E-01	4.1111E-03	3.0792E-03	-1.2099E-03	4.8737E-04	2.6834E-02	1.2162E-01	3.2269E-01	6.6971E-01	8.7350E-01
33	6.0000E-01	1.1507E-03	8.4327E-04	-2.6971E-04	8.2772E-04	1.0559E-02	4.1681E-02	8.8148E-02	1.6898E-01	2.3279E-01
34	5.8000E-01	3.3359E-03	2.4351E-03	-7.4631E-05	6.0173E-03	4.3650E-02	1.5054E-01	3.2720E-01	6.0385E-01	7.1122E-01
35	5.2000E-01	2.6512E-03	2.5352E-03	2.5122E-03	4.4328E-03	1.3286E-02	3.5886E-02	7.1177E-02	1.0471E-01	1.4289E-01
36	5.0900E-01	1.8863E-03	1.5917E-03	3.2168E-03	1.4517E-02	5.9479E-02	1.6559E-01	3.1727E-01	4.5383E-01	6.0455E-01
37	4.6000E-01	6.0954E-04	1.4494E-03	1.1016E-02	3.3356E-02	9.9097E-02	2.3125E-01	3.9930E-01	5.3817E-01	6.8280E-01
38	4.0500E-01	4.0762E-03	8.7498E-03	4.2608E-02	9.2978E-02	2.0011E-01	3.7475E-01	5.8342E-01	7.5695E-01	9.4213E-01
39	3.4000E-01	6.4748E-04	9.9010E-04	3.2875E-03	6.2836E-03	1.1761E-02	1.9665E-02	2.8657E-02	3.6055E-02	4.3920E-02
40	3.3700E-01	1.9273E-02	2.4697E-02	5.9814E-02	1.0259E-01	1.7378E-01	2.6824E-01	3.7477E-01	4.6476E-01	5.6193E-01
41	3.0000E-01	9.4101E-02	1.0229E-01	1.5313E-01	2.0873E-01	2.9178E-01	3.8910E-01	5.0816E-01	6.2402E-01	7.5607E-01
42	2.5600E-01	4.8431E-01	4.8503E-01	4.9199E-01	5.0704E-01	5.5347E-01	6.6247E-01	8.2782E-01	9.7923E-01	1.1435E+00
43	2.0000E-01	2.6327E+00	2.6468E+00	2.7648E+00	2.9380E+00	3.3164E+00	3.9604E+00	4.6325E+00	5.7667E+00	7.657E+00
44	1.0000E-01	3.9227E+00	3.9415E+00	4.0705E+00	4.2446E+00	4.5639E+00	4.9488E+00	5.1180E+00	5.1274E+00	5.1224E+00
45	5.0000E-02	2.0188E-01	2.0196E-01	2.0242E-01	2.0296E-01	2.0377E-01	2.0459E-01	2.0515E-01	2.0540E-01	2.0550E-01

6.2 Discussion of Angular Distribution Results in Downward Direction

The discrete ordinates calculational results discussed in this report used a P_3 Legendre expansion for the differential scattering cross section and an S_8 angular quadrature. The P_3 - S_8 calculations may yield negative fluxes in angle groups 1 through 5 whenever there is no contributions in those angle intervals from unscattered gamma rays. The airborne gamma-ray source angular flux calculations contained contributions from unscattered radiation in all directions and therefore did not yield negative fluxes in any of the angle groups. For the ground source problems (sources in the ore body and the dirt overburden), the only contribution in angle groups 1 through 5 were from gamma rays that had undergone at least one scattering event. The negative fluxes occur because the P_3 Legendre expansion of the differential scattering cross section goes negative for some scattering angles between 0 and 90 degrees when the gamma-ray energy is greater than about 0.5Mev.

A close inspection of the angular flux data in Tables LIX through CXXV reveals that the absolute magnitude of the negative fluxes occurring in angle groups 1 through 5 are small when compared with the absolute magnitude of the fluxes for angle groups 6 through 9. An integral of the angular fluxes over angle group 1 through 5 for problem No. 2110100 (Table LIX) revealed that the downward moving flux (upper 2π flux) was always less than 10 percent of the 4π integrated fluxes. It is concluded that the errors introduced by the presence of negative fluxes in angle groups 1 through 5 are negligible when the flux data have been integrated over solid angle.

The ground source results in angle groups 1 through 5 could be improved with the use of a high order Legendre expansion of the differential angular scattering cross section for gamma rays. However, if the ANISN data in this report are to be

used to predict responses for 2π and 4π looking sensors at various heights above ground, then the contribution from airborne sources to the total flux in the downward 2π direction far outweighs the contribution of the ground sources in the downward directions.

6.3 Use of Data Base for Arbitrary Combinations of Sources

Tables XLI, XLII and XLIII give the problem numbers associated with 1) various concentrations of uranium, thorium, and potassium in sandstone covered with biomass, 2) airborne radon sources, 3) various concentrations of uranium in a sandstone orebody covered with a dirt overburden, and 4) various concentrations of uranium, thorium and potassium in a dirt overburden above a sandstone orebody. The response of a detector at any designated height, h , above ground can be constructed as a linear combination of sandstone, dirt overburden and airborne sources. The user simply weights each source component by an appropriate factor and adds.

The ground level concentration of airborne radon when the uranium source is not covered with a dirt overburden can be obtained from the equations:

$$\lambda_{Rn} C_{ao} = \lambda_U N_U W \sqrt{\frac{D_g}{D_{air}}}$$

$$N_U = \rho_S \text{ (PPM) } N_a / (A_U \times 10^6)$$

where

$$\lambda_{Rn} = \text{radon decay constant, } 2.1 \times 10^{-6} \text{ sec}^{-1}$$

$$\lambda_U = \text{uranium decay constant, } 4.88 \times 10^{-18} \text{ sec}^{-1}$$

$$D_g = \text{diffusion coefficient for radon in ground} \\ (5.0 \times 10^{-2} \text{ cm}^2/\text{sec})$$

N_U = atom density of uranium (atoms/cm³),
 W = fraction of radon in soil-air (taken to be 0.1),
 D_g = diffusion coefficient for radon in air
 (5.0X10⁻⁴ cm²/sec),
 ρ_S = soil density (ρ_S =2.168 g/cm³ for sandstone),
 N_a = Avagodros number (6.02X10²³),
 A_U = Atomic mass of U-238 (238.0508)
 PPM= parts per million of U-238

The number of U-238 atoms/cm³ for a sandstone orebody concentration of 1PPM of U-238 is 5.48X10¹⁵. Thus

$$N_U = 5.48X10^{15} \text{ XPPM (atoms/cm}^3\text{)}.$$

The radon concentration at the air/ground interface is then given by:

$$\begin{aligned}
 C_{ao} &= \frac{4.88X10^{-18}}{2.1X10^{-6}} \times 5.48X10^{15} \text{ PPM} \times 0.1 \times \sqrt{\frac{0.05}{5.0X10^4}} \left(\frac{\text{Rn-222atoms}}{\text{cm}^3} \right) \\
 &= 1.27345 \text{ PPM atoms Rn-222/cm}^3
 \end{aligned}$$

Converting to Bq/M³ we have

$$10^6 \lambda_{Rn} C_{ao} = \text{Bq/M}^3 \text{ at air/ground interface.}$$

$$\begin{aligned}
 \text{Therefore, } C_{ao} &= 2.1X10^{-6} \times 1.27345 \text{ PPM (Bq/M}^3\text{)} \\
 &= 2.674 \text{ PPM (Bq/M}^3\text{)}.
 \end{aligned}$$

The radon concentration in air at ground level from uranium sources in the dirt overburden is given by $C_{oa} = 2.672 \text{ PPM}_U$ where PPM_U is the uranium concentration in the dirt overburden for overburden thickness of 10.266cm or greater. The radon concentration in air at ground level from the uranium sources in the sandstone is dependent on the dirt overburden thickness as follows:

Dirt Overburden Thickness (cm)

C_{ao} (Bq/M³)

0	2.674 PPM _U
10.266	3.113X10 ⁻³ PPM _U
17.110	2.978X10 ⁻³ PPM _U
26.399	2.817X10 ⁻³ PPM _U
32.509	2.695X10 ⁻³ PPM _U

The total flux density, $F(I,J)$, in the I -th height interval and the J -th energy group is given by:

$$F(I,J) = \sum A(K) \cdot \text{PHI}(I,J,K),$$

where $\text{PHI}(I,J,K)$ is the total flux density in the I -th height interval and J -th energy group for problem number K (see Tables XLI, XLII, and XLIII for problem numbers), and $A(K)$ is the concentration of the radioactive element divided by the concentration of that element as used in problem No. K . The summation is taken over only those problem numbers that represent the material configuration and sources of interest.

Let us consider the case where a sandstone orebody is covered with a biomass density of 10.2 kg/m³ and there is no inversion layer in the atmosphere and the atmospheric radon distribution remains constant with altitude. We shall assume that there is 250PPM uranium, 20PPM thorium and 5% potassium in the orebody. We shall utilize data from problem nos. 2160200, 2230200, 2380200, and 3491100. We then obtain the following values for $A(K)$:

$$A(2160200) = 250/200 = 1.25$$

$$A(2230200) = 20/25 = 0.80$$

$$A(2380200) = 5/2.5 = 2.0$$

$$A(3491100) = 2.674 \times 250 = 667.5$$

Referring to Tables XLV, XLVIII, L, and LI, we find data for a 400 ft detector height. Let us assume that we are interested in the gamma-ray flux in energy group 20. The following values

are obtained from the tables:

$$\begin{aligned}\text{PHI}(400\text{ft}, J = 20, 2160200) &= 0.2118 \\ \text{PHI}(400\text{ft}, J = 20, 2230200) &= 6.4751 \times 10^{-3} \\ \text{PHI}(400\text{ft}, J = 20, 2380200) &= 9.6969 \times 10^{-4} \\ \text{PHI}(400\text{ft}, J = 20, 3491100) &= 2.1545 \times 10^{-4}\end{aligned}$$

The total flux at 400 ft above ground in the 20th energy group (.9980-1.030Mev) is then given by:

$$\begin{aligned}F(400\text{ft}, J = 20) &= 1.25 \times 0.2118 + 0.8 \times 6.4751 \times 10^{-3} + 2.0 \times \\ &\quad 9.6969 \times 10^{-4} + 668.5 \times 2.1545 \times 10^{-4} \\ &= 0.41590 \text{ (photons/cm}^2\text{sec)}\end{aligned}$$

For a second example, let us consider a material configuration where a sandstone orebody is covered with a 10.266cm thick layer of dirt, there is an inversion at a height of 850 ft, and the radon distribution varies exponentially with altitude. We shall assume that there is 100ppm uranium, no thorium and no potassium in the sandstone orebody, and 10ppm uranium, 20ppm thorium and 1.0 percent potassium in the dirt overburden. We will then need data from problems 4110110, 4000111, 4000112, 4000113 and 3692100. We obtain the following values for A(K):

$$\begin{aligned}A(4110110) &= 100/3.2 = 31.25 \\ A(4000111) &= 10/3.2 = 3.125 \\ A(4000112) &= 20/12 = 1.667 \\ A(4000113) &= 1.0/2.5 = 0.4 \\ A(3692100) &= (2.672 \times 10) + (3.113 \times 10^{-3} \times 100) \\ &= 26.72 + 0.3113 = 27.03\end{aligned}$$

Referring to Tables LVI, LIII, LIV, LV and LII, respectively, we find for a 400 ft detector height and energy group 15 the following values:

$$\begin{aligned}\text{PHI}(400, J=15, 4110110) &= 1.2992 \times 10^{-3} \\ \text{PHI}(400, J=15, 4000111) &= 2.6832 \times 10^{-3} \\ \text{PHI}(400, J=15, 4000112) &= 3.3109 \times 10^{-3} \\ \text{PHI}(400, J=15, 4000113) &= 1.4505 \times 10^{-3} \\ \text{PHI}(400, J=15, 3692100) &= 1.1494 \times 10^{-3}\end{aligned}$$

The total flux at 400 ft above ground in the 15th energy group (1.290-1.357Mev) is then given by:

$$\begin{aligned}
 F(400\text{ft}, J=15) &= 31.25 \times 1.2992 \times 10^{-3} + 3.125 \times 2.6832 \times 10^{-3} + \\
 &\quad 1.667 \times 3.3109 \times 10^{-3} + 0.4 \times 1.4505 \times 10^{-3} + \\
 &\quad 27.03 \times 1.1494 \times 10^{-3} \\
 &= 8.6153 \times 10^{-2} \text{ (photons/cm}^2\text{sec)}
 \end{aligned}$$

The angular dependent flux density, $F(I, J, N)$, in the I-th height interval, the J-th energy group and the N-th angular direction is given by:

$$F(I, J, N) = \sum A(K) \text{ PHI}(I, J, N, K)$$

where $\text{PHI}(I, J, N, K)$ is the angular flux density in the I-th height interval, J-th energy group and N-th direction for problem number K. The summation is taken over only those problem numbers that represent the material configuration and sources of interest. The $A(K)$ values will depend on the source strength for each radioactive element in the material configuration of interest and the source strength used for problem No. K. Values of $\text{PHI}(I, J, N, K)$ for a detector height of 400 ft are given in Tables LIX through CXXV. The values of C_{ao} given above as a function of the dirt overburden thickness should be used to determine the radon concentration in Bq/M^3 at the air/ground interface.

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