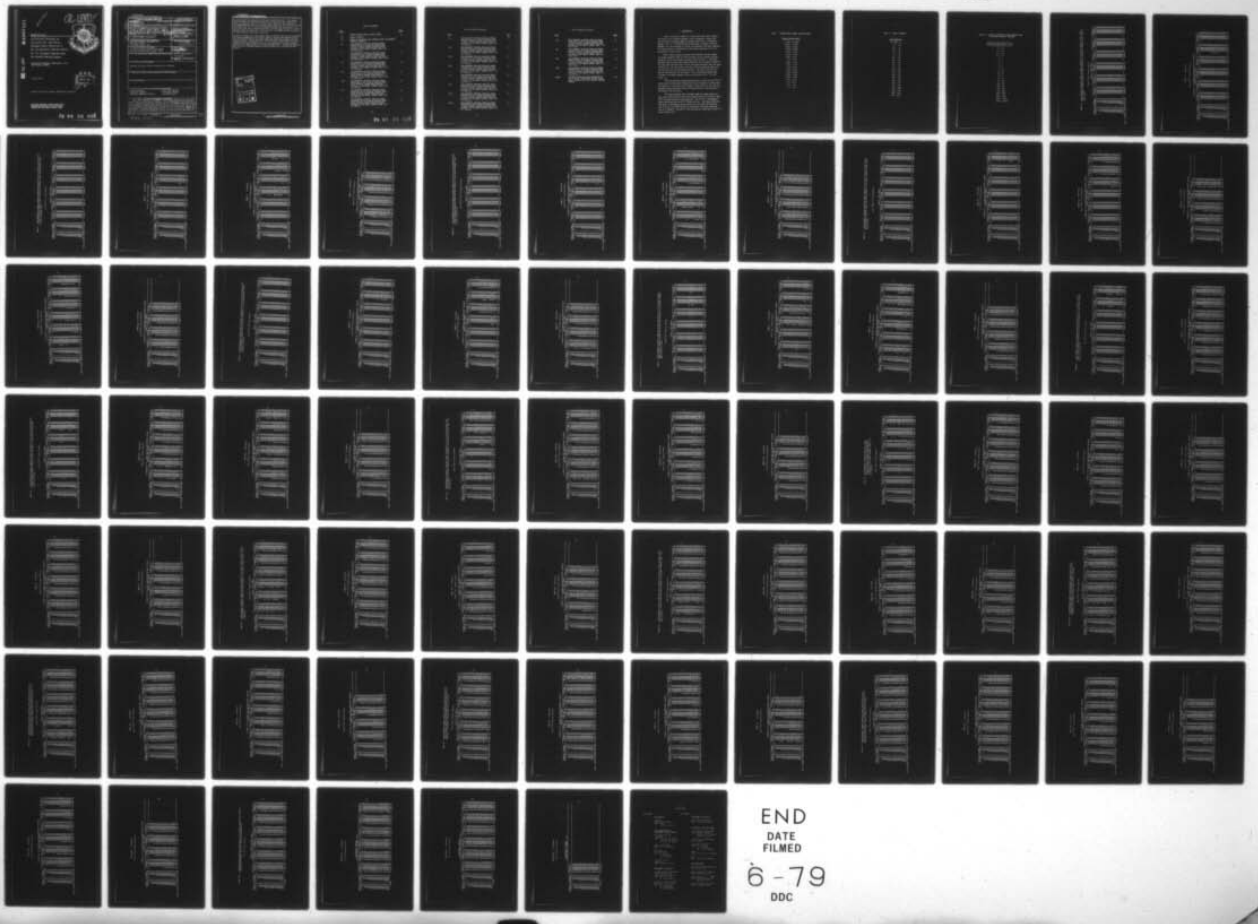
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CALCULATIONAL PROCEDURE FOR EVALUATING TIME- AND SPATIAL-DEPENDENT ENERGY DEPOSITION IN AIR FOR ANISOTROPIC NUCLEAR SOURCES: VOL. IV, SECONDARY GAMMA-RAY DATA FOR ISOTROPIC NEUTRON SOURCES

Radiation Research Associates, Inc.
Fort Worth, Texas

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This report describes the RENDER calculational procedure that was developed for use in evaluating the spatial- and time-dependent energy deposition in air produced by anisotropic nuclear sources. The RENDER procedure utilizes nuclear energy deposition data generated for conical sources that were originally computed for line-beam sources through use of the ZAP, ZAPN, ZAPGAM and DEPO codes. The energy deposition data for air that are input to RENDER were generated for neutron and gamma-ray sources and for secondary gamma rays re-

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sulting from neutron capture and inelastic scattering in air. The energy deposition data for line-beam sources and for point isotropic sources were found to compare favorably with similar data reported in the literature. The RENDER procedure was run utilizing energy deposition data from the conical source-data base for a 9-to-10-MeV gamma-ray source and the results of the convolution over source emission direction and time were found to be in good agreement with the input data, indicating that the RENDER procedure performs the time-and-angle convolution correctly.

Volumes II through IV of this report present tabulated data on the time dependent energy deposition in air versus range for neutron and gamma-ray point isotropic sources and for secondary gamma rays generated by point isotropic neutron sources. Also given in Vol. V are curve fit coefficients for use in computing the energy deposition in air versus distance and source emission angle for line beam sources of neutrons and gamma rays. Coefficient data are also given for secondary gamma-ray energy deposition by line beam neutron sources.

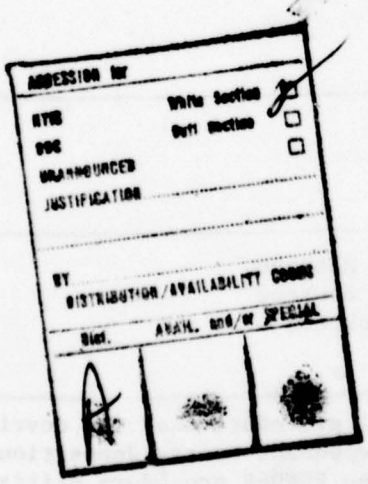


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I. INTRODUCTION

This is the fourth volume of a five-volume report which presents the results of an extensive parameter study on gamma-ray, neutron and neutron-produced secondary gamma ray energy deposition in a homogeneous medium of air ($\rho = 1.225X10^{-3} g/cm^3$) and describes a computer procedure (RENDER) which was developed to utilize the parametric data when computing the time and spatial distributions of the energy deposition in air for anisotropic nuclear sources.

This volume presents calculated time dependent secondary gamma-ray energy deposition data for point isotropic neutron sources emitting radiation in the source energy intervals listed in Table I. The radial intervals used in storing the energy deposition data are given in Table II. The delay time intervals used to store the energy deposition data are given in Table III. The delay time is the time of energy deposition minus the time of arrival of the uncollided radiation. All source neutrons were emitted instantaneously by the source. The calculational methods used to compute the energy deposition data are described in Vol. I of this report.

The time dependent energy deposition data in units of keV $m^{-3}sec^{-1}$/source neutron versus radial distance are given in Tables IV through XXII. The numbers at the bottom of each column in these tables is the total time dependent energy deposition (keV sec^{-1}/source neutron) occurring within 1500 meters from the source.

The time-integrated total secondary gamma-ray energy deposition data versus radial distance and source-energy interval are listed in Table XXIII for point-isotropic neutron sources. The units for the gamma-ray energy deposition data are keV m^{-3}/source neutron. The energy deposition data given in Table XXIII can be converted to air kerma rate (exposure rate in air ($\rho = 1.225X10^{-3} g/cm^3$) by multiplying the energy deposition data by $4.708X10^{11}$. The units of the resulting air kerma rate is rad hr^{-1}/source neutron sec^{-1}.

TABLE I. NEUTRON SOURCE ENERGY INTERVAL BOUNDS

Energy Interval (MeV)
0.001 - 0.00335
0.00335 - 0.0912
0.0912 - 0.0248
0.0248 - 0.0676
0.0676 - 0.184
0.184 - 0.303
0.303 - 0.50
0.50 - 0.823
0.823 - 1.353
1.353 - 1.738
1.738 - 2.232
2.232 - 2.865
2.865 - 3.680
3.680 - 6.070
6.070 - 7.790
7.790 - 10.0
10.0 - 12.0
12.0 - 13.5
13.5 - 15.0

TABLE II. RADIAL INTERVALS

Radial Interval (m)
0 - 10
10 - 20
20 - 40
40 - 60
60 - 80
80 - 100
100 - 125
125 - 150
150 - 175
175 - 200
200 - 250
250 - 300
300 - 350
350 - 400
400 - 450
450 - 500
500 - 600
600 - 800
800 - 1000
1000 - 1200
1200 - 1500

TABLE III. BOUNDS OF DEPOSITION TIME INTERVALS USED IN SECONDARY GAMMA-RAY PROBLEMS

DEPOSITION TIME INTERVAL (μsec)
0 - 0.2
0.2 - 0.3
0.3 - 0.5
0.5 - 1.0
1 - 2
2 - 3
3 - 5
5 - 7
7 - 10
10 - 20
20 - 35
35 - 50
50 - 70
70 - 100
100 - 200
200 - 400
400 - 700
700 - 1000
1000 - 2000
2000 - 3500
3500 - 15000
15000 - 100,000

TABLE IV. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.001 TO 0.00335 MeV

(keV $m^{-3}sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00

TABLE IV. (Continued)

(keV $m^{-3} sec^{-1}$ / source neutron)

1.000E-03 TO 3.350E-03 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	5.535E-07	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	3.492E-06	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	1.835E-06	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	4.213E-04	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	7.155E-06	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	1.060E-05	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	3.036E 04	.000E 00

TABLE IV. (Continued)

(keV $m^{-3}sec^{-1}$/ source neutron)

1.000E-03 TO 3.350E-03 MEV SECONDARY GAMMAS
DELAY TIME (SEC)

RADIAL DISTANCE INTERVAL (METERS)	5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	4.708E-04	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	6.845E-05	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	1.549E-03	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	3.347E-04	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	4.992E-04	1.495E-06
100.0 - 125.0	.000E 00	.000E 00	.000E 00	2.204E-04	7.465E-05	3.942E-06
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	1.187E-04	2.673E-06
150.0 - 175.0	.000E 00	.000E 00	.000E 00	3.727E-05	5.210E-06	1.662E-04
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	6.665E-05	1.336E-07
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	7.250E-07	4.677E-05
250.0 - 300.0	.000E 00	.000E 00	.000E 00	1.589E-05	8.325E-07	1.199E-06
300.0 - 350.0	.000E 00	.000E 00	.000E 00	9.535E-07	3.802E-07	3.816E-07
350.0 - 400.0	.000E 00	.000E 00	.000E 00	7.335E-08	1.186E-06	1.447E-07
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	3.612E-07	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	7.360E-07	1.807E-05	5.115E-07
500.0 - 600.0	.000E 00	.000E 00	.000E 00	1.471E-07	1.291E-07	7.840E-08
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	1.130E-06	1.127E-06
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	1.871E-07	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	2.177E 03	8.868E 03	4.507E 03

TABLE IV. (Continued)

(keV $m^{-3} sec^{-1}$ / source neutron)

1.000E-03 TO 3.350E-03 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	1.316E-07
20.0 - 40.0	.000E 00	3.032E-04	9.485E-08	2.169E-05
40.0 - 60.0	.000E 00	.000E 00	1.222E-05	1.271E-05
60.0 - 80.0	.000E 00	3.157E-04	3.765E-05	1.499E-05
80.0 - 100.0	4.154E-05	1.882E-04	5.655E-05	2.069E-05
100.0 - 125.0	3.401E-07	1.871E-05	3.042E-05	1.701E-05
125.0 - 150.0	1.857E-07	8.705E-05	4.588E-05	1.969E-05
150.0 - 175.0	1.938E-07	8.255E-05	2.518E-05	1.745E-05
175.0 - 200.0	4.886E-05	3.893E-06	2.330E-05	1.138E-05
200.0 - 250.0	5.190E-05	2.130E-05	2.613E-05	8.105E-06
250.0 - 300.0	1.473E-05	2.994E-05	1.466E-05	6.215E-06
300.0 - 350.0	6.380E-06	9.725E-06	1.106E-05	4.729E-06
350.0 - 400.0	9.280E-07	3.651E-06	4.172E-06	2.776E-06
400.0 - 450.0	3.171E-06	7.785E-06	3.701E-06	1.597E-06
450.0 - 500.0	3.259E-07	2.071E-06	3.162E-06	9.725E-07
500.0 - 600.0	2.332E-06	1.334E-06	1.051E-06	7.420E-07
600.0 - 800.0	4.656E-07	2.967E-07	3.240E-07	2.982E-07
800.0 - 1000.0	1.023E-07	8.960E-09	2.225E-07	1.089E-07
1000.0 - 1200.0	2.944E-07	9.780E-08	7.255E-08	2.485E-08
1200.0 - 1500.0	7.995E-08	5.960E-08	1.989E-08	1.158E-08
TOTAL ENERGY DEPOSITION/SEC	7.027E 03	8.029E 03	6.153E 03	2.995E 03

TABLE V. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.00335 to 0.00912 MeV

(keV $m^{-3} sec^{-1}$ / source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00

TABLE V. (Continued)

(keV $m^{-3} sec^{-1}$ / source neutron)

3.350E-03 TO 9.120E-03 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	5.665E-05	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	1.933E-05	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	4.556E 04	.000E 00	.000E 00

TABLE V. (Continued)

(keV $m^{-3} sec^{-1}$ / source neutron)

3.350E-03 TO 9.120E-03 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	8.840E-04	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	1.658E-04
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	2.894E-07
200.0 - 250.0	.000E 00	.000E 00	9.040E-06	.000E 00	.000E 00	7.925E-07
250.0 - 300.0	.000E 00	.000E 00	5.525E-07	2.108E-05	2.354E-07	1.121E-06
300.0 - 350.0	.000E 00	.000E 00	7.070E-07	.000E 00	2.057E-07	1.793E-05
350.0 - 400.0	.000E 00	.000E 00	3.030E-07	.000E 00	9.245E-08	.000E 00
400.0 - 450.0	.000E 00	.000E 00	3.977E-05	.000E 00	7.435E-06	.000E 00
450.0 - 500.0	.000E 00	.000E 00	2.857E-06	.000E 00	1.057E-05	.000E 00
500.0 - 600.0	.000E 00	.000E 00	1.694E-07	3.168E-06	.000E 00	4.046E-06
600.0 - 800.0	.000E 00	.000E 00	.000E 00	1.875E-06	1.221E-08	2.282E-07
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	1.929E-07	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	9.125E-08	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	4.367E-10	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	8.906E 03	4.538E 03	3.068E 03	4.477E 03

TABLE V. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

3.350E-03 TO 9.120E-03 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	1.201E-09
20.0 - 40.0	.000E 00	2.562E-04	1.580E-04	1.810E-05
40.0 - 60.0	.000E 00	2.820E-05	1.303E-04	1.924E-05
60.0 - 80.0	.000E 00	2.519E-06	6.830E-05	1.421E-05
80.0 - 100.0	5.520E-04	2.185E-07	4.978E-05	1.902E-05
100.0 - 125.0	1.266E-06	5.815E-05	2.868E-05	1.207E-05
125.0 - 150.0	2.525E-05	1.073E-04	3.374E-05	1.329E-05
150.0 - 175.0	5.315E-05	7.180E-05	2.914E-05	1.088E-05
175.0 - 200.0	4.326E-05	4.348E-05	2.793E-05	1.042E-05
200.0 - 250.0	3.777E-05	2.411E-05	1.556E-05	9.285E-06
250.0 - 300.0	3.150E-06	1.863E-05	1.366E-05	6.150E-06
300.0 - 350.0	1.224E-05	7.005E-07	8.670E-06	4.180E-06
350.0 - 400.0	1.008E-05	9.275E-06	2.931E-06	3.471E-06
400.0 - 450.0	4.090E-06	6.380E-06	2.368E-06	1.821E-06
450.0 - 500.0	3.851E-06	1.544E-06	3.301E-06	1.647E-06
500.0 - 600.0	5.650E-07	2.802E-07	1.843E-06	8.180E-07
600.0 - 800.0	9.310E-07	9.495E-07	5.300E-07	3.559E-07
800.0 - 1000.0	2.261E-07	2.907E-07	1.703E-07	9.265E-08
1000.0 - 1200.0	1.144E-08	4.976E-08	9.180E-08	3.090E-08
1200.0 - 1500.0	1.178E-09	5.495E-09	3.487E-08	1.062E-08
TOTAL ENERGY DEPOSITION/SEC	8.152E 03	7.567E 03	6.123E 03	3.131E 03

TABLE VI. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.00912 TO 0.0248 MeV

(keV $m^{-3} sec^{-1}$/keV of source energy)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00

TABLE VI. (Continued)

(keV $m^{-3}sec^{-1}$/source neutron)

9.120E-03 TO 2.480E-02 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	1.740E-03	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	4.197E-05	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	6.910E-06	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	4.381E 04	.000E 00	.000E 00

TABLE VI. (Continued)

(keV $m^{-3}sec^{-1}$/ source neutron)

9.120E-03 TO 2.480E-02 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	4.158E-03	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	2.566E-03	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	3.816E-03	.000E 00	.000E 00	.000E 00	3.655E-04
125.0 - 150.0	.000E 00	2.367E-04	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	2.334E-03	.000E 00	.000E 00	.000E 00	.000E 00	3.438E-08
175.0 - 200.0	.000E 00	3.073E-05	.000E 00	3.713E-04	.000E 00	.000E 00
200.0 - 250.0	.000E 00	5.995E-06	.000E 00	2.336E-06	.000E 00	2.879E-07
250.0 - 300.0	.000E 00	9.190E-06	.000E 00	3.905E-06	.000E 00	1.501E-07
300.0 - 350.0	.000E 00	1.798E-05	.000E 00	1.199E-06	.000E 00	1.876E-05
350.0 - 400.0	.000E 00	.000E 00	.000E 00	8.975E-08	.000E 00	4.123E-06
400.0 - 450.0	1.139E-05	.000E 00	.000E 00	5.555E-08	.000E 00	2.033E-07
450.0 - 500.0	2.619E-06	.000E 00	.000E 00	1.505E-05	.000E 00	5.510E-06
500.0 - 600.0	1.761E-06	.000E 00	.000E 00	3.543E-08	.000E 00	1.436E-07
600.0 - 800.0	2.186E-05	1.182E-05	.000E 00	5.600E-09	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	7.445E-08	.000E 00	1.202E-08	.000E 00	.000E 00
1000.0 - 1200.0	4.561E-06	.000E 00	.000E 00	3.669E-09	2.845E-07	4.676E-08
1200.0 - 1500.0	3.670E-07	.000E 00	.000E 00	.000E 00	9.075E-08	7.835E-08
TOTAL ENERGY DEPOSITION/SEC	6.529E 04	4.402E 04	.000E 00	6.654E 03	1.494E 03	4.631E 03

TABLE VI. (Continued)

(keV $m^{-3} sec^{-1}$ / source neutron)

9.120E-03 TO 2.480E-02 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	9.160E-06	1.107E-05
20.0 - 40.0	1.281E-05	.000E 00	2.331E-06	2.915E-05
40.0 - 60.0	5.500E-04	1.787E-06	2.018E-06	1.971E-05
60.0 - 80.0	8.960E-06	1.585E-04	3.316E-05	1.706E-05
80.0 - 100.0	3.485E-05	2.880E-06	6.730E-05	1.630E-05
100.0 - 125.0	5.895E-07	6.610E-07	5.055E-05	1.088E-05
125.0 - 150.0	3.497E-07	1.304E-05	2.153E-05	1.247E-05
150.0 - 175.0	8.280E-05	1.055E-04	1.396E-05	9.080E-06
175.0 - 200.0	4.056E-05	2.858E-05	2.961E-05	7.060E-06
200.0 - 250.0	1.302E-05	1.654E-05	1.369E-05	7.335E-06
250.0 - 300.0	7.600E-06	7.215E-06	1.363E-05	6.070E-06
300.0 - 350.0	1.455E-05	7.430E-06	1.040E-05	4.966E-06
350.0 - 400.0	1.076E-05	8.685E-06	4.731E-06	2.839E-06
400.0 - 450.0	8.350E-07	3.736E-06	3.686E-06	2.099E-06
450.0 - 500.0	9.255E-07	1.247E-06	3.004E-06	1.526E-06
500.0 - 600.0	1.966E-06	2.307E-07	1.759E-06	8.070E-07
600.0 - 800.0	3.875E-07	2.373E-07	4.973E-07	3.222E-07
800.0 - 1000.0	1.134E-07	2.492E-07	2.056E-07	9.800E-08
1000.0 - 1200.0	1.022E-09	2.316E-09	6.300E-08	3.604E-08
1200.0 - 1500.0	.000E 00	.000E 00	2.784E-08	1.886E-08
TOTAL ENERGY DEPOSITION/SEC	5.965E 03	5.112E 03	6.087E 03	3.053E 03

TABLE VII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.0248 TO 0.0676 MeV

($keV\ m^{-3} sec^{-1}$ / source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00

TABLE VII. (Continued)

(keV $m^{-3}sec^{-1}$/source neutron)

2.480E-02 TO 6.760E-02 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	5.995E-03
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	1.922E-06
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	1.862E-06
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	6.200E-06
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	2.677E 04

TABLE VII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

2.480E-02 TO 6.760E-02 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	2.246E-04	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	3.516E-04	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	2.340E-04	5.740E-06	1.411E-06
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	9.055E-05	7.650E-07
200.0 - 250.0	.000E 00	.000E 00	.000E 00	4.959E-05	4.679E-05	1.997E-05
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	3.249E-05	2.232E-05
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	1.081E-06	1.863E-05
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	1.214E-05	1.521E-07
400.0 - 450.0	.000E 00	.000E 00	.000E 00	4.851E-07	1.316E-05	6.360E-07
450.0 - 500.0	.000E 00	.000E 00	.000E 00	8.370E-07	5.345E-07	1.442E-05
500.0 - 600.0	2.519E-07	.000E 00	.000E 00	6.015E-06	3.559E-09	3.744E-06
600.0 - 800.0	.000E 00	.000E 00	.000E 00	4.238E-07	1.256E-06	2.103E-08
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	2.079E-08	7.675E-07	2.548E-07
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	8.020E-10	1.334E-07	7.660E-08
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	1.227E-07	4.742E-09
TOTAL ENERGY DEPOSITION/SEC	9.604E 01	.000E 00	.000E 00	6.567E 03	1.274E 04	7.333E 03

TABLE VII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

2.480E-02 TO 6.760E-02 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	9.440E-05	2.188E-05
40.0 - 60.0	.000E 00	.000E 00	1.629E-05	5.525E-06
60.0 - 80.0	.000E 00	.000E 00	2.540E-05	1.389E-05
80.0 - 100.0	2.138E-04	.000E 00	8.035E-06	7.310E-06
100.0 - 125.0	.000E 00	.000E 00	1.812E-05	1.211E-05
125.0 - 150.0	1.012E-05	5.280E-06	3.330E-05	8.240E-06
150.0 - 175.0	1.325E-07	2.875E-05	3.163E-05	7.500E-06
175.0 - 200.0	2.658E-07	3.228E-06	2.454E-05	7.185E-06
200.0 - 250.0	2.750E-07	7.455E-06	1.652E-05	6.405E-06
250.0 - 300.0	2.409E-08	1.052E-05	1.255E-05	4.637E-06
300.0 - 350.0	3.537E-06	1.248E-05	9.490E-06	4.436E-06
350.0 - 400.0	3.959E-06	9.005E-06	7.525E-06	3.064E-06
400.0 - 450.0	7.175E-06	5.775E-06	4.321E-06	2.286E-06
450.0 - 500.0	1.110E-07	2.726E-06	2.605E-06	1.483E-06
500.0 - 600.0	4.583E-06	1.224E-07	2.135E-06	9.480E-07
600.0 - 800.0	9.710E-07	5.850E-07	6.270E-07	3.716E-07
800.0 - 1000.0	6.455E-08	4.654E-07	2.344E-07	1.104E-07
1000.0 - 1200.0	2.342E-08	1.215E-07	5.185E-08	4.853E-08
1200.0 - 1500.0	4.816E-08	2.756E-08	2.198E-08	1.258E-08
TOTAL ENERGY DEPOSITION/SEC	5.415E 03	5.999E 03	6.549E 03	3.024E 03

TABLE VIII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.0676 TO 0.184 MeV

($keV\ m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00

TABLE VIII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

6.760E-02 TO 1.840E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00

TABLE VIII. (Continued)

(keV $m^{-3} sec^{-1}$ / source neutron)

6.760E-02 TO 1.840E-01 MEV SECONDARY GAMMAS

DELAY TIME (SEC)

RADIAL DISTANCE INTERVAL (METERS)	5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	3.424E-04	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	2.823E-04	.000E 00	6.650E-04	1.624E-04	3.098E-04	.000E 00
125.0 - 150.0	1.120E-04	.000E 00	.000E 00	.000E 00	.000E 00	1.979E-06
150.0 - 175.0	7.195E-06	.000E 00	.000E 00	1.060E-04	.000E 00	5.190E-04
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	6.405E-05	3.914E-06
200.0 - 250.0	5.485E-04	.000E 00	9.345E-07	.000E 00	2.469E-05	1.386E-06
250.0 - 300.0	1.185E-06	.000E 00	1.052E-04	3.956E-05	3.040E-05	4.714E-07
300.0 - 350.0	.000E 00	.000E 00	6.505E-08	2.621E-05	2.198E-05	1.885E-07
350.0 - 400.0	.000E 00	.000E 00	.000E 00	3.164E-05	1.344E-06	5.445E-10
400.0 - 450.0	.000E 00	.000E 00	5.995E-07	2.058E-05	5.910E-06	.000E 00
450.0 - 500.0	.000E 00	2.725E-05	1.898E-05	1.043E-06	2.231E-05	5.635E-08
500.0 - 600.0	.000E 00	.000E 00	1.091E-07	1.233E-06	2.548E-06	1.335E-07
600.0 - 800.0	.000E 00	2.693E-06	1.618E-06	4.881E-08	1.008E-06	1.121E-06
800.0 - 1000.0	.000E 00	1.458E-06	1.193E-07	1.045E-08	9.845E-08	.000E 00
1000.0 - 1200.0	.000E 00	6.460E-08	.000E 00	.000E 00	4.399E-07	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	2.696E-10	.000E 00
TOTAL ENERGY DEPOSITION/SEC	2.013E 04	1.038E 04	1.275E 04	1.100E 04	1.336E 04	5.895E 03

TABLE VIII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

6.760E-02 TO 1.840E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	1.676E-07
20.0 - 40.0	.000E 00	.000E 00	.000E 00	5.650E-06
40.0 - 60.0	.000E 00	1.845E-05	.000E 00	3.433E-06
60.0 - 80.0	1.968E-04	2.159E-04	1.134E-05	4.890E-06
80.0 - 100.0	.000E 00	7.020E-07	2.628E-05	8.160E-06
100.0 - 125.0	3.685E-05	4.886E-06	2.018E-05	5.675E-06
125.0 - 150.0	.000E 00	4.567E-05	2.611E-05	8.940E-06
150.0 - 175.0	2.516E-05	1.671E-05	2.350E-05	8.150E-06
175.0 - 200.0	8.020E-06	2.237E-05	1.987E-05	7.265E-06
200.0 - 250.0	7.710E-06	8.170E-06	1.081E-05	5.300E-06
250.0 - 300.0	9.755E-06	3.049E-06	1.305E-05	4.131E-06
300.0 - 350.0	8.265E-06	8.665E-07	9.415E-06	3.586E-06
350.0 - 400.0	8.325E-06	1.622E-06	7.610E-06	2.957E-06
400.0 - 450.0	2.802E-06	2.934E-06	4.334E-06	1.862E-06
450.0 - 500.0	5.020E-06	1.063E-06	2.905E-06	1.499E-06
500.0 - 600.0	1.269E-06	2.057E-06	1.863E-06	1.059E-06
600.0 - 800.0	9.185E-07	3.741E-07	8.265E-07	4.441E-07
800.0 - 1000.0	2.590E-07	3.675E-07	3.117E-07	1.380E-07
1000.0 - 1200.0	2.084E-07	2.967E-07	7.800E-08	4.123E-08
1200.0 - 1500.0	9.460E-08	4.572E-08	1.772E-08	1.274E-08
TOTAL ENERGY DEPOSITION/SEC	7.157E 03	5.270E 03	6.622E 03	2.991E 03

TABLE IX. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.184 RO 0.303 MeV

(keV $m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00

TABLE IX. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.840E-01 TO 3.030E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	6.005E-05	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	7.580E-08	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	1.657E-08	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	7.555E-09	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	1.330E-06	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	2.750E-09	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	2.438E 03	.000E 00

TABLE IX. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.840E-01 TO 3.030E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	2.592E-04
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	2.991E-04	.000E 00	1.422E-05
150.0 - 175.0	.000E 00	.000E 00	.000E 00	2.029E-04	.000E 00	4.430E-06
175.0 - 200.0	.000E 00	.000E 00	.000E 00	8.430E-06	1.223E-04	4.175E-07
200.0 - 250.0	.000E 00	.000E 00	.000E 00	6.585E-06	5.925E-07	5.350E-07
250.0 - 300.0	.000E 00	.000E 00	.000E 00	1.860E-06	2.144E-07	1.599E-05
300.0 - 350.0	.000E 00	.000E 00	.000E 00	2.170E-05	.000E 00	3.627E-06
350.0 - 400.0	.000E 00	.000E 00	.000E 00	8.020E-06	.000E 00	1.361E-05
400.0 - 450.0	.000E 00	.000E 00	.000E 00	2.865E-06	1.235E-05	4.986E-07
450.0 - 500.0	.000E 00	.000E 00	.000E 00	1.076E-05	1.784E-06	3.839E-07
500.0 - 600.0	.000E 00	.000E 00	5.205E-06	7.500E-06	9.660E-06	3.801E-06
600.0 - 800.0	.000E 00	.000E 00	3.083E-07	7.795E-07	4.760E-07	6.050E-07
800.0 - 1000.0	.000E 00	.000E 00	2.867E-08	5.980E-07	1.897E-08	1.686E-07
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	1.391E-07
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	2.424E 03	1.291E 04	7.348E 03	5.959E 03

TABLE IX. (Continued)

(keV $m^{-3}sec^{-1}$/source neutron)

1.840E-01 TO 3.030E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	6.245E-06
40.0 - 60.0	.000E 00	.000E 00	.000E 00	8.165E-06
60.0 - 80.0	4.883E-07	.000E 00	3.803E-05	6.210E-06
80.0 - 100.0	1.974E-04	.000E 00	1.496E-05	6.140E-06
100.0 - 125.0	1.012E-06	4.057E-05	1.500E-06	5.610E-06
125.0 - 150.0	.000E 00	3.042E-05	2.029E-07	4.669E-06
150.0 - 175.0	4.469E-06	3.296E-05	1.223E-05	5.510E-06
175.0 - 200.0	.000E 00	3.804E-06	1.641E-05	6.365E-06
200.0 - 250.0	7.810E-08	1.263E-05	8.975E-06	4.524E-06
250.0 - 300.0	1.205E-07	8.625E-06	1.202E-05	4.521E-06
300.0 - 350.0	1.688E-05	5.265E-06	7.920E-06	3.027E-06
350.0 - 400.0	9.740E-06	7.765E-06	4.978E-06	2.602E-06
400.0 - 450.0	7.800E-07	5.490E-06	5.105E-06	1.878E-06
450.0 - 500.0	8.730E-06	4.760E-06	4.112E-06	1.413E-06
500.0 - 600.0	4.010E-06	2.292E-06	2.304E-06	1.003E-06
600.0 - 800.0	1.659E-06	6.830E-07	9.635E-07	4.338E-07
800.0 - 1000.0	1.091E-07	4.381E-07	3.118E-07	1.151E-07
1000.0 - 1200.0	1.235E-07	4.926E-09	9.045E-08	5.330E-08
1200.0 - 1500.0	8.950E-09	3.800E-09	1.420E-08	1.494E-08
TOTAL ENERGY DEPOSITION/SEC	8.013E 03	6.467E 03	6.442E 03	2.820E 03

TABLE X. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.303 TO 0.50 MeV

(keV $m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	6.660E-05	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	2.182E-03	.000E 00	3.294E-06
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	1.118E-05	1.532E-06
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	3.754E-06	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	6.969E 04	1.519E 03	1.782E 02

TABLE X. (Continued)

(keV $m^{-3} sec^{-1}$ / source neutron)

3.030E-01 TO 5.000E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	1.655E-04	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	4.786E-03	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	2.760E-05	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	2.960E-03	1.211E-06	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	4.099E-07	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	9.715E-04	8.445E-07	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	2.391E-04	4.539E-06	.000E 00	.000E 00
200.0 - 250.0	3.804E-06	.000E 00	1.012E-04	4.981E-07	.000E 00	.000E 00
250.0 - 300.0	1.005E-06	.000E 00	.000E 00	1.076E-07	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	1.183E-05	1.759E-07	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	1.519E-05	5.780E-08	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	9.065E-07	1.446E-05	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	2.851E-06	1.206E-05	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	3.642E-06	1.112E-06	5.495E-06	6.505E-11
600.0 - 800.0	.000E 00	.000E 00	1.574E-08	7.495E-09	2.747E-07	9.730E-08
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	7.820E-06
1000.0 - 1200.0	.000E 00	.000E 00	3.657E-06	.000E 00	.000E 00	9.075E-12
1200.0 - 1500.0	.000E 00	.000E 00	3.181E-08	2.987E-08	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	1.694E 02	.000E 00	4.723E 04	4.152E 03	2.434E 03	1.610E 04

TABLE X. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

3.030E-01 TO 5.000E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	2.050E-03	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	2.171E-04	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	3.808E-05	.000E 00	1.117E-06	9.665E-07
250.0 - 300.0	2.719E-04	.000E 00	3.500E-05	.000E 00	2.816E-05	1.568E-05
300.0 - 350.0	.000E 00	.000E 00	2.000E-06	.000E 00	1.392E-07	5.725E-05
350.0 - 400.0	.000E 00	.000E 00	3.205E-05	.000E 00	2.681E-07	5.285E-06
400.0 - 450.0	.000E 00	.000E 00	3.221E-07	.000E 00	2.237E-06	6.830E-07
450.0 - 500.0	.000E 00	.000E 00	1.757E-07	.000E 00	2.134E-05	7.000E-07
500.0 - 600.0	1.078E-05	.000E 00	6.965E-07	2.747E-11	3.524E-06	9.210E-06
600.0 - 800.0	2.316E-06	7.410E-08	3.561E-08	1.608E-06	1.215E-06	1.963E-07
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	9.125E-07	7.660E-09
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	3.703E-08	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	2.302E-12	.000E 00
TOTAL ENERGY DEPOSITION/SEC	1.994E 04	9.185E 01	6.224E 03	1.994E 03	1.169E 04	8.998E 03

TABLE X. (Continued)

(keV $m^{-3}sec^{-1}$/source neutron)

3.030E-01 TO 5.000E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	1.539E-05	4.687E-07
20.0 - 40.0	.000E 00	.000E 00	9.665E-06	8.960E-06
40.0 - 60.0	.000E 00	.000E 00	9.320E-05	7.455E-07
60.0 - 80.0	.000E 00	1.237E-07	1.205E-06	4.466E-06
80.0 - 100.0	.000E 00	7.175E-05	3.511E-05	5.285E-06
100.0 - 125.0	2.713E-05	2.018E-05	1.069E-05	5.680E-06
125.0 - 150.0	.000E 00	3.236E-05	1.512E-05	4.752E-06
150.0 - 175.0	3.208E-05	2.896E-06	7.760E-06	5.050E-06
175.0 - 200.0	2.674E-06	7.370E-06	1.195E-05	4.503E-06
200.0 - 250.0	4.034E-05	1.915E-05	1.387E-05	4.593E-06
250.0 - 300.0	2.022E-05	7.800E-07	6.330E-06	4.063E-06
300.0 - 350.0	1.283E-05	7.715E-06	4.638E-06	3.602E-06
350.0 - 400.0	1.353E-05	8.645E-06	4.993E-06	2.715E-06
400.0 - 450.0	4.747E-06	9.185E-06	4.260E-06	2.269E-06
450.0 - 500.0	5.110E-08	1.165E-06	2.594E-06	1.682E-06
500.0 - 600.0	1.379E-07	3.305E-06	1.409E-06	1.013E-06
600.0 - 800.0	3.879E-07	9.490E-07	9.275E-07	4.026E-07
800.0 - 1000.0	2.200E-07	3.042E-07	3.321E-07	1.339E-07
1000.0 - 1200.0	2.214E-08	5.165E-08	1.100E-07	4.155E-08
1200.0 - 1500.0	1.273E-07	3.541E-09	3.346E-08	1.371E-08
TOTAL ENERGY DEPOSITION/SEC	7.182E 03	6.902E 03	5.745E 03	2.859E 03

TABLE XI. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.50 TO 0.823 MeV

(keV $m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	1.868E-03	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	1.180E-03	1.234E-03
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	4.205E-06
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	6.625E-04	1.842E-06
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	1.489E-05	1.596E-06
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	8.575E-05	3.396E-07
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	6.850E-06	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	6.685E-07
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	3.954E-08
600.0 - 800.0	.000E 00	.000E 00	.000E 00	1.128E-05	1.121E-06	9.305E-08
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	1.777E-07
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	2.072E-06	7.010E-08
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	1.398E 04	2.940E 04	8.278E 03

TABLE XI. (Continued)

($keV\ m^{-3}\ sec^{-1}$/source neutron)

5.000E-01 TO 8.230E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	1.682E-04	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	3.545E-03	1.936E-03	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	1.309E-04	.000E 00	3.920E-07
80.0 - 100.0	.000E 00	1.760E-03	.000E 00	3.846E-05	1.448E-06	9.990E-07
100.0 - 125.0	.000E 00	4.975E-06	9.500E-04	3.436E-04	2.215E-05	4.932E-06
125.0 - 150.0	5.800E-04	9.585E-05	1.907E-06	1.293E-04	2.542E-04	7.830E-05
150.0 - 175.0	4.482E-04	3.637E-06	2.894E-05	8.150E-07	6.995E-07	1.207E-06
175.0 - 200.0	3.068E-04	9.425E-07	2.352E-04	5.875E-04	5.640E-06	2.444E-06
200.0 - 250.0	1.498E-07	1.097E-04	2.823E-06	2.180E-05	2.340E-05	7.380E-05
250.0 - 300.0	3.136E-06	4.192E-07	1.360E-06	1.487E-05	9.325E-05	.000E 00
300.0 - 350.0	3.487E-07	4.593E-05	5.135E-07	1.966E-07	1.146E-06	3.516E-08
350.0 - 400.0	2.180E-06	1.377E-06	6.965E-07	2.140E-06	3.561E-06	2.140E-06
400.0 - 450.0	1.001E-06	5.255E-07	1.250E-06	1.948E-05	2.772E-06	3.398E-05
450.0 - 500.0	1.771E-07	.000E 00	2.522E-07	2.503E-05	1.633E-07	4.670E-08
500.0 - 600.0	7.350E-08	9.575E-06	6.455E-06	1.992E-05	4.537E-06	1.357E-06
600.0 - 800.0	.000E 00	3.090E-06	4.518E-08	1.226E-06	1.915E-07	4.527E-07
800.0 - 1000.0	1.604E-08	2.998E-07	6.855E-09	2.681E-07	2.914E-06	1.795E-07
1000.0 - 1200.0	1.871E-08	1.436E-07	.000E 00	9.650E-08	9.950E-09	3.327E-08
1200.0 - 1500.0	.000E 00	.000E 00	4.767E-07	1.705E-07	1.361E-07	6.680E-08
TOTAL ENERGY DEPOSITION/SEC	1.120E 04	1.952E 04	1.515E 04	2.866E 04	1.649E 04	8.949E 03

TABLE XI. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

5.000E-01 TO 8.230E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	6.290E-10	.000E 00	.000E 00	.000E 00	1.027E-05	.000E 00
200.0 - 250.0	4.891E-09	.000E 00	.000E 00	2.553E-07	1.244E-06	.000E 00
250.0 - 300.0	1.334E-09	.000E 00	.000E 00	2.689E-07	2.681E-05	.000E 00
300.0 - 350.0	3.243E-08	.000E 00	8.030E-06	4.073E-06	.000E 00	3.895E-07
350.0 - 400.0	4.102E-09	.000E 00	5.345E-09	1.810E-05	.000E 00	4.761E-05
400.0 - 450.0	1.114E-07	8.890E-08	1.237E-07	.000E 00	.000E 00	4.253E-07
450.0 - 500.0	2.272E-05	1.013E-07	1.624E-05	3.618E-07	7.410E-06	1.912E-07
500.0 - 600.0	5.655E-06	3.077E-06	5.725E-06	4.868E-06	1.649E-07	3.621E-06
600.0 - 800.0	1.436E-06	9.235E-07	7.100E-07	1.715E-06	1.270E-06	1.094E-06
800.0 - 1000.0	5.165E-07	.000E 00	.000E 00	5.100E-07	6.765E-08	.000E 00
1000.0 - 1200.0	3.155E-08	.000E 00	.000E 00	3.392E-07	1.794E-09	.000E 00
1200.0 - 1500.0	5.680E-08	.000E 00	.000E 00	3.311E-09	.000E 00	1.504E-08
TOTAL ENERGY DEPOSITION/SEC	8.719E 03	2.342E 03	5.916E 03	8.027E 03	4.263E 03	7.155E 03

TABLE XI. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

5.000E-01 TO 8.230E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	5.165E-05
20.0 - 40.0	.000E 00	.000E 00	.000E 00	6.980E-06
40.0 - 60.0	.000E 00	.000E 00	1.383E-06	4.503E-06
60.0 - 80.0	.000E 00	.000E 00	.000E 00	3.810E-06
80.0 - 100.0	.000E 00	1.124E-06	1.739E-05	3.649E-06
100.0 - 125.0	.000E 00	3.162E-05	8.140E-06	3.001E-06
125.0 - 150.0	.000E 00	8.870E-06	6.830E-07	4.924E-06
150.0 - 175.0	.000E 00	1.371E-06	4.428E-06	4.112E-06
175.0 - 200.0	.000E 00	2.177E-05	3.932E-06	3.372E-06
200.0 - 250.0	.000E 00	1.458E-05	5.055E-06	3.232E-06
250.0 - 300.0	.000E 00	4.054E-06	8.530E-06	3.273E-06
300.0 - 350.0	6.955E-06	1.361E-06	4.448E-06	2.833E-06
350.0 - 400.0	1.120E-06	2.777E-06	3.004E-06	2.297E-06
400.0 - 450.0	1.560E-06	4.864E-06	3.620E-06	1.611E-06
450.0 - 500.0	.000E 00	2.493E-06	3.090E-06	1.514E-06
500.0 - 600.0	1.191E-06	2.065E-06	2.030E-06	1.070E-06
600.0 - 800.0	1.226E-06	8.680E-07	1.047E-06	5.495E-07
800.0 - 1000.0	6.645E-07	4.713E-07	2.830E-07	1.555E-07
1000.0 - 1200.0	1.995E-08	5.815E-08	1.379E-07	6.760E-08
1200.0 - 1500.0	8.845E-10	3.747E-08	2.034E-08	1.808E-08
TOTAL ENERGY DEPOSITION/SEC	4.138E 03	5.598E 03	5.345E 03	2.918E 03

TABLE XII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.823 TO 1.353 MeV

($keV\ m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	1.186E-05	8.330E-07	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	6.035E-06	.000E 00	.000E 00
200.0 - 250.0	8.475E-04	.000E 00	.000E 00	.000E 00	3.696E-07	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	4.527E-07	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	6.145E-08	2.832E-07
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	2.707E 04	.000E 00	.000E 00	1.653E 02	1.064E 02	1.079E 02

TABLE XII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

8.230E-01 TO 1.353E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	2.739E-05	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	1.360E-03	.000E 00	.000E 00	3.659E-04	.000E 00
80.0 - 100.0	1.339E-03	.000E 00	.000E 00	.000E 00	.000E 00	1.664E-08
100.0 - 125.0	.000E 00	1.885E-05	4.309E-04	1.796E-04	7.600E-06	1.669E-05
125.0 - 150.0	.000E 00	.000E 00	.000E 00	1.151E-04	1.934E-06	3.703E-04
150.0 - 175.0	.000E 00	.000E 00	2.513E-06	2.945E-05	2.849E-05	1.606E-05
175.0 - 200.0	.000E 00	2.985E-07	8.945E-06	1.366E-07	2.518E-07	9.130E-08
200.0 - 250.0	.000E 00	2.503E-06	7.225E-05	5.475E-05	1.648E-04	5.905E-05
250.0 - 300.0	7.250E-05	5.675E-07	3.888E-06	2.843E-05	2.074E-05	5.685E-06
300.0 - 350.0	2.792E-06	4.119E-07	4.417E-07	3.066E-05	2.096E-05	1.396E-05
350.0 - 400.0	.000E 00	4.228E-05	2.061E-07	1.797E-05	1.336E-05	1.204E-05
400.0 - 450.0	2.473E-05	1.887E-07	9.595E-08	6.410E-07	4.560E-07	2.581E-05
450.0 - 500.0	2.254E-07	.000E 00	5.095E-08	4.785E-07	2.863E-07	1.445E-05
500.0 - 600.0	1.354E-08	2.041E-08	8.090E-09	4.083E-06	2.866E-06	7.530E-06
600.0 - 800.0	4.463E-09	1.459E-07	1.754E-06	4.889E-07	2.929E-06	8.275E-07
800.0 - 1000.0	.000E 00	.000E 00	9.870E-08	3.206E-07	2.149E-07	5.120E-07
1000.0 - 1200.0	.000E 00	.000E 00	2.922E-08	2.488E-07	3.371E-07	1.503E-07
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	8.255E-08	1.047E-08	1.920E-09
TOTAL ENERGY DEPOSITION/SEC	9.230E 03	5.869E 03	6.867E 03	1.267E 04	1.592E 04	1.696E 04

TABLE XII. (Continued)

. (keV $m^{-3} sec^{-1}$/source neutron

8.230E-01 TO 1.353E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	4.155E-06
80.0 - 100.0	.000E 00	.000E 00	1.521E-05	.000E 00	.000E 00	1.379E-06
100.0 - 125.0	.000E 00	.000E 00	4.386E-05	.000E 00	.000E 00	5.705E-07
125.0 - 150.0	.000E 00	.000E 00	8.315E-06	2.828E-04	.000E 00	4.506E-07
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	5.200E-07	.000E 00	2.456E-04	.000E 00	.000E 00	.000E 00
200.0 - 250.0	4.362E-07	2.867E-07	.000E 00	3.992E-06	.000E 00	6.890E-07
250.0 - 300.0	6.020E-05	1.558E-06	3.397E-05	1.001E-07	1.875E-05	1.835E-07
300.0 - 350.0	2.016E-05	2.413E-07	1.581E-06	6.575E-07	2.884E-06	2.001E-05
350.0 - 400.0	2.277E-06	1.220E-05	4.325E-07	9.900E-08	1.426E-05	7.635E-06
400.0 - 450.0	1.700E-05	7.020E-09	9.085E-08	1.899E-07	2.350E-06	9.325E-08
450.0 - 500.0	2.016E-06	6.735E-06	1.882E-05	7.710E-06	2.871E-06	1.058E-05
500.0 - 600.0	1.100E-06	1.301E-05	3.092E-06	3.829E-06	1.827E-06	1.938E-06
600.0 - 800.0	1.681E-06	9.905E-07	7.535E-08	1.795E-06	3.322E-08	.000E 00
800.0 - 1000.0	3.168E-07	1.606E-06	2.370E-07	3.836E-07	1.123E-07	2.726E-07
1000.0 - 1200.0	4.703E-07	1.743E-07	3.963E-08	5.465E-07	4.982E-09	1.553E-07
1200.0 - 1500.0	5.325E-08	1.416E-07	5.200E-07	3.092E-08	.000E 00	5.775E-09
TOTAL ENERGY DEPOSITION/SEC	1.160E 04	1.311E 04	1.288E 04	9.334E 03	4.004E 03	5.371E 03

TABLE XII. (Continued)

(keV $m^{-3} sec^{-1}$ / source neutron

8.230E-01 TO 1.353E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	2.245E-08
20.0 - 40.0	.000E 00	.000E 00	.000E 00	9.540E-06
40.0 - 60.0	.000E 00	3.449E-07	7.270E-07	3.147E-06
60.0 - 80.0	.000E 00	1.159E-07	1.053E-06	7.615E-06
80.0 - 100.0	.000E 00	6.160E-06	1.538E-05	1.029E-06
100.0 - 125.0	.000E 00	4.191E-05	8.475E-06	1.741E-06
125.0 - 150.0	3.681E-05	7.725E-07	1.098E-05	2.628E-06
150.0 - 175.0	.000E 00	3.057E-05	1.132E-05	4.059E-06
175.0 - 200.0	2.523E-08	1.137E-09	6.095E-06	1.860E-06
200.0 - 250.0	9.275E-06	9.245E-07	3.692E-06	2.236E-06
250.0 - 300.0	2.435E-06	4.596E-06	8.180E-06	2.341E-06
300.0 - 350.0	1.389E-05	4.217E-06	5.045E-06	1.866E-06
350.0 - 400.0	2.880E-08	3.893E-06	3.451E-06	1.785E-06
400.0 - 450.0	1.476E-07	1.185E-06	3.863E-06	1.850E-06
450.0 - 500.0	9.275E-08	3.711E-06	2.593E-06	1.270E-06
500.0 - 600.0	2.779E-06	2.439E-06	2.136E-06	9.390E-07
600.0 - 800.0	1.717E-06	4.486E-07	9.245E-07	4.989E-07
800.0 - 1000.0	2.232E-07	2.383E-07	4.137E-07	1.655E-07
1000.0 - 1200.0	1.713E-07	2.201E-08	1.834E-07	7.125E-08
1200.0 - 1500.0	5.215E-08	2.321E-08	6.940E-08	2.360E-08
TOTAL ENERGY DEPOSITION/SEC	6.116E 03	4.174E 03	6.094E 03	2.643E 03

TABLE XIII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 1.353 TO 1.738 MeV

(keV $m^{-3} sec^{-1}$ / source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	2.226E-02	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	8.515E-03
60.0 - 80.0	.000E 00	.000E 00	2.264E-02	.000E 00	.000E 00	1.893E-04
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	1.034E-06
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	1.136E-03	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	1.811E-04	5.450E-06
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	4.203E-05	1.531E-06
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	4.962E-04
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	9.455E-05	1.772E-04
250.0 - 300.0	3.939E-04	.000E 00	.000E 00	2.179E-04	1.176E-06	1.547E-06
300.0 - 350.0	.000E 00	.000E 00	.000E 00	7.320E-06	2.644E-07	1.183E-06
350.0 - 400.0	.000E 00	.000E 00	.000E 00	4.163E-06	2.246E-05	1.065E-04
400.0 - 450.0	.000E 00	.000E 00	.000E 00	8.085E-07	8.335E-08	2.035E-07
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	1.668E-07	2.380E-07
500.0 - 600.0	1.332E-06	.000E 00	.000E 00	.000E 00	1.939E-08	4.042E-06
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	4.662E-07	5.805E-09
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	3.830E-08
1000.0 - 1200.0	2.788E-06	8.020E-08	1.214E-07	1.379E-08	1.198E-08	7.595E-09
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	3.240E-06	2.939E-08	7.695E-07
TOTAL ENERGY DEPOSITION/SEC	2.778E 04	2.445E 02	2.844E 04	3.373E 04	1.713E 04	3.345E 04

TABLE XIII. (Continued)

(keV $m^{-3}sec^{-1}$/source neutron)

1.353E 00 TO 1.738E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	2.654E-05	.000E 00	2.402E-04	.000E 00	1.883E-04	.000E 00
40.0 - 60.0	3.257E-04	.000E 00	3.346E-03	.000E 00	.000E 00	.000E 00
60.0 - 80.0	1.953E-03	3.771E-07	3.486E-06	4.239E-04	1.750E-07	.000E 00
80.0 - 100.0	.000E 00	2.496E-03	8.920E-04	6.050E-06	5.440E-07	.000E 00
100.0 - 125.0	6.540E-04	1.313E-06	1.171E-05	2.984E-06	4.366E-07	.000E 00
125.0 - 150.0	3.819E-07	5.550E-06	1.195E-06	1.758E-04	1.116E-06	6.080E-05
150.0 - 175.0	.000E 00	2.729E-04	5.060E-08	1.731E-04	2.476E-04	6.490E-08
175.0 - 200.0	.000E 00	5.500E-05	7.990E-06	2.840E-04	2.961E-05	7.705E-08
200.0 - 250.0	9.355E-09	8.400E-05	1.636E-06	3.617E-05	2.026E-05	1.332E-05
250.0 - 300.0	2.571E-05	1.399E-04	4.073E-05	3.088E-05	2.791E-05	2.752E-05
300.0 - 350.0	3.261E-05	2.673E-06	2.594E-05	1.976E-05	6.195E-06	1.092E-06
350.0 - 400.0	1.460E-05	1.979E-06	7.695E-07	9.735E-07	2.842E-05	1.951E-05
400.0 - 450.0	8.985E-07	5.135E-06	7.240E-06	1.211E-05	1.924E-06	2.477E-07
450.0 - 500.0	3.197E-06	1.667E-05	1.894E-06	5.415E-07	1.063E-05	2.931E-06
500.0 - 600.0	6.940E-06	6.460E-06	4.021E-08	2.564E-06	6.430E-06	5.835E-06
600.0 - 800.0	2.258E-07	3.055E-07	2.126E-07	1.428E-06	2.137E-06	4.108E-06
800.0 - 1000.0	1.173E-07	3.789E-08	2.001E-08	5.340E-07	5.760E-07	8.570E-07
1000.0 - 1200.0	6.935E-10	1.329E-06	1.790E-12	2.728E-08	8.730E-08	1.100E-07
1200.0 - 1500.0	4.303E-07	2.377E-08	7.240E-09	4.869E-10	1.009E-07	7.200E-08
TOTAL ENERGY DEPOSITION/SEC	1.663E 04	2.780E 04	9.404E 03	1.558E 04	1.631E 04	1.425E 04

TABLE XIII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.353E 00 TO 1.738E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	2.576E-04	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	5.405E-05	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	3.825E-06	2.642E-05	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	1.459E-05	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	2.607E-05	1.699E-07	.000E 00	2.379E-05	1.924E-09	.000E 00
350.0 - 400.0	7.350E-06	3.023E-06	1.614E-07	1.232E-05	6.805E-06	.000E 00
400.0 - 450.0	7.040E-06	1.475E-07	3.997E-07	1.205E-08	4.414E-07	7.755E-06
450.0 - 500.0	3.490E-06	5.405E-06	4.113E-07	5.425E-07	3.082E-06	.000E 00
500.0 - 600.0	1.399E-05	2.326E-06	6.955E-07	4.422E-06	2.533E-06	3.875E-07
600.0 - 800.0	1.611E-06	1.911E-06	1.321E-08	2.101E-06	3.132E-07	1.074E-06
800.0 - 1000.0	1.645E-06	1.373E-07	5.920E-08	1.136E-07	1.516E-07	1.123E-06
1000.0 - 1200.0	5.590E-07	4.257E-07	2.800E-07	1.301E-07	6.855E-09	1.855E-08
1200.0 - 1500.0	1.161E-07	2.027E-09	2.490E-07	1.000E-08	2.775E-07	1.370E-08
TOTAL ENERGY DEPOSITION/SEC	1.932E 04	6.754E 03	3.092E 03	7.740E 03	4.689E 03	4.806E 03

TABLE XIII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.353E 00 TO 1.738E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	1.800E-07
40.0 - 60.0	.000E 00	.000E 00	.000E 00	1.377E-06
60.0 - 80.0	.000E 00	.000E 00	1.133E-06	1.392E-06
80.0 - 100.0	.000E 00	.000E 00	1.287E-07	2.816E-06
100.0 - 125.0	.000E 00	.000E 00	1.132E-05	1.135E-06
125.0 - 150.0	.000E 00	1.866E-06	1.846E-06	2.919E-06
150.0 - 175.0	4.122E-06	2.038E-05	1.170E-07	1.473E-06
175.0 - 200.0	3.959E-07	3.124E-06	2.051E-06	1.380E-06
200.0 - 250.0	1.495E-06	1.942E-07	3.064E-06	1.928E-06
250.0 - 300.0	1.969E-05	1.475E-07	5.910E-06	1.561E-06
300.0 - 350.0	4.876E-06	7.000E-06	3.750E-06	1.719E-06
350.0 - 400.0	7.090E-06	5.740E-06	2.130E-06	1.499E-06
400.0 - 450.0	2.948E-06	3.083E-06	2.993E-06	1.063E-06
450.0 - 500.0	7.115E-08	2.939E-06	1.082E-06	9.695E-07
500.0 - 600.0	1.606E-06	1.721E-06	2.478E-06	8.105E-07
600.0 - 800.0	4.325E-07	8.140E-07	1.076E-06	4.201E-07
800.0 - 1000.0	4.712E-07	8.725E-07	4.436E-07	1.841E-07
1000.0 - 1200.0	3.707E-07	3.019E-07	1.876E-07	7.770E-08
1200.0 - 1500.0	1.627E-08	1.177E-07	5.920E-08	2.147E-08
TOTAL ENERGY DEPOSITION/SEC	5.676E 03	7.151E 03	5.559E 03	2.290E 03

TABLE XIV. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 1.738 TO 2.232 MeV

(keV $m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	3.541E-02	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	4.496E-03	5.025E-03
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	2.930E-05
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	8.395E-05	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	3.685E-07
200.0 - 250.0	.000E 00	3.627E-04	.000E 00	2.042E-04	6.325E-05	1.252E-04
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	2.596E-05	5.115E-07
350.0 - 400.0	2.907E-04	.000E 00	.000E 00	.000E 00	3.619E-05	1.386E-05
400.0 - 450.0	.000E 00	.000E 00	.000E 00	5.435E-05	2.783E-05	7.470E-05
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	2.224E-07	1.314E-06
500.0 - 600.0	.000E 00	.000E 00	2.302E-05	1.032E-07	4.169E-08	1.271E-06
600.0 - 800.0	.000E 00	.000E 00	.000E 00	3.131E-06	3.944E-09	3.544E-06
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	5.075E-07	1.002E-06	1.080E-06
1000.0 - 1200.0	.000E 00	.000E 00	4.125E-06	3.401E-06	8.930E-08	2.729E-08
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	1.269E-06	2.755E-08	2.838E-08
TOTAL ENERGY DEPOSITION/SEC	2.572E 04	1.159E 04	2.966E 04	3.678E 04	1.587E 04	2.456E 04

TABLE XIV.. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron

1.738E 00 TO 2.232E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	4.012E-04	1.006E-05	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	9.025E-05	9.480E-06	1.190E-03	3.889E-05	.000E 00	.000E 00
60.0 - 80.0	1.989E-03	1.171E-05	6.215E-07	4.411E-04	.000E 00	1.673E-05
80.0 - 100.0	5.785E-06	4.739E-06	2.834E-04	5.530E-06	8.190E-05	1.723E-04
100.0 - 125.0	8.310E-04	8.400E-04	1.813E-06	2.010E-04	9.130E-05	.000E 00
125.0 - 150.0	4.073E-04	2.614E-04	6.710E-04	8.590E-05	7.560E-06	1.036E-06
150.0 - 175.0	2.185E-05	9.950E-07	4.868E-04	9.145E-05	1.411E-07	3.798E-05
175.0 - 200.0	4.186E-04	5.125E-05	5.180E-06	7.780E-05	4.609E-07	1.706E-04
200.0 - 250.0	9.060E-05	1.795E-04	1.265E-05	8.080E-05	4.467E-05	2.542E-05
250.0 - 300.0	1.042E-04	5.035E-05	4.474E-05	1.327E-05	1.244E-05	6.230E-05
300.0 - 350.0	2.502E-05	2.626E-05	5.285E-05	2.647E-05	1.175E-05	1.947E-05
350.0 - 400.0	8.085E-05	7.995E-08	2.559E-05	1.466E-05	6.305E-06	2.017E-05
400.0 - 450.0	3.900E-07	2.550E-08	2.181E-06	1.312E-05	1.416E-05	9.555E-06
450.0 - 500.0	4.816E-07	7.950E-07	2.606E-05	3.092E-06	4.285E-06	7.910E-06
500.0 - 600.0	7.325E-06	8.110E-06	5.930E-06	4.505E-06	7.200E-06	6.305E-06
600.0 - 800.0	2.539E-06	3.210E-06	2.423E-06	3.579E-06	1.828E-06	1.711E-06
800.0 - 1000.0	1.342E-06	6.060E-07	2.948E-06	1.481E-06	3.526E-07	2.314E-07
1000.0 - 1200.0	4.011E-07	2.166E-07	6.305E-07	1.128E-07	1.743E-07	1.274E-07
1200.0 - 1500.0	1.858E-08	8.770E-08	2.751E-08	9.575E-08	5.460E-08	6.200E-08
TOTAL ENERGY DEPOSITION/SEC	4.001E 04	2.509E 04	3.511E 04	2.190E 04	1.280E 04	1.747E 04

TABLE XIV. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.738E 00 TO 2.232E 00 MEV SECONDARY GAMMAS
DELAY TIME (SEC)

RADIAL DISTANCE INTERVAL (METERS)	5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	1.017E-05	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	1.376E-05	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	9.575E-05	.000E 00	.000E 00	.000E 00
100.0 - 125.0	2.369E-07	.000E 00	7.170E-06	.000E 00	.000E 00	.000E 00
125.0 - 150.0	2.144E-05	8.735E-07	4.952E-05	.000E 00	.000E 00	.000E 00
150.0 - 175.0	8.725E-08	.000E 00	1.847E-07	.000E 00	.000E 00	.000E 00
175.0 - 200.0	2.767E-07	6.640E-06	1.416E-04	.000E 00	.000E 00	2.165E-05
200.0 - 250.0	1.816E-05	7.295E-06	3.216E-06	.000E 00	.000E 00	.000E 00
250.0 - 300.0	1.296E-05	2.004E-05	7.725E-06	.000E 00	.000E 00	3.111E-07
300.0 - 350.0	7.060E-06	1.011E-07	8.855E-07	.000E 00	.000E 00	1.049E-08
350.0 - 400.0	8.390E-06	1.359E-05	4.380E-07	.000E 00	.000E 00	3.028E-08
400.0 - 450.0	9.890E-06	9.725E-07	6.095E-08	.000E 00	.000E 00	5.580E-06
450.0 - 500.0	5.195E-06	1.441E-05	1.646E-07	.000E 00	.000E 00	3.187E-06
500.0 - 600.0	5.345E-06	4.043E-06	8.245E-07	1.598E-06	3.607E-08	4.088E-08
600.0 - 800.0	1.402E-06	7.255E-07	1.066E-07	2.047E-06	2.208E-06	2.137E-09
800.0 - 1000.0	5.575E-07	9.105E-07	1.942E-07	6.270E-09	4.335E-08	.000E 00
1000.0 - 1200.0	1.661E-07	4.401E-07	7.890E-08	.000E 00	4.295E-08	1.616E-07
1200.0 - 1500.0	4.814E-08	2.440E-07	5.195E-08	1.105E-07	1.803E-11	1.646E-07
TOTAL ENERGY DEPOSITION/SEC	1.016E 04	1.196E 04	4.151E 03	3.923E 03	2.972E 03	2.990E 03

TABLE XIV. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.738E 00 TO 2.232E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	2.681E-06
40.0 - 60.0	.000E 00	.000E 00	4.557E-08	3.224E-06
60.0 - 80.0	.000E 00	.000E 00	1.151E-06	2.419E-06
80.0 - 100.0	.000E 00	9.110E-09	1.673E-05	2.748E-06
100.0 - 125.0	.000E 00	.000E 00	6.230E-06	1.307E-06
125.0 - 150.0	.000E 00	1.709E-05	6.070E-06	1.823E-06
150.0 - 175.0	5.605E-08	6.190E-07	1.483E-06	2.457E-06
175.0 - 200.0	1.072E-06	4.399E-06	3.781E-06	2.846E-06
200.0 - 250.0	5.775E-06	1.361E-05	3.251E-06	1.879E-06
250.0 - 300.0	5.025E-07	6.755E-06	4.556E-06	1.977E-06
300.0 - 350.0	4.843E-06	4.974E-06	3.502E-06	1.266E-06
350.0 - 400.0	5.570E-06	2.801E-06	2.536E-06	1.110E-06
400.0 - 450.0	2.814E-06	3.364E-06	3.144E-06	1.080E-06
450.0 - 500.0	3.967E-06	2.363E-06	2.195E-06	1.012E-06
500.0 - 600.0	1.392E-06	1.087E-06	1.526E-06	6.505E-07
600.0 - 800.0	1.234E-06	7.975E-07	8.005E-07	3.836E-07
800.0 - 1000.0	2.216E-07	2.649E-07	3.447E-07	1.780E-07
1000.0 - 1200.0	9.300E-09	3.004E-07	1.530E-07	8.225E-08
1200.0 - 1500.0	.000E 00	1.144E-07	4.044E-08	2.446E-08
TOTAL ENERGY DEPOSITION/SEC	4.461E 03	5.858E 03	4.622E 03	2.189E 03

TABLE XV. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 2.232 TO 2.865 MeV

($keV\ m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	1.181E 01	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	6.760E-01	.000E 00	.000E 00
20.0 - 40.0	.000E 00	2.235E-01	.000E 00	5.730E-02	3.811E-02	2.060E-02
40.0 - 60.0	6.835E-02	.000E 00	.000E 00	.000E 00	3.448E-03	6.825E-02
60.0 - 80.0	.000E 00	.000E 00	1.508E-02	3.365E-02	3.037E-03	1.355E-02
80.0 - 100.0	4.493E-03	2.220E-02	9.360E-04	6.080E-04	4.478E-03	6.280E-03
100.0 - 125.0	.000E 00	.000E 00	6.375E-04	3.688E-03	2.125E-04	2.310E-05
125.0 - 150.0	.000E 00	.000E 00	4.179E-03	1.250E-03	1.408E-03	1.432E-03
150.0 - 175.0	.000E 00	.000E 00	.000E 00	4.114E-04	1.349E-03	1.687E-04
175.0 - 200.0	.000E 00	.000E 00	3.218E-03	2.640E-04	1.342E-03	2.880E-04
200.0 - 250.0	1.169E-03	.000E 00	7.225E-04	3.152E-05	6.590E-04	4.297E-04
250.0 - 300.0	1.084E-03	9.675E-05	.000E 00	3.008E-04	1.776E-05	1.309E-04
300.0 - 350.0	2.103E-04	.000E 00	7.070E-04	1.173E-04	2.660E-04	6.370E-05
350.0 - 400.0	.000E 00	.000E 00	.000E 00	7.350E-06	5.870E-05	2.535E-05
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	1.354E-06	1.769E-05
450.0 - 500.0	.000E 00	.000E 00	.000E 00	5.845E-06	.000E 00	5.150E-06
500.0 - 600.0	.000E 00	.000E 00	.000E 00	2.852E-05	3.476E-06	2.187E-06
600.0 - 800.0	.000E 00	.000E 00	.000E 00	5.540E-07	4.940E-06	2.743E-07
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	8.680E-07	1.793E-08
1000.0 - 1200.0	.000E 00	1.084E-05	2.490E-07	1.219E-08	7.115E-07	2.923E-07
1200.0 - 1500.0	.000E 00	4.370E-06	.000E 00	.000E 00	2.394E-09	6.915E-08
TOTAL ENERGY DEPOSITION/SEC	1.557E 05	1.656E 05	2.039E 05	1.410E 05	1.157E 05	1.229E 05

TABLE XV. *(Continued)*

(keV $m^{-3}sec^{-1}$/source neutron)

2.232E 00 TO 2.865E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	2.690E-04
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	5.515E-06
60.0 - 80.0	3.098E-06	1.643E-04	.000E 00	.000E 00	.000E 00	1.260E-06
80.0 - 100.0	2.327E-06	1.920E-05	5.260E-07	.000E 00	.000E 00	7.455E-05
100.0 - 125.0	6.255E-07	.000E 00	1.146E-06	.000E 00	.000E 00	1.554E-04
125.0 - 150.0	2.082E-07	2.346E-05	.000E 00	.000E 00	.000E 00	2.386E-06
150.0 - 175.0	2.880E-07	3.808E-07	.000E 00	.000E 00	.000E 00	6.835E-06
175.0 - 200.0	2.759E-06	4.346E-06	1.586E-06	.000E 00	.000E 00	.000E 00
200.0 - 250.0	5.185E-05	2.408E-05	9.765E-06	.000E 00	.000E 00	.000E 00
250.0 - 300.0	9.655E-07	2.219E-07	4.184E-06	5.065E-06	.000E 00	.000E 00
300.0 - 350.0	3.033E-05	5.305E-06	2.543E-07	1.512E-05	.000E 00	.000E 00
350.0 - 400.0	1.322E-05	2.162E-05	1.412E-07	.000E 00	.000E 00	7.975E-08
400.0 - 450.0	4.196E-06	7.835E-06	8.630E-07	.000E 00	.000E 00	1.006E-07
450.0 - 500.0	1.774E-06	7.340E-06	1.457E-06	.000E 00	.000E 00	6.105E-07
500.0 - 600.0	2.997E-06	2.488E-06	1.727E-06	.000E 00	.000E 00	3.388E-06
600.0 - 800.0	7.255E-07	3.553E-06	1.058E-06	1.400E-07	.000E 00	4.156E-07
800.0 - 1000.0	5.975E-07	9.220E-07	2.628E-07	1.346E-06	.000E 00	5.035E-07
1000.0 - 1200.0	4.080E-07	3.570E-07	4.658E-08	9.000E-09	.000E 00	8.700E-09
1200.0 - 1500.0	8.870E-08	5.965E-08	5.165E-08	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	1.078E 04	1.415E 04	3.875E 03	4.199E 03	.000E 00	3.880E 03

TABLE XV. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

2.232E 00 TO 2.865E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	7.650E-05	.000E 00	1.006E-05	.000E 00
40.0 - 60.0	.000E 00	1.338E-03	2.416E-05	9.285E-06	3.214E-07	3.594E-06
60.0 - 80.0	7.260E-03	3.889E-04	2.551E-06	3.442E-04	1.152E-04	6.015E-05
80.0 - 100.0	1.855E-03	2.102E-03	2.613E-05	2.378E-05	1.465E-04	1.035E-03
100.0 - 125.0	1.900E-03	5.670E-03	1.460E-03	4.752E-05	3.526E-05	3.495E-05
125.0 - 150.0	2.042E-04	9.185E-04	9.765E-04	1.392E-04	7.345E-06	1.945E-04
150.0 - 175.0	4.290E-04	2.019E-04	8.200E-04	9.590E-05	2.255E-05	5.725E-05
175.0 - 200.0	1.615E-04	2.624E-04	5.960E-04	1.917E-04	1.650E-05	7.185E-08
200.0 - 250.0	8.555E-05	2.586E-04	2.906E-04	1.099E-04	3.656E-05	1.350E-07
250.0 - 300.0	1.319E-04	1.896E-04	2.965E-05	1.524E-04	2.258E-05	2.222E-05
300.0 - 350.0	1.324E-04	2.045E-05	8.230E-05	3.265E-05	8.995E-06	2.930E-05
350.0 - 400.0	1.379E-04	2.636E-05	4.579E-05	4.442E-05	8.150E-06	1.218E-05
400.0 - 450.0	5.860E-05	1.715E-05	2.672E-05	2.949E-05	7.250E-06	4.210E-06
450.0 - 500.0	1.412E-05	6.950E-06	2.475E-05	3.038E-05	1.175E-05	7.915E-06
500.0 - 600.0	1.290E-05	1.608E-06	1.855E-05	1.437E-05	9.650E-06	2.952E-06
600.0 - 800.0	2.477E-06	3.645E-06	1.989E-06	5.485E-06	5.390E-06	2.249E-06
800.0 - 1000.0	7.820E-07	2.029E-07	2.169E-06	2.450E-06	1.760E-06	7.765E-07
1000.0 - 1200.0	4.593E-08	5.230E-10	1.569E-06	5.845E-07	3.547E-07	3.230E-07
1200.0 - 1500.0	1.259E-08	.000E 00	5.790E-07	1.904E-07	8.730E-08	4.009E-08
TOTAL ENERGY DEPOSITION/SEC	7.545E 04	6.778E 04	7.466E 04	4.933E 04	2.269E 04	1.642E 04

TABLE XV. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

2.232E 00 TO 2.865E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	1.966E-08
40.0 - 60.0	4.366E-04	.000E 00	1.266E-06	7.940E-08
60.0 - 80.0	5.590E-05	.000E 00	.000E 00	5.425E-07
80.0 - 100.0	6.055E-07	.000E 00	9.200E-08	6.940E-07
100.0 - 125.0	4.481E-06	.000E 00	1.063E-05	6.070E-07
125.0 - 150.0	1.514E-08	3.186E-05	3.785E-06	3.217E-07
150.0 - 175.0	2.364E-07	1.026E-08	5.690E-06	1.018E-06
175.0 - 200.0	2.321E-06	1.590E-07	5.850E-06	8.050E-07
200.0 - 250.0	5.265E-08	5.315E-06	2.091E-06	1.254E-06
250.0 - 300.0	6.580E-06	6.155E-06	3.649E-06	9.690E-07
300.0 - 350.0	3.032E-08	1.008E-06	2.726E-06	1.021E-06
350.0 - 400.0	1.570E-08	1.946E-06	2.425E-06	7.330E-07
400.0 - 450.0	2.567E-06	4.981E-07	1.156E-06	8.295E-07
450.0 - 500.0	1.885E-06	1.592E-06	1.313E-06	6.090E-07
500.0 - 600.0	9.490E-07	2.301E-06	9.200E-07	4.901E-07
600.0 - 800.0	3.909E-07	8.270E-07	1.041E-06	3.559E-07
800.0 - 1000.0	3.421E-07	2.095E-07	2.564E-07	1.668E-07
1000.0 - 1200.0	7.545E-08	1.216E-07	2.089E-07	6.950E-08
1200.0 - 1500.0	6.435E-08	3.140E-08	3.835E-08	2.298E-08
TOTAL ENERGY DEPOSITION/SEC	3.492E 03	4.095E 03	4.199E 03	1.763E 03

TABLE XVI. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 2.865 TO 3.680 MeV

(keV $m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	2.599E 01	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	6.010E 00	1.584E 00	.000E 00	.000E 00
20.0 - 40.0	7.700E-01	.000E 00	4.533E-02	8.795E-01	2.160E-01	7.165E-02
40.0 - 60.0	4.596E-01	.000E 00	2.743E-03	1.007E-02	5.505E-02	1.030E-01
60.0 - 80.0	5.900E-02	2.891E-01	1.259E-01	4.538E-02	4.638E-02	6.260E-02
80.0 - 100.0	.000E 00	4.230E-03	.000E 00	4.182E-02	5.035E-02	2.179E-02
100.0 - 125.0	4.228E-02	.000E 00	.000E 00	2.158E-02	1.531E-02	1.486E-02
125.0 - 150.0	6.915E-03	1.590E-03	5.230E-03	1.385E-03	2.677E-02	1.110E-02
150.0 - 175.0	.000E 00	3.974E-03	.000E 00	8.985E-03	3.277E-03	6.145E-03
175.0 - 200.0	.000E 00	.000E 00	1.564E-02	5.030E-03	2.085E-03	3.036E-03
200.0 - 250.0	6.220E-03	.000E 00	1.841E-03	2.859E-03	1.677E-03	1.961E-03
250.0 - 300.0	4.143E-04	1.397E-03	9.055E-04	2.953E-04	1.508E-03	2.509E-03
300.0 - 350.0	.000E 00	2.882E-04	.000E 00	9.035E-05	2.103E-03	2.837E-04
350.0 - 400.0	.000E 00	1.069E-04	2.195E-04	1.389E-04	5.960E-04	5.990E-04
400.0 - 450.0	.000E 00	6.200E-04	.000E 00	1.936E-04	2.372E-04	2.749E-04
450.0 - 500.0	.000E 00	1.876E-04	6.800E-06	1.189E-05	9.585E-05	3.510E-04
500.0 - 600.0	1.017E-04	.000E 00	5.580E-05	4.551E-06	2.004E-04	7.885E-05
600.0 - 800.0	.000E 00	.000E 00	.000E 00	8.230E-05	7.270E-05	1.489E-05
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	2.459E-05	3.452E-06	1.376E-05
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	8.140E-06	3.364E-07
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	3.216E-06	2.206E-07
TOTAL ENERGY DEPOSITION/SEC	1.122E 06	6.018E 05	6.925E 05	9.271E 05	1.096E 06	8.290E 05

TABLE XVI. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

2.865E 00 TO 3.680E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	6.285E-01	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	1.123E-06	1.531E-02	4.083E-03	9.225E-04	3.944E-07	.000E 00
40.0 - 60.0	2.998E-02	3.337E-04	8.980E-03	5.220E-04	5.285E-08	2.895E-07
60.0 - 80.0	1.668E-02	1.116E-03	5.670E-03	8.135E-06	2.015E-04	.000E 00
80.0 - 100.0	1.845E-02	3.890E-04	1.555E-03	3.215E-04	4.327E-06	2.244E-07
100.0 - 125.0	8.430E-03	3.631E-03	1.587E-03	6.300E-04	2.154E-04	.000E 00
125.0 - 150.0	4.198E-03	4.344E-03	6.800E-04	6.345E-04	3.013E-06	3.248E-06
150.0 - 175.0	5.445E-03	5.065E-03	8.000E-04	3.364E-04	5.135E-05	2.315E-08
175.0 - 200.0	2.048E-03	3.841E-03	2.643E-03	6.915E-04	6.120E-05	4.245E-05
200.0 - 250.0	2.753E-03	1.376E-03	1.836E-03	1.506E-04	4.372E-05	1.160E-05
250.0 - 300.0	8.305E-04	5.585E-04	2.144E-03	3.468E-04	5.455E-05	1.290E-05
300.0 - 350.0	6.400E-04	3.503E-04	5.975E-04	4.338E-04	4.781E-05	1.492E-05
350.0 - 400.0	5.645E-04	8.150E-04	7.130E-04	2.299E-04	5.715E-05	1.150E-05
400.0 - 450.0	5.345E-04	7.925E-04	2.771E-04	1.608E-04	3.178E-05	7.110E-06
450.0 - 500.0	1.073E-04	3.364E-04	1.941E-04	1.819E-04	3.586E-05	4.512E-06
500.0 - 600.0	1.474E-04	1.838E-04	1.004E-04	3.468E-05	1.331E-05	7.885E-06
600.0 - 800.0	4.415E-05	4.231E-05	4.840E-05	1.917E-05	7.510E-06	2.607E-06
800.0 - 1000.0	1.259E-05	1.352E-05	1.789E-05	7.240E-06	1.942E-06	1.653E-06
1000.0 - 1200.0	1.725E-07	5.690E-06	1.740E-06	2.949E-06	1.098E-06	5.375E-07
1200.0 - 1500.0	1.249E-07	2.086E-07	4.191E-08	6.695E-07	2.073E-07	8.060E-08
TOTAL ENERGY DEPOSITION/SEC	6.565E 05	6.036E 05	5.262E 05	1.979E 05	4.631E 04	1.675E 04

TABLE XVI. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

2.865E 00 TO 3.680E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	1.473E-06	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	1.881E-05	8.940E-08	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	8.490E-07	1.073E-07	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	1.857E-07	4.755E-07	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	3.160E-05	3.604E-06	6.425E-07	.000E 00	.000E 00	.000E 00
125.0 - 150.0	2.797E-07	1.962E-05	2.323E-05	.000E 00	.000E 00	.000E 00
150.0 - 175.0	6.370E-07	1.990E-07	1.082E-07	.000E 00	.000E 00	.000E 00
175.0 - 200.0	2.138E-05	4.519E-07	1.692E-06	.000E 00	.000E 00	.000E 00
200.0 - 250.0	3.740E-05	1.833E-07	1.448E-06	.000E 00	.000E 00	.000E 00
250.0 - 300.0	1.661E-05	2.558E-06	2.283E-05	.000E 00	.000E 00	.000E 00
300.0 - 350.0	2.712E-06	1.298E-05	6.615E-07	.000E 00	.000E 00	.000E 00
350.0 - 400.0	1.369E-06	1.236E-05	2.989E-06	.000E 00	.000E 00	.000E 00
400.0 - 450.0	4.753E-06	7.405E-06	1.594E-06	.000E 00	.000E 00	.000E 00
450.0 - 500.0	3.015E-06	2.781E-06	2.622E-07	5.805E-06	2.844E-08	.000E 00
500.0 - 600.0	1.404E-06	1.837E-06	5.530E-07	9.005E-06	1.671E-06	1.958E-06
600.0 - 800.0	1.717E-06	1.391E-06	1.837E-07	1.190E-07	1.055E-06	1.012E-07
800.0 - 1000.0	3.015E-07	7.655E-07	1.041E-06	6.565E-08	3.719E-07	1.553E-09
1000.0 - 1200.0	4.994E-07	2.568E-07	5.175E-08	3.434E-07	3.975E-08	1.140E-07
1200.0 - 1500.0	2.140E-07	6.335E-08	2.884E-08	4.988E-09	.000E 00	1.180E-07
TOTAL ENERGY DEPOSITION/SEC	9.919E 03	8.669E 03	4.745E 03	5.620E 03	2.832E 03	2.037E 03

TABLE XVI. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

2.865E 00 TO 3.680E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	8.320E-09
40.0 - 60.0	.000E 00	.000E 00	3.645E-08	1.473E-06
60.0 - 80.0	.000E 00	.000E 00	1.201E-08	7.550E-07
80.0 - 100.0	.000E 00	.000E 00	3.776E-07	1.535E-06
100.0 - 125.0	.000E 00	2.860E-05	4.714E-06	1.115E-06
125.0 - 150.0	.000E 00	1.288E-05	7.200E-07	1.347E-06
150.0 - 175.0	.000E 00	.000E 00	2.120E-06	1.686E-06
175.0 - 200.0	.000E 00	5.715E-07	5.115E-06	7.805E-07
200.0 - 250.0	.000E 00	5.055E-06	1.391E-06	8.710E-07
250.0 - 300.0	3.708E-07	1.801E-06	1.647E-06	9.800E-07
300.0 - 350.0	3.503E-06	2.735E-08	2.344E-06	7.300E-07
350.0 - 400.0	9.660E-08	2.051E-06	1.092E-06	6.740E-07
400.0 - 450.0	3.800E-07	1.257E-06	1.161E-06	6.175E-07
450.0 - 500.0	3.819E-06	4.160E-07	1.850E-06	5.580E-07
500.0 - 600.0	8.505E-07	9.300E-07	8.915E-07	4.863E-07
600.0 - 800.0	4.444E-07	5.785E-07	5.785E-07	2.710E-07
800.0 - 1000.0	3.764E-07	2.692E-07	2.664E-07	1.301E-07
1000.0 - 1200.0	1.237E-07	8.085E-08	1.068E-07	6.655E-08
1200.0 - 1500.0	7.315E-08	2.816E-08	3.497E-08	2.111E-08
TOTAL ENERGY DEPOSITION/SEC	3.371E 03	2.893E 03	3.036E 03	1.508E 03

TABLE XVII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 3.680 TO 6.070 MeV

($keV\ m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	6.320E 00
10.0 - 20.0	7.470E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	3.804E 01	3.835E 01	1.616E 01	9.935E 00	1.234E-03	9.030E-01
40.0 - 60.0	.000E 00	2.657E-01	3.097E-01	5.380E 00	3.175E 00	3.050E 00
60.0 - 80.0	.000E 00	3.171E-01	1.827E 00	3.469E-01	3.135E 00	1.114E 00
80.0 - 100.0	.000E 00	4.174E-01	2.635E-02	1.996E-01	8.500E-01	1.062E-01
100.0 - 125.0	.000E 00	.000E 00	.000E 00	4.081E-01	9.420E-02	3.626E-01
125.0 - 150.0	9.890E-01	3.869E-02	9.015E-01	2.950E-02	8.660E-02	2.282E-01
150.0 - 175.0	.000E 00	3.332E-02	3.729E-01	1.815E-01	6.085E-02	2.089E-01
175.0 - 200.0	6.925E-02	.000E 00	3.842E-03	1.264E-01	2.345E-01	1.902E-01
200.0 - 250.0	2.810E-02	4.579E-01	3.683E-02	3.055E-02	1.215E-01	6.865E-02
250.0 - 300.0	3.697E-03	.000E 00	3.564E-02	5.660E-02	2.818E-02	4.700E-02
300.0 - 350.0	1.463E-03	.000E 00	1.367E-03	1.169E-03	3.528E-02	9.525E-03
350.0 - 400.0	1.099E-04	4.718E-03	1.535E-03	3.751E-02	7.330E-03	1.426E-02
400.0 - 450.0	1.014E-02	.000E 00	.000E 00	2.499E-03	3.088E-03	4.998E-03
450.0 - 500.0	.000E 00	.000E 00	.000E 00	4.800E-04	5.890E-03	6.180E-03
500.0 - 600.0	.000E 00	6.955E-03	7.930E-03	4.919E-04	3.012E-03	5.745E-03
600.0 - 800.0	.000E 00	5.655E-04	1.033E-05	8.700E-04	4.742E-04	1.513E-03
800.0 - 1000.0	.000E 00	3.271E-03	4.249E-05	2.045E-04	5.950E-05	3.976E-04
1000.0 - 1200.0	.000E 00	.000E 00	1.787E-04	6.200E-05	5.215E-05	4.664E-04
1200.0 - 1500.0	.000E 00	.000E 00	5.410E-04	4.695E-05	3.257E-06	3.461E-06
TOTAL ENERGY DEPOSITION/SEC	1.813E 07	3.600E 07	2.532E 07	2.092E 07	2.308E 07	2.452E 07

TABLE XVII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

3.680E 00 TO 6.070E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	1.169E-03	1.962E-02	1.241E-02	.000E 00	5.210E-05
20.0 - 40.0	1.158E-02	3.897E-01	.000E 00	5.405E-04	.000E 00	2.174E-05
40.0 - 60.0	5.460E-03	1.537E-02	6.965E-04	8.605E-03	2.734E-06	4.188E-07
60.0 - 80.0	1.118E-01	1.825E-01	1.306E-02	1.698E-02	8.045E-06	3.113E-07
80.0 - 100.0	6.495E-02	1.278E-02	1.582E-02	2.463E-02	2.078E-05	3.482E-05
100.0 - 125.0	3.777E-01	1.578E-01	1.233E-01	2.823E-03	4.165E-05	1.013E-05
125.0 - 150.0	2.146E-01	1.260E-01	1.966E-02	2.803E-03	1.980E-04	4.751E-07
150.0 - 175.0	1.475E-01	1.086E-01	3.035E-02	4.324E-03	1.738E-04	7.750E-07
175.0 - 200.0	9.600E-02	3.232E-02	1.866E-02	6.910E-03	2.193E-04	2.528E-05
200.0 - 250.0	1.873E-02	9.040E-02	2.146E-02	1.089E-02	2.416E-04	1.166E-05
250.0 - 300.0	8.155E-03	2.209E-02	6.035E-02	5.985E-03	2.115E-04	2.926E-05
300.0 - 350.0	2.183E-02	2.706E-02	1.973E-02	5.095E-03	5.455E-04	3.268E-05
350.0 - 400.0	3.509E-02	1.594E-02	1.599E-02	6.820E-03	6.555E-04	1.078E-05
400.0 - 450.0	1.365E-02	1.850E-02	4.086E-03	4.906E-03	4.796E-04	8.845E-06
450.0 - 500.0	1.293E-02	4.069E-03	7.625E-03	2.926E-03	7.005E-04	4.041E-05
500.0 - 600.0	1.443E-03	3.081E-03	3.605E-03	3.110E-03	5.990E-04	1.611E-05
600.0 - 800.0	7.205E-04	1.020E-03	6.615E-04	8.070E-04	4.994E-04	3.526E-05
800.0 - 1000.0	3.784E-05	1.080E-05	2.088E-04	7.560E-05	1.907E-04	2.934E-05
1000.0 - 1200.0	7.085E-05	1.063E-05	7.475E-06	4.640E-05	4.633E-05	1.576E-05
1200.0 - 1500.0	1.211E-06	6.690E-06	6.780E-05	4.446E-06	5.320E-06	1.440E-05
TOTAL ENERGY DEPOSITION/SEC	1.603E 07	1.536E 07	1.206E 07	5.278E 06	1.687E 06	2.692E 05

TABLE XVII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

3.680E 00 TO 6.070E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	8.445E-08	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	3.056E-07	.000E 00	4.058E-07	.000E 00	.000E 00	.000E 00
80.0 - 100.0	2.348E-05	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	7.590E-08	.000E 00	.000E 00	.000E 00
125.0 - 150.0	5.160E-07	.000E 00	3.616E-08	.000E 00	.000E 00	.000E 00
150.0 - 175.0	2.290E-07	.000E 00	1.242E-06	.000E 00	.000E 00	.000E 00
175.0 - 200.0	1.016E-06	1.181E-08	3.452E-08	.000E 00	.000E 00	.000E 00
200.0 - 250.0	2.390E-06	2.086E-06	1.385E-06	.000E 00	.000E 00	5.050E-07
250.0 - 300.0	5.635E-06	6.375E-06	4.232E-07	2.014E-08	.000E 00	1.291E-06
300.0 - 350.0	2.001E-06	2.243E-06	3.838E-07	7.515E-08	.000E 00	8.740E-06
350.0 - 400.0	7.745E-08	5.900E-06	7.225E-06	1.675E-08	.000E 00	3.623E-06
400.0 - 450.0	2.261E-06	4.622E-06	1.020E-07	.000E 00	1.274E-08	5.705E-09
450.0 - 500.0	1.802E-06	2.661E-07	4.688E-07	2.913E-06	4.387E-08	6.080E-07
500.0 - 600.0	1.731E-06	3.340E-06	1.110E-06	.000E 00	6.690E-07	6.785E-07
600.0 - 800.0	1.976E-06	1.005E-06	3.913E-07	1.070E-06	3.966E-09	7.175E-07
800.0 - 1000.0	1.427E-06	2.052E-07	2.045E-07	5.215E-07	2.105E-07	1.027E-08
1000.0 - 1200.0	1.004E-06	2.770E-07	9.265E-08	3.522E-07	7.095E-08	.000E 00
1200.0 - 1500.0	1.931E-06	6.570E-08	1.803E-08	2.166E-08	1.991E-08	7.040E-09
TOTAL ENERGY DEPOSITION/SEC	2.348E 04	5.842E 03	2.552E 03	4.036E 03	1.052E 03	2.284E 03

TABLE XVII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

3.680E 00 TO 6.070E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	2.457E-05	.000E 00	.000E 00	6.135E-09
40.0 - 60.0	.000E 00	.000E 00	.000E 00	1.589E-07
60.0 - 80.0	1.119E-04	.000E 00	.000E 00	2.169E-06
80.0 - 100.0	.000E 00	.000E 00	.000E 00	3.511E-07
100.0 - 125.0	.000E 00	.000E 00	1.022E-08	2.694E-08
125.0 - 150.0	.000E 00	.000E 00	1.349E-08	5.060E-07
150.0 - 175.0	9.835E-06	.000E 00	1.592E-06	5.305E-07
175.0 - 200.0	8.380E-06	.000E 00	6.375E-07	4.006E-07
200.0 - 250.0	3.903E-06	.000E 00	2.326E-07	5.925E-07
250.0 - 300.0	2.876E-07	.000E 00	2.390E-07	3.823E-07
300.0 - 350.0	3.827E-07	1.356E-07	4.713E-07	3.466E-07
350.0 - 400.0	6.020E-07	1.805E-06	9.860E-07	2.585E-07
400.0 - 450.0	6.835E-07	1.780E-07	8.515E-07	3.458E-07
450.0 - 500.0	5.910E-07	1.313E-06	4.241E-07	3.237E-07
500.0 - 600.0	1.251E-06	3.624E-07	3.737E-07	2.280E-07
600.0 - 800.0	5.710E-07	3.129E-07	2.372E-07	1.447E-07
800.0 - 1000.0	2.295E-07	1.651E-07	1.576E-07	8.245E-08
1000.0 - 1200.0	7.515E-08	6.195E-08	8.995E-08	4.119E-08
1200.0 - 1500.0	1.945E-08	2.511E-08	3.789E-08	1.526E-08
TOTAL ENERGY DEPOSITION/SEC	2.715E 03	1.601E 03	1.609E 03	8.495E 02

TABLE XVIII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 6.070 TO 7.790 MeV

(keV $m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	3.101E 03	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	1.423E 02	.000E 00	3.518E 02	1.617E-01	.000E 00	.000E 00
20.0 - 40.0	4.085E 00	.000E 00	1.890E 00	3.189E 01	1.836E 00	.000E 00
40.0 - 60.0	9.460E 00	1.875E 00	.000E 00	1.282E 01	1.504E 01	6.965E 00
60.0 - 80.0	.000E 00	.000E 00	3.811E 00	4.216E 00	1.713E 01	2.718E-01
80.0 - 100.0	2.066E-01	4.652E 00	8.370E 00	5.345E 00	5.670E-01	6.955E 00
100.0 - 125.0	.000E 00	.000E 00	4.368E-01	1.885E 00	6.150E-01	4.089E 00
125.0 - 150.0	1.430E-01	1.332E 00	2.331E 00	2.023E 00	1.488E 00	1.562E 00
150.0 - 175.0	1.265E 00	2.662E-01	8.815E-01	2.016E-01	6.485E-01	1.479E 00
175.0 - 200.0	1.844E 00	1.244E-02	5.555E-01	7.705E-01	5.425E-01	6.460E-01
200.0 - 250.0	3.299E-01	.000E 00	3.206E-01	3.444E-01	2.745E-01	4.463E-01
250.0 - 300.0	3.456E-02	.000E 00	9.755E-02	2.567E-01	9.580E-02	1.929E-01
300.0 - 350.0	1.739E-01	1.802E-01	1.772E-01	3.545E-01	1.051E-01	9.070E-02
350.0 - 400.0	1.305E-01	4.346E-01	2.733E-02	6.090E-02	5.190E-02	1.126E-01
400.0 - 450.0	8.810E-02	9.845E-02	1.214E-03	8.660E-02	7.965E-02	2.036E-02
450.0 - 500.0	2.400E-02	.000E 00	8.130E-03	2.396E-02	4.623E-02	2.367E-02
500.0 - 600.0	1.867E-02	.000E 00	1.428E-02	1.801E-02	2.920E-02	2.381E-02
600.0 - 800.0	5.720E-03	1.884E-03	6.750E-03	8.175E-03	6.210E-03	1.310E-02
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	4.936E-04	4.408E-03	5.755E-03
1000.0 - 1200.0	.000E 00	.000E 00	1.443E-03	.000E 00	2.564E-04	2.725E-03
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	3.566E-05	1.822E-04	1.135E-04
TOTAL ENERGY DEPOSITION/SEC	1.063E 08	9.793E 07	1.103E 08	1.453E 08	1.255E 08	1.553E 08

TABLE XVIII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

6.070E 00 TO 7.790E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	3.989E-02	.000E 00	.000E 00
20.0 - 40.0	4.327E 00	3.577E-02	4.171E-02	5.215E-02	3.305E-04	.000E 00
40.0 - 60.0	1.740E 00	3.704E-01	4.503E-03	1.865E-02	5.405E-05	.000E 00
60.0 - 80.0	1.500E 00	4.423E-01	1.361E-01	1.831E-02	5.775E-04	3.105E-06
80.0 - 100.0	1.220E-01	5.170E-01	4.451E-01	4.237E-02	1.142E-04	1.995E-06
100.0 - 125.0	6.780E-01	2.513E-01	3.015E-02	5.090E-02	3.454E-04	2.335E-06
125.0 - 150.0	1.105E 00	6.110E-01	1.258E-01	2.509E-02	2.311E-03	2.005E-05
150.0 - 175.0	5.475E-01	1.911E-01	2.580E-02	1.013E-02	1.086E-03	6.680E-05
175.0 - 200.0	7.285E-01	1.671E-01	2.440E-02	5.810E-03	1.756E-03	5.505E-05
200.0 - 250.0	3.413E-01	2.167E-01	8.360E-02	1.872E-02	2.081E-03	2.421E-05
250.0 - 300.0	1.343E-01	2.997E-01	1.269E-01	2.956E-02	2.308E-03	1.208E-05
300.0 - 350.0	7.145E-02	1.247E-01	1.527E-01	1.421E-02	1.664E-03	2.116E-05
350.0 - 400.0	3.129E-02	1.137E-01	9.315E-02	2.569E-02	1.919E-03	6.420E-05
400.0 - 450.0	4.088E-02	2.575E-02	4.943E-02	2.940E-02	1.565E-03	7.935E-05
450.0 - 500.0	1.977E-02	1.953E-02	3.255E-02	1.453E-02	1.975E-03	1.997E-04
500.0 - 600.0	1.918E-02	8.850E-03	1.680E-02	1.310E-02	1.441E-03	1.142E-04
600.0 - 800.0	5.155E-03	6.645E-03	6.055E-03	4.526E-03	1.503E-03	6.300E-05
800.0 - 1000.0	1.342E-03	2.604E-03	1.605E-03	1.474E-03	9.770E-04	3.679E-05
1000.0 - 1200.0	1.116E-03	1.343E-03	1.392E-04	4.689E-04	3.584E-04	6.620E-05
1200.0 - 1500.0	3.452E-04	2.032E-05	4.851E-05	9.185E-05	3.293E-05	5.195E-05
TOTAL ENERGY DEPOSITION/SEC	8.063E 07	7.636E 07	5.775E 07	2.695E 07	6.690E 06	8.041E 05

TABLE XVIII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

6.070E 00 TO 7.790E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	1.120E-05	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	6.545E-08	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	3.984E-07	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	1.073E-06	3.379E-06	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	4.880E-07	8.870E-06	8.940E-12	.000E 00	.000E 00	.000E 00
175.0 - 200.0	1.268E-06	5.945E-06	1.288E-06	.000E 00	.000E 00	.000E 00
200.0 - 250.0	1.642E-05	3.712E-06	2.595E-06	.000E 00	.000E 00	.000E 00
250.0 - 300.0	1.346E-04	1.372E-06	1.304E-07	.000E 00	.000E 00	.000E 00
300.0 - 350.0	8.225E-06	2.703E-06	4.833E-09	.000E 00	.000E 00	.000E 00
350.0 - 400.0	1.282E-05	1.217E-06	4.559E-08	.000E 00	1.571E-10	.000E 00
400.0 - 450.0	1.833E-05	4.346E-06	6.525E-07	.000E 00	1.179E-07	5.760E-09
450.0 - 500.0	9.270E-06	1.780E-06	1.054E-07	.000E 00	5.310E-08	8.145E-11
500.0 - 600.0	4.329E-06	1.804E-06	3.545E-07	.000E 00	4.344E-07	5.960E-08
600.0 - 800.0	3.468E-06	7.565E-07	1.359E-07	1.108E-06	7.220E-07	3.528E-07
800.0 - 1000.0	8.710E-06	7.250E-07	2.866E-07	3.357E-07	5.685E-09	7.060E-07
1000.0 - 1200.0	8.930E-06	3.840E-07	1.687E-07	1.292E-09	1.114E-08	7.335E-08
1200.0 - 1500.0	1.220E-05	6.890E-07	4.171E-08	3.631E-09	1.128E-07	1.215E-07
TOTAL ENERGY DEPOSITION/SEC	1.472E 05	1.042E 04	1.889E 03	2.089E 03	1.906E 03	2.965E 03

TABLE XVIII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

6.070E 00 TO 7.790E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	1.471E-07	.000E 00
40.0 - 60.0	.000E 00	.000E 00	6.545E-07	.000E 00
60.0 - 80.0	.000E 00	1.658E-08	1.256E-07	5.845E-08
80.0 - 100.0	.000E 00	7.060E-08	3.420E-07	7.245E-07
100.0 - 125.0	.000E 00	3.456E-07	1.629E-07	7.970E-07
125.0 - 150.0	.000E 00	1.080E-06	8.990E-08	2.957E-07
150.0 - 175.0	.000E 00	5.140E-07	3.328E-08	3.248E-07
175.0 - 200.0	.000E 00	2.258E-07	2.211E-07	6.840E-07
200.0 - 250.0	.000E 00	2.951E-06	1.516E-06	3.616E-07
250.0 - 300.0	.000E 00	2.142E-06	3.510E-07	4.045E-07
300.0 - 350.0	4.521E-07	2.065E-06	1.028E-06	3.868E-07
350.0 - 400.0	5.180E-08	3.717E-06	5.995E-07	5.085E-07
400.0 - 450.0	6.890E-07	6.495E-07	5.170E-07	3.677E-07
450.0 - 500.0	.000E 00	2.436E-07	3.506E-07	2.795E-07
500.0 - 600.0	4.442E-08	8.210E-07	5.440E-07	2.324E-07
600.0 - 800.0	2.857E-07	2.921E-07	3.144E-07	1.563E-07
800.0 - 1000.0	1.870E-07	3.024E-07	1.026E-07	7.140E-08
1000.0 - 1200.0	2.646E-07	8.505E-08	9.195E-08	3.914E-08
1200.0 - 1500.0	5.195E-08	1.515E-08	2.713E-08	1.882E-08
TOTAL ENERGY DEPOSITION/SEC	2.031E 03	2.443E 03	1.575E 03	8.773E 02

TABLE XIX. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 7.790 TO 10.0 MeV

($keV\ m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	3.232E 02	1.972E 02	5.135E 01	.000E 00
20.0 - 40.0	2.599E 01	.000E 00	7.235E 01	2.750E 01	3.600E 00	1.363E 01
40.0 - 60.0	2.633E 01	2.000E 00	2.588E 01	2.262E 00	1.343E 01	2.006E-01
60.0 - 80.0	3.047E 01	.000E 00	1.610E 01	1.499E 01	1.377E 01	3.521E 00
80.0 - 100.0	2.627E 00	.000E 00	1.733E 01	3.147E 00	8.205E 00	4.727E 00
100.0 - 125.0	5.005E 00	9.080E 00	4.086E 00	3.155E-02	3.002E 00	4.299E 00
125.0 - 150.0	3.117E 00	6.795E-01	3.235E 00	4.042E 00	3.049E 00	3.326E 00
150.0 - 175.0	.000E 00	5.155E-01	1.369E 00	4.635E-01	7.160E-01	2.040E 00
175.0 - 200.0	4.822E-01	8.155E-04	6.880E-03	1.731E 00	1.186E 00	7.465E-01
200.0 - 250.0	4.572E-01	1.713E-02	2.262E-01	5.070E-01	6.990E-01	4.357E-01
250.0 - 300.0	5.545E-01	.000E 00	2.455E-01	3.670E-01	2.494E-01	2.903E-01
300.0 - 350.0	1.672E-01	.000E 00	2.517E-01	3.221E-02	2.368E-01	2.903E-01
350.0 - 400.0	5.520E-02	.000E 00	2.062E-02	2.951E-01	1.502E-01	7.895E-02
400.0 - 450.0	.000E 00	.000E 00	9.780E-02	6.085E-02	4.419E-02	8.810E-02
450.0 - 500.0	.000E 00	.000E 00	1.173E-02	5.810E-02	9.690E-02	6.770E-02
500.0 - 600.0	4.311E-02	1.038E-02	2.363E-03	1.844E-02	6.450E-02	3.063E-02
600.0 - 800.0	2.693E-02	1.139E-02	1.764E-02	1.579E-02	6.490E-03	9.905E-03
800.0 - 1000.0	5.840E-03	4.868E-05	3.094E-04	3.777E-03	1.342E-03	9.185E-03
1000.0 - 1200.0	.000E 00	8.100E-03	1.443E-03	1.089E-03	1.363E-03	2.801E-04
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	6.555E-05	8.065E-04	4.804E-04
TOTAL ENERGY DEPOSITION/SEC	2.287E 08	8.931E 07	2.234E 08	2.011E 08	2.211E 08	2.001E 08

TABLE XIX. (Continued)

(keV $m^{-3}sec^{-1}$/source neutron)

7.790E 00 TO 1.000E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	6.885E 00	.000E 00	3.863E-02	2.702E-01	.000E 00	.000E 00
40.0 - 60.0	1.651E 00	1.184E 00	5.260E-02	6.050E-04	1.579E-03	.000E 00
60.0 - 80.0	3.405E 00	4.397E-02	1.171E-01	8.355E-03	6.930E-03	.000E 00
80.0 - 100.0	1.724E 00	1.207E 00	6.490E-01	3.049E-03	2.270E-03	8.815E-05
100.0 - 125.0	5.825E-01	9.760E-01	1.301E-01	2.654E-02	4.643E-04	2.989E-05
125.0 - 150.0	1.860E 00	6.885E-01	3.234E-01	1.658E-02	5.880E-04	3.556E-04
150.0 - 175.0	1.925E 00	1.643E 00	1.817E-01	2.884E-02	2.661E-03	4.769E-04
175.0 - 200.0	1.260E 00	5.500E-01	1.962E-01	6.935E-02	1.031E-02	9.615E-05
200.0 - 250.0	7.100E-01	5.645E-01	2.430E-01	2.602E-02	2.043E-03	1.633E-04
250.0 - 300.0	3.290E-01	4.710E-01	1.267E-01	3.762E-02	2.098E-03	4.384E-05
300.0 - 350.0	2.509E-01	3.330E-01	2.273E-01	2.282E-02	6.415E-03	9.145E-04
350.0 - 400.0	1.844E-01	2.735E-01	1.768E-01	3.389E-02	3.021E-03	2.758E-04
400.0 - 450.0	1.057E-01	7.135E-02	1.180E-01	4.629E-02	3.607E-03	2.200E-04
450.0 - 500.0	4.871E-02	6.735E-02	6.980E-02	3.291E-02	2.128E-03	6.230E-04
500.0 - 600.0	4.616E-02	3.880E-02	3.599E-02	2.437E-02	4.352E-03	4.251E-04
600.0 - 800.0	1.043E-02	1.803E-02	1.397E-02	1.236E-02	2.471E-03	2.989E-04
800.0 - 1000.0	7.225E-03	4.034E-03	4.476E-03	4.186E-03	1.453E-03	1.819E-04
1000.0 - 1200.0	1.111E-03	1.260E-03	1.569E-03	1.139E-03	5.275E-04	1.238E-04
1200.0 - 1500.0	7.635E-04	2.837E-04	2.924E-04	2.205E-04	1.476E-04	1.173E-04
TOTAL ENERGY DEPOSITION/SEC	1.980E 08	1.867E 08	1.225E 08	5.652E 07	1.205E 07	2.305E 06

TABLE XIX. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

7.790E 00 TO 1.000E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	6.095E-08	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	1.409E-05	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	2.916E-06	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	9.290E-06	3.228E-08	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	3.969E-06	1.880E-08	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	1.578E-07	2.095E-09	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	2.259E-06	5.580E-09	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	1.304E-05	.000E 00	.000E 00	.000E 00	.000E 00	2.193E-07
200.0 - 250.0	8.275E-06	1.029E-06	3.302E-09	.000E 00	.000E 00	1.354E-05
250.0 - 300.0	3.229E-05	4.184E-09	2.556E-07	2.992E-05	.000E 00	8.775E-07
300.0 - 350.0	1.170E-05	1.909E-06	5.430E-08	.000E 00	.000E 00	6.270E-06
350.0 - 400.0	7.465E-06	6.900E-05	8.775E-07	1.593E-06	.000E 00	9.995E-07
400.0 - 450.0	1.096E-05	1.425E-05	3.267E-08	1.897E-08	.000E 00	2.301E-07
450.0 - 500.0	1.195E-05	2.926E-06	2.099E-08	8.725E-07	.000E 00	6.510E-07
500.0 - 600.0	1.223E-04	6.340E-06	4.086E-08	3.215E-07	5.085E-08	4.522E-09
600.0 - 800.0	1.839E-05	1.134E-06	2.336E-07	7.960E-08	2.384E-07	1.653E-09
800.0 - 1000.0	3.538E-05	5.935E-07	5.750E-08	5.815E-07	1.756E-07	9.920E-07
1000.0 - 1200.0	2.706E-05	3.144E-07	1.427E-07	2.815E-09	3.451E-07	5.285E-08
1200.0 - 1500.0	1.618E-05	3.236E-07	3.126E-08	.000E 00	1.215E-07	.000E 00
TOTAL ENERGY DEPOSITION/SEC	3.423E 05	1.653E 04	1.174E 03	3.112E 03	2.564E 03	3.293E 03

TABLE XIX. (Continued)

(keV $m^{-3}sec^{-1}$/source neutron)

7.790E 00 TO 1.000E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	8.380E-07
60.0 - 80.0	.000E 00	.000E 00	.000E 00	8.475E-07
80.0 - 100.0	.000E 00	.000E 00	.000E 00	4.209E-07
100.0 - 125.0	.000E 00	.000E 00	.000E 00	1.286E-07
125.0 - 150.0	.000E 00	.000E 00	.000E 00	1.961E-07
150.0 - 175.0	.000E 00	.000E 00	8.745E-07	4.878E-07
175.0 - 200.0	.000E 00	.000E 00	1.789E-06	2.710E-07
200.0 - 250.0	.000E 00	.000E 00	1.759E-07	4.491E-07
250.0 - 300.0	.000E 00	.000E 00	8.595E-07	4.193E-07
300.0 - 350.0	.000E 00	8.980E-11	6.620E-07	3.752E-07
350.0 - 400.0	3.076E-10	1.424E-10	5.865E-07	3.682E-07
400.0 - 450.0	4.067E-10	2.063E-06	9.525E-07	3.631E-07
450.0 - 500.0	3.195E-07	1.125E-06	6.030E-07	3.682E-07
500.0 - 600.0	1.023E-06	2.858E-07	3.681E-07	2.419E-07
600.0 - 800.0	4.201E-07	3.155E-07	3.090E-07	1.588E-07
800.0 - 1000.0	3.192E-07	1.123E-07	1.368E-07	9.535E-08
1000.0 - 1200.0	9.695E-08	1.445E-07	1.032E-07	4.138E-08
1200.0 - 1500.0	1.547E-08	3.326E-08	3.327E-08	1.961E-08
TOTAL ENERGY DEPOSITION/SEC	2.011E 03	1.794E 03	1.711E 03	9.420E 02

TABLE XX. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 10.0 TO 12.0 MeV

(keV $m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	6.030E 02	1.411E 03	8.840E 02	1.843E 01	.000E 00	.000E 00
20.0 - 40.0	1.839E 02	1.083E 02	1.626E 02	9.665E 01	4.224E 01	9.390E 00
40.0 - 60.0	4.819E 01	5.505E 01	6.890E 00	3.689E 01	1.295E 01	1.735E 01
60.0 - 80.0	3.511E 00	2.610E 01	2.318E 01	3.076E 01	1.393E 01	7.125E 00
80.0 - 100.0	1.553E 00	5.790E 00	1.494E 01	9.935E 00	1.235E 01	3.541E 00
100.0 - 125.0	3.254E 00	9.040E-01	4.546E 00	1.032E 01	4.827E 00	5.330E 00
125.0 - 150.0	5.275E 00	1.497E 00	3.979E 00	3.457E 00	3.525E 00	3.543E 00
150.0 - 175.0	6.690E-01	5.125E 00	1.808E 00	2.918E 00	2.510E 00	2.760E 00
175.0 - 200.0	2.196E-01	.000E 00	2.454E 00	1.892E 00	1.514E 00	2.688E 00
200.0 - 250.0	9.305E-01	1.531E 00	1.219E 00	9.100E-01	7.340E-01	7.960E-01
250.0 - 300.0	9.485E-02	1.548E 00	1.191E-01	4.893E-01	6.055E-01	7.510E-01
300.0 - 350.0	6.670E-01	6.745E-01	7.105E-01	2.722E-01	3.321E-01	4.100E-01
350.0 - 400.0	2.668E-01	3.401E-01	1.425E-01	2.874E-01	1.813E-01	3.033E-01
400.0 - 450.0	1.589E-02	1.578E-01	2.151E-01	1.466E-01	3.173E-01	1.484E-01
450.0 - 500.0	9.720E-02	1.075E-01	2.656E-01	4.961E-02	1.120E-01	9.870E-02
500.0 - 600.0	7.335E-02	4.066E-02	2.668E-02	8.235E-02	6.915E-02	6.810E-02
600.0 - 800.0	2.989E-02	5.210E-03	7.670E-03	2.356E-02	2.634E-02	1.470E-02
800.0 - 1000.0	5.935E-03	1.011E-03	8.250E-03	8.580E-03	8.945E-03	3.725E-03
1000.0 - 1200.0	3.260E-03	1.432E-05	1.330E-03	2.770E-03	3.173E-03	3.210E-03
1200.0 - 1500.0	.000E 00	4.877E-03	1.479E-04	2.474E-04	7.210E-04	1.216E-03
TOTAL ENERGY DEPOSITION/SEC	3.563E 08	4.896E 08	4.199E 08	4.200E 08	3.728E 08	3.405E 08

TABLE XX. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.000E 01 TO 1.200E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	2.610E-04	.000E 00	.000E 00	.000E 00	.000E 00	2.708E-06
20.0 - 40.0	6.100E 00	.000E 00	3.012E-03	.000E 00	6.440E-07	4.508E-07
40.0 - 60.0	2.991E 00	1.370E 00	1.176E-01	6.410E-03	6.815E-03	1.110E-07
60.0 - 80.0	1.774E 00	1.368E 00	1.198E-01	1.380E-02	9.325E-04	2.601E-07
80.0 - 100.0	1.472E 00	6.245E-01	3.695E-01	1.746E-03	1.131E-04	1.251E-07
100.0 - 125.0	1.852E 00	3.280E-01	4.786E-01	2.203E-02	1.311E-03	1.371E-07
125.0 - 150.0	1.946E 00	9.375E-01	2.335E-01	3.881E-02	1.823E-04	1.658E-04
150.0 - 175.0	1.957E 00	7.965E-01	3.840E-01	3.510E-02	4.244E-03	2.770E-05
175.0 - 200.0	1.095E 00	8.570E-01	3.668E-01	6.395E-02	5.975E-03	3.726E-04
200.0 - 250.0	1.137E 00	5.565E-01	2.869E-01	6.130E-02	8.380E-03	4.443E-04
250.0 - 300.0	5.700E-01	7.500E-01	1.527E-01	4.281E-02	4.099E-03	1.685E-03
300.0 - 350.0	3.016E-01	4.939E-01	1.628E-01	4.754E-02	4.317E-03	6.665E-04
350.0 - 400.0	1.532E-01	2.791E-01	1.678E-01	5.930E-02	3.197E-03	3.959E-04
400.0 - 450.0	1.226E-01	1.043E-01	1.312E-01	4.927E-02	2.264E-03	4.775E-04
450.0 - 500.0	7.670E-02	5.785E-02	7.645E-02	4.841E-02	2.455E-03	2.538E-04
500.0 - 600.0	5.025E-02	6.755E-02	5.810E-02	3.310E-02	4.017E-03	3.827E-04
600.0 - 800.0	1.532E-02	1.983E-02	1.252E-02	1.477E-02	2.363E-03	2.392E-04
800.0 - 1000.0	6.150E-03	7.975E-03	2.948E-03	3.857E-03	1.249E-03	1.358E-04
1000.0 - 1200.0	2.215E-03	2.077E-03	1.807E-03	1.396E-03	4.947E-04	8.625E-05
1200.0 - 1500.0	4.893E-04	6.415E-04	6.360E-04	3.301E-04	2.120E-04	4.274E-05
TOTAL ENERGY DEPOSITION/SEC	2.387E 08	2.353E 08	1.330E 08	7.156E 07	1.174E 07	1.547E 06

TABLE XX. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.000E 01 TO 1.200E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	1.089E-04	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	2.143E-09	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	2.319E-07	3.950E-08	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	9.030E-08	1.206E-08	.000E 00	.000E 00	4.747E-08	.000E 00
175.0 - 200.0	4.936E-06	1.927E-08	.000E 00	.000E 00	2.774E-05	.000E 00
200.0 - 250.0	1.068E-05	3.201E-06	.000E 00	.000E 00	6.915E-06	.000E 00
250.0 - 300.0	2.050E-06	2.821E-06	.000E 00	.000E 00	1.393E-05	.000E 00
300.0 - 350.0	1.239E-05	1.529E-06	1.952E-06	.000E 00	9.005E-07	.000E 00
350.0 - 400.0	2.200E-05	2.002E-06	3.741E-09	.000E 00	5.885E-06	.000E 00
400.0 - 450.0	3.501E-05	2.521E-06	7.260E-09	.000E 00	4.624E-10	3.943E-06
450.0 - 500.0	6.525E-05	1.318E-06	2.207E-08	.000E 00	1.274E-06	.000E 00
500.0 - 600.0	2.214E-05	6.900E-07	1.875E-07	2.967E-07	3.017E-07	1.974E-07
600.0 - 800.0	4.279E-05	7.920E-07	2.272E-07	6.900E-08	5.965E-07	3.384E-08
800.0 - 1000.0	1.430E-05	9.395E-07	3.303E-08	4.636E-07	4.232E-07	4.297E-07
1000.0 - 1200.0	5.545E-06	7.225E-07	8.975E-08	2.289E-07	3.924E-10	2.218E-09
1200.0 - 1500.0	8.395E-06	1.849E-06	1.400E-07	1.582E-08	1.674E-08	1.692E-08
TOTAL ENERGY DEPOSITION/SEC	1.820E 05	1.911E 04	1.795E 03	1.953E 03	3.815E 03	1.567E 03

TABLE XX. (Continued)

(kev $m^{-3}sec^{-1}$/source neutron)

1.000E 01 TO 1.200E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	1.515E-10
20.0 - 40.0	.000E 00	.000E 00	.000E 00	8.100E-08
40.0 - 60.0	.000E 00	.000E 00	.000E 00	3.246E-07
60.0 - 80.0	3.721E-07	.000E 00	.000E 00	3.894E-07
80.0 - 100.0	6.180E-08	.000E 00	.000E 00	2.270E-07
100.0 - 125.0	1.302E-08	.000E 00	1.834E-07	1.411E-06
125.0 - 150.0	.000E 00	.000E 00	3.011E-06	9.620E-07
150.0 - 175.0	.000E 00	.000E 00	1.005E-06	3.264E-07
175.0 - 200.0	.000E 00	.000E 00	6.120E-07	2.239E-07
200.0 - 250.0	1.829E-06	.000E 00	9.995E-08	5.495E-07
250.0 - 300.0	2.100E-07	4.782E-06	8.090E-07	3.072E-07
300.0 - 350.0	1.851E-06	6.555E-08	1.709E-06	5.065E-07
350.0 - 400.0	5.490E-07	9.405E-08	7.205E-07	4.814E-07
400.0 - 450.0	7.290E-08	1.580E-06	9.190E-07	3.255E-07
450.0 - 500.0	.000E 00	1.254E-06	5.920E-07	3.393E-07
500.0 - 600.0	7.340E-08	4.343E-07	6.285E-07	3.061E-07
600.0 - 800.0	5.830E-07	4.718E-07	3.911E-07	1.741E-07
800.0 - 1000.0	9.600E-08	2.910E-07	1.790E-07	8.945E-08
1000.0 - 1200.0	2.509E-07	9.380E-08	1.086E-07	4.581E-08
1200.0 - 1500.0	8.120E-08	3.068E-08	2.709E-08	1.454E-08
TOTAL ENERGY DEPOSITION/SEC	2.521E 03	2.441E 03	2.050E 03	9.666E 02

TABLE XXI. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 12.0 TO 13.5 MeV

(keV $m^{-3} sec^{-1}$/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	5.875E 02	2.242E 03	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	2.501E 01	.000E 00	2.364E 02	.000E 00	7.825E 01	.000E 00
20.0 - 40.0	1.864E 02	1.564E 02	1.706E 02	4.602E 01	4.323E 01	6.575E 00
40.0 - 60.0	1.982E 01	.000E 00	1.063E 01	6.130E 01	8.225E 00	9.415E 00
60.0 - 80.0	2.960E 01	9.515E 00	3.480E 01	1.976E 01	1.496E 01	3.062E 00
80.0 - 100.0	1.661E 01	1.261E 01	1.373E 01	1.906E 00	1.079E 01	2.688E 00
100.0 - 125.0	1.875E 00	9.340E 00	1.051E 01	2.424E 00	4.923E 00	5.765E 00
125.0 - 150.0	7.660E 00	2.338E 00	5.610E 00	1.896E 00	4.214E 00	5.605E 00
150.0 - 175.0	2.372E 00	4.408E-03	1.778E 00	2.009E 00	2.081E 00	4.280E 00
175.0 - 200.0	8.450E-01	1.324E-01	2.084E 00	1.025E 00	1.668E 00	2.649E 00
200.0 - 250.0	2.374E 00	1.594E 00	1.181E 00	1.073E 00	1.098E 00	1.420E 00
250.0 - 300.0	6.360E-01	2.825E-01	1.141E 00	6.115E-01	6.960E-01	8.990E-01
300.0 - 350.0	4.026E-01	5.215E-01	2.340E-02	3.436E-01	3.725E-01	2.598E-01
350.0 - 400.0	4.762E-01	2.564E-01	3.512E-01	4.202E-01	2.283E-01	2.323E-01
400.0 - 450.0	3.237E-01	1.822E-01	1.008E-01	2.504E-01	2.190E-01	2.687E-01
450.0 - 500.0	3.520E-01	2.688E-01	3.671E-02	8.460E-02	1.208E-01	1.294E-01
500.0 - 600.0	6.080E-02	1.986E-02	3.939E-02	8.015E-02	5.070E-02	3.277E-02
600.0 - 800.0	3.274E-02	2.031E-02	2.443E-02	2.193E-02	2.049E-02	2.443E-02
800.0 - 1000.0	4.751E-04	4.341E-03	5.900E-06	6.835E-03	5.810E-03	9.370E-03
1000.0 - 1200.0	5.205E-03	.000E 00	5.370E-03	1.600E-03	2.921E-03	1.650E-03
1200.0 - 1500.0	4.434E-03	2.252E-04	1.656E-03	5.070E-04	5.460E-04	7.295E-04
TOTAL ENERGY DEPOSITION/SEC	5.853E 08	3.601E 08	4.526E 08	3.712E 08	3.633E 08	3.755E 08

TABLE XXI. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.200E 01 TO 1.350E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	3.043E-01	.000E 00	.000E 00	.000E 00	4.882E-06	.000E 00
20.0 - 40.0	1.047E 01	1.097E-01	6.970E-02	9.840E-05	2.470E-05	.000E 00
40.0 - 60.0	7.965E-02	3.812E-01	1.066E-02	1.848E-03	1.957E-06	.000E 00
60.0 - 80.0	9.915E-02	1.470E-01	4.421E-02	9.735E-02	1.063E-06	9.150E-05
80.0 - 100.0	1.824E 00	8.070E-01	2.026E-02	2.044E-03	1.296E-05	9.655E-04
100.0 - 125.0	1.326E 00	8.570E-01	3.236E-02	4.646E-03	2.097E-02	4.655E-05
125.0 - 150.0	2.265E 00	5.580E-01	4.403E-02	7.930E-02	1.667E-02	1.747E-06
150.0 - 175.0	1.165E 00	6.845E-01	2.204E-01	4.008E-02	1.728E-02	6.850E-06
175.0 - 200.0	1.681E 00	1.148E 00	2.450E-01	1.248E-01	1.122E-03	9.515E-05
200.0 - 250.0	1.360E 00	3.763E-01	2.849E-01	1.972E-02	3.222E-03	5.730E-05
250.0 - 300.0	7.270E-01	5.675E-01	2.186E-01	4.015E-02	1.093E-03	6.530E-05
300.0 - 350.0	4.295E-01	4.940E-01	2.321E-01	4.419E-02	2.727E-03	1.058E-04
350.0 - 400.0	2.135E-01	1.894E-01	1.993E-01	3.278E-02	4.225E-03	3.577E-04
400.0 - 450.0	1.607E-01	1.786E-01	1.944E-01	2.333E-02	3.009E-03	5.095E-04
450.0 - 500.0	1.104E-01	7.065E-02	7.960E-02	2.309E-02	3.276E-03	9.425E-05
500.0 - 600.0	3.271E-02	5.590E-02	5.235E-02	2.672E-02	1.245E-03	1.602E-04
600.0 - 800.0	2.033E-02	1.879E-02	1.478E-02	1.185E-02	1.296E-03	1.196E-04
800.0 - 1000.0	8.120E-03	5.740E-03	4.380E-03	3.086E-03	1.032E-03	4.606E-05
1000.0 - 1200.0	2.122E-03	2.244E-03	1.799E-03	1.302E-03	3.963E-04	4.079E-05
1200.0 - 1500.0	6.420E-04	7.730E-04	5.330E-04	2.779E-04	1.678E-04	6.490E-05
TOTAL ENERGY DEPOSITION/SEC	2.780E 08	2.147E 08	1.474E 08	5.372E 07	8.412E 06	9.940E 05

TABLE XXI. (Continued)

($keV\ m^{-3} sec^{-1}$/source neutron)

1.200E 01 TO 1.350E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	1.924E-08	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	1.938E-08	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	8.610E-09	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	9.630E-09	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	4.242E-09	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	7.150E-06	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	7.670E-08	6.560E-08	1.816E-07	.000E 00	.000E 00	.000E 00
200.0 - 250.0	1.183E-05	2.161E-08	4.734E-07	.000E 00	.000E 00	.000E 00
250.0 - 300.0	5.615E-06	4.221E-07	3.151E-08	.000E 00	1.145E-05	.000E 00
300.0 - 350.0	2.169E-05	3.241E-08	2.640E-06	.000E 00	.000E 00	.000E 00
350.0 - 400.0	1.934E-05	1.048E-05	2.272E-07	.000E 00	.000E 00	.000E 00
400.0 - 450.0	9.860E-06	1.239E-06	6.900E-07	.000E 00	.000E 00	.000E 00
450.0 - 500.0	6.335E-06	9.760E-07	1.723E-07	.000E 00	8.335E-07	.000E 00
500.0 - 600.0	5.050E-07	3.377E-06	2.029E-07	.000E 00	1.078E-06	6.745E-09
600.0 - 800.0	6.900E-06	1.350E-06	2.939E-07	1.318E-08	8.185E-07	5.265E-07
800.0 - 1000.0	4.641E-06	6.535E-07	6.835E-08	5.380E-07	1.803E-08	.000E 00
1000.0 - 1200.0	1.848E-05	3.663E-07	8.615E-08	7.295E-08	1.331E-07	.000E 00
1200.0 - 1500.0	6.315E-06	2.775E-08	1.895E-08	6.460E-08	1.065E-07	3.921E-08
TOTAL ENERGY DEPOSITION/SEC	1.240E 05	6.895E 03	1.292E 03	1.784E 03	3.268E 03	9.257E 02

TABLE XXI. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.200E 01 TO 1.350E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	3.066E-08
40.0 - 60.0	.000E 00	.000E 00	.000E 00	2.634E-08
60.0 - 80.0	.000E 00	.000E 00	7.360E-07	8.355E-07
80.0 - 100.0	.000E 00	.000E 00	4.209E-06	8.770E-07
100.0 - 125.0	.000E 00	.000E 00	8.250E-09	5.770E-07
125.0 - 150.0	.000E 00	.000E 00	2.070E-07	4.940E-07
150.0 - 175.0	.000E 00	.000E 00	8.935E-07	5.535E-07
175.0 - 200.0	.000E 00	.000E 00	3.089E-06	1.205E-07
200.0 - 250.0	.000E 00	.000E 00	1.946E-06	4.674E-07
250.0 - 300.0	.000E 00	.000E 00	5.855E-07	3.939E-07
300.0 - 350.0	.000E 00	.000E 00	1.159E-06	4.083E-07
350.0 - 400.0	8.305E-07	2.514E-09	1.097E-06	3.549E-07
400.0 - 450.0	1.174E-06	3.680E-09	5.245E-07	3.598E-07
450.0 - 500.0	2.207E-07	4.574E-07	3.913E-07	2.886E-07
500.0 - 600.0	2.934E-08	1.358E-06	4.256E-07	2.858E-07
600.0 - 800.0	3.941E-07	1.782E-07	3.714E-07	1.266E-07
800.0 - 1000.0	1.121E-07	3.110E-07	8.590E-08	7.060E-08
1000.0 - 1200.0	1.150E-07	1.813E-08	6.390E-08	4.495E-08
1200.0 - 1500.0	2.030E-08	5.045E-08	3.469E-08	1.626E-08
TOTAL ENERGY DEPOSITION/SEC	1.458E 03	1.844E 03	1.664E 03	8.476E 02

TABLE XXII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 13.5 TO 15.0

(keV m^{-3} sec^{-1}/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) .00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06
.0 - 10.0	1.603E 03	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	1.747E 02	1.405E 03	.000E 00	6.520E 01	.000E 00	.000E 00
20.0 - 40.0	2.077E 02	2.227E 02	1.131E 02	3.012E 01	1.971E 01	2.190E 00
40.0 - 60.0	7.525E-01	1.039E 01	3.974E 01	5.675E 01	3.457E 01	3.769E 00
60.0 - 80.0	2.195E 01	5.140E 01	1.174E 01	2.361E 01	1.579E 01	3.444E 00
80.0 - 100.0	2.668E 00	9.985E 00	1.176E 01	7.105E 00	8.735E 00	3.094E 00
100.0 - 125.0	1.444E 00	6.130E 00	4.129E 00	4.344E 00	7.275E 00	5.480E 00
125.0 - 150.0	8.880E-01	2.926E 00	6.245E 00	2.828E 00	5.215E 00	5.040E 00
150.0 - 175.0	1.792E 00	4.726E 00	5.725E-01	2.000E 00	2.032E 00	4.011E 00
175.0 - 200.0	1.036E 00	2.379E 00	3.083E 00	3.486E-01	1.892E 00	3.345E 00
200.0 - 250.0	8.295E-01	2.005E 00	7.745E-01	1.242E 00	9.565E-01	1.102E 00
250.0 - 300.0	8.130E-01	3.550E-01	6.390E-01	7.970E-01	7.865E-01	9.055E-01
300.0 - 350.0	4.004E-01	1.389E 00	4.342E-01	4.020E-01	4.869E-01	2.443E-01
350.0 - 400.0	2.673E-01	4.893E-02	5.575E-02	2.132E-01	2.425E-01	2.995E-01
400.0 - 450.0	1.255E-01	1.874E-01	1.575E-01	8.695E-02	1.381E-01	1.912E-01
450.0 - 500.0	3.241E-01	4.782E-01	1.215E-01	1.151E-01	1.216E-01	1.416E-01
500.0 - 600.0	3.567E-02	8.475E-02	7.700E-02	7.055E-02	6.500E-02	9.195E-02
600.0 - 800.0	1.526E-02	2.446E-02	4.809E-02	2.313E-02	3.544E-02	1.987E-02
800.0 - 1000.0	1.570E-02	1.014E-03	1.508E-03	7.875E-03	8.450E-03	8.445E-03
1000.0 - 1200.0	.000E 00	4.194E-03	5.405E-05	1.633E-03	4.582E-03	2.722E-03
1200.0 - 1500.0	.000E 00	.000E 00	1.327E-03	1.635E-03	2.286E-03	5.840E-04
TOTAL ENERGY DEPOSITION/SEC	3.715E 08	6.359E 08	4.085E 08	3.810E 08	4.326E 08	3.880E 08

TABLE XXII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.350E 01 TO 1.500E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 3.00E-06 - 5.00E-06	5.00E-06 - 7.00E-06	7.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.50E-05	3.50E-05 - 5.00E-05
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	3.208E-01	1.065E-01	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	7.265E-01	6.320E-02	1.893E-02	2.326E-02	.000E 00	.000E 00
40.0 - 60.0	2.407E 00	2.203E-02	1.213E-02	2.900E-03	6.615E-05	.000E 00
60.0 - 80.0	1.820E 00	8.320E-02	9.500E-03	1.049E-02	1.094E-04	3.519E-05
80.0 - 100.0	1.078E 00	1.238E-01	1.176E-02	2.143E-02	6.260E-03	.000E 00
100.0 - 125.0	1.331E 00	5.750E-01	1.785E-02	1.394E-02	1.560E-02	4.767E-05
125.0 - 150.0	1.396E 00	4.039E-01	1.250E-01	2.333E-02	1.848E-03	2.907E-07
150.0 - 175.0	1.417E 00	4.785E-01	2.216E-01	6.340E-02	3.643E-03	7.705E-06
175.0 - 200.0	1.367E 00	7.380E-01	8.755E-02	4.380E-02	2.353E-03	3.024E-05
200.0 - 250.0	1.034E 00	3.946E-01	2.276E-01	2.943E-02	5.165E-03	3.936E-05
250.0 - 300.0	8.070E-01	3.964E-01	2.616E-01	2.590E-02	3.543E-03	1.975E-05
300.0 - 350.0	2.931E-01	3.127E-01	1.104E-01	2.860E-02	1.146E-03	2.216E-04
350.0 - 400.0	1.966E-01	2.429E-01	8.070E-02	3.427E-02	4.527E-03	4.310E-05
400.0 - 450.0	1.348E-01	1.267E-01	1.312E-01	3.294E-02	8.475E-04	4.352E-05
450.0 - 500.0	5.265E-02	6.135E-02	9.245E-02	3.126E-02	4.107E-03	5.615E-05
500.0 - 600.0	5.300E-02	4.261E-02	6.350E-02	1.928E-02	1.628E-03	2.088E-04
600.0 - 800.0	1.908E-02	1.363E-02	2.053E-02	1.181E-02	1.072E-03	8.410E-05
800.0 - 1000.0	7.185E-03	7.490E-03	5.395E-03	2.649E-03	1.158E-03	1.016E-04
1000.0 - 1200.0	2.045E-03	1.919E-03	1.192E-03	7.420E-04	4.301E-04	1.522E-05
1200.0 - 1500.0	8.000E-04	5.160E-04	8.685E-05	3.943E-04	2.030E-04	3.945E-05
TOTAL ENERGY DEPOSITION/SEC	2.481E 08	1.720E 08	1.308E 08	4.895E 07	8.663E 06	7.443E 05

TABLE XXII. (Continued)

(keV $m^{-3}sec^{-1}$/source neutron)

1.350E 01 TO 1.500E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 5.00E-05 - 7.00E-05	7.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04	2.00E-04 - 4.00E-04	4.00E-04 - 7.00E-04	7.00E-04 - 1.00E-03
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	4.792E-06	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	1.255E-05	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	6.410E-06	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	4.673E-06	6.170E-06	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	4.979E-05	2.715E-07	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	6.235E-06	4.716E-06	2.273E-09	.000E 00	.000E 00	1.537E-05
350.0 - 400.0	3.870E-05	1.106E-07	2.729E-06	.000E 00	.000E 00	5.970E-06
400.0 - 450.0	3.680E-06	1.397E-07	3.051E-08	.000E 00	.000E 00	2.606E-07
450.0 - 500.0	5.535E-06	8.800E-07	2.389E-08	.000E 00	4.777E-08	3.040E-07
500.0 - 600.0	1.669E-05	3.327E-06	3.342E-07	.000E 00	3.699E-08	3.047E-06
600.0 - 800.0	5.125E-06	5.510E-07	2.687E-07	.000E 00	4.312E-07	7.235E-07
800.0 - 1000.0	1.621E-05	7.770E-07	1.032E-07	2.867E-07	2.546E-07	9.790E-07
1000.0 - 1200.0	3.750E-06	2.795E-07	2.949E-07	1.992E-07	8.265E-08	1.126E-07
1200.0 - 1500.0	3.017E-06	1.296E-07	3.353E-08	1.920E-08	6.570E-08	1.380E-08
TOTAL ENERGY DEPOSITION/SEC	8.577E 04	6.050E 03	2.051E 03	1.326E 03	1.781E 03	6.121E 03

TABLE XXII. (Continued)

(keV $m^{-3} sec^{-1}$/source neutron)

1.350E 01 TO 1.500E 01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC) 1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	3.50E-03 - 1.50E-02	1.50E-02 - 1.00E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	2.793E-07
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	2.489E-07	9.300E-08
60.0 - 80.0	.000E 00	1.013E-07	1.765E-06	5.395E-07
80.0 - 100.0	.000E 00	6.690E-08	1.269E-07	5.475E-07
100.0 - 125.0	.000E 00	9.615E-07	4.680E-08	4.451E-07
125.0 - 150.0	.000E 00	4.393E-05	5.220E-08	5.465E-07
150.0 - 175.0	.000E 00	2.194E-07	1.575E-07	8.255E-07
175.0 - 200.0	.000E 00	2.381E-07	2.255E-07	3.801E-07
200.0 - 250.0	.000E 00	3.782E-06	1.574E-06	5.015E-07
250.0 - 300.0	2.354E-06	1.127E-06	2.691E-06	6.300E-07
300.0 - 350.0	1.197E-06	1.766E-06	2.072E-06	4.815E-07
350.0 - 400.0	1.617E-07	3.273E-08	1.421E-06	5.125E-07
400.0 - 450.0	8.330E-07	6.325E-07	7.590E-07	3.785E-07
450.0 - 500.0	1.908E-08	1.834E-06	2.817E-07	2.957E-07
500.0 - 600.0	5.790E-07	9.630E-07	7.505E-07	2.445E-07
600.0 - 800.0	6.560E-07	1.290E-07	4.280E-07	1.834E-07
800.0 - 1000.0	2.291E-07	1.518E-07	1.502E-07	7.875E-08
1000.0 - 1200.0	5.720E-08	8.140E-08	1.075E-07	4.122E-08
1200.0 - 1500.0	2.721E-09	4.794E-08	2.626E-08	1.989E-08
TOTAL ENERGY DEPOSITION/SEC	1.999E 03	2.313E 03	2.208E 03	9.709E 02

TABLE XXIII. SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE AND NEUTRON SOURCE ENERGY INTERVAL FOR POINT ISOTROPIC NEUTRON SOURCES

(keV m^{-3}/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	SOURCE ENERGY BOUNDS (MEV) 1.000E-03 - 3.350E-03	3.350E-03 - 9.120E-03	9.120E-03 - 2.480E-02	2.480E-02 - 6.760E-02	6.760E-02 - 1.840E-01	1.840E-01 - 3.030E-01
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	1.524E-07	1.021E-10	1.047E-06	.000E 00	1.425E-08	.000E 00
20.0 - 40.0	2.319E-06	3.740E-06	2.517E-06	2.945E-06	4.802E-07	5.310E-07
40.0 - 60.0	1.685E-06	3.176E-06	2.251E-06	7.240E-07	3.195E-07	6.940E-07
60.0 - 80.0	2.280E-06	1.997E-06	2.202E-06	1.473E-06	1.067E-06	9.660E-07
80.0 - 100.0	2.884E-06	2.742E-06	2.275E-06	9.275E-07	1.004E-06	9.690E-07
100.0 - 125.0	1.892E-06	1.533E-06	1.732E-06	1.432E-06	9.565E-07	5.560E-07
125.0 - 150.0	2.369E-06	1.703E-06	1.334E-06	1.101E-06	1.131E-06	5.090E-07
150.0 - 175.0	1.956E-06	1.470E-06	1.220E-06	1.094E-06	1.190E-06	7.045E-07
175.0 - 200.0	1.310E-06	1.315E-06	1.116E-06	9.255E-07	9.080E-07	7.740E-07
200.0 - 250.0	1.088E-06	1.043E-06	8.195E-07	7.755E-07	6.135E-07	5.090E-07
250.0 - 300.0	7.600E-07	7.160E-07	6.920E-07	5.710E-07	5.435E-07	5.410E-07
300.0 - 350.0	5.570E-07	4.738E-07	5.740E-07	5.145E-07	4.345E-07	3.785E-07
350.0 - 400.0	2.908E-07	3.528E-07	3.207E-07	3.681E-07	3.563E-07	3.055E-07
400.0 - 450.0	1.933E-07	2.019E-07	2.276E-07	2.640E-07	2.213E-07	2.318E-07
450.0 - 500.0	1.283E-07	1.875E-07	1.718E-07	1.649E-07	1.770E-07	1.860E-07
500.0 - 600.0	7.960E-08	9.410E-08	9.165E-08	1.123E-07	1.169E-07	1.253E-07
600.0 - 800.0	3.066E-08	3.934E-08	3.471E-08	4.111E-08	4.962E-08	5.115E-08
800.0 - 1000.0	1.198E-08	1.055E-08	1.118E-08	1.315E-08	1.621E-08	1.432E-08
1000.0 - 1200.0	3.388E-09	3.795E-09	3.983E-09	4.990E-09	5.190E-09	5.745E-09
1200.0 - 1500.0	1.382E-09	1.314E-09	1.982E-09	1.449E-09	1.449E-09	1.448E-09
TOTAL	3.493E 02	3.606E 02	3.493E 02	3.545E 02	3.554E 02	3.383E 02

TABLE XXIII. (Continued)

(keV m^{-3}/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	SECONDARY GAMMAS SOURCE ENERGY BOUNDS (MEV) 3.030E-01 - 5.000E-01	5.000E-01 - 8.230E-01	8.230E-01 - 1.353E 00	1.353E 00 - 1.738E 00	1.738E 00 - 2.232E 00	2.232E 00 - 2.865E 00
.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	2.361E-06
10.0 - 20.0	2.168E-07	4.391E-06	1.909E-09	.000E 00	.000E 00	3.380E-07
20.0 - 40.0	8.725E-07	5.950E-07	8.110E-07	4.117E-08	2.358E-07	1.924E-07
40.0 - 60.0	1.750E-06	4.286E-07	2.765E-07	1.362E-07	2.893E-07	5.480E-07
60.0 - 80.0	4.081E-07	3.269E-07	6.690E-07	1.443E-07	2.290E-07	1.651E-07
80.0 - 100.0	9.610E-07	5.160E-07	2.783E-07	2.486E-07	4.403E-07	1.240E-07
100.0 - 125.0	7.370E-07	4.028E-07	3.164E-07	2.344E-07	1.902E-07	2.483E-07
125.0 - 150.0	6.265E-07	4.497E-07	4.518E-07	2.751E-07	2.602E-07	1.340E-07
150.0 - 175.0	5.580E-07	4.036E-07	5.220E-07	1.672E-07	2.299E-07	1.619E-07
175.0 - 200.0	5.350E-07	3.755E-07	2.528E-07	1.510E-07	3.182E-07	1.458E-07
200.0 - 250.0	6.250E-07	3.570E-07	2.485E-07	2.031E-07	2.269E-07	1.462E-07
250.0 - 300.0	4.616E-07	3.922E-07	3.136E-07	2.226E-07	2.345E-07	1.450E-07
300.0 - 350.0	4.014E-07	3.028E-07	2.452E-07	2.103E-07	1.615E-07	1.255E-07
350.0 - 400.0	3.196E-07	2.531E-07	2.050E-07	1.732E-07	1.348E-07	9.540E-08
400.0 - 450.0	2.614E-07	1.883E-07	2.052E-07	1.352E-07	1.384E-07	8.825E-08
450.0 - 500.0	1.814E-07	1.727E-07	1.514E-07	1.009E-07	1.206E-07	7.245E-08
500.0 - 600.0	1.116E-07	1.219E-07	1.137E-07	1.039E-07	7.680E-08	5.840E-08
600.0 - 800.0	4.751E-08	6.250E-08	5.595E-08	5.080E-08	4.549E-08	4.443E-08
800.0 - 1000.0	1.627E-08	1.803E-08	1.969E-08	2.300E-08	1.982E-08	1.834E-08
1000.0 - 1200.0	4.919E-09	7.510E-09	8.555E-09	9.680E-09	9.310E-09	8.615E-09
1200.0 - 1500.0	1.683E-09	1.840E-09	2.957E-09	2.822E-09	2.804E-09	2.521E-09
TOTAL	3.347E 02	3.287E 02	3.144E 02	2.811E 02	2.570E 02	2.128E 02

TABLE XXIII. (Continued)

(keV m^{-3}/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	SECONDARY GAMMAS SOURCE ENERGY BOUNDS (MEV) 2.865E 00 - 3.680E 00	3.680E 00 - 6.070E 00	6.070E 00 - 7.790E 00	7.790E 00 - 1.000E 01	1.000E 01 - 1.200E 01	1.200E 01 - 1.350E 01
.0 - 10.0	5.195E-06	6.320E-06	3.100E-04	.000E 00	.000E 00	3.417E-04
10.0 - 20.0	3.250E-06	1.680E-06	9.930E-05	2.146E-04	4.476E-04	1.311E-04
20.0 - 40.0	9.435E-07	2.138E-05	2.836E-05	6.720E-05	1.923E-04	1.812E-04
40.0 - 60.0	4.744E-07	9.145E-06	3.492E-05	3.133E-05	7.455E-05	5.535E-05
60.0 - 80.0	3.176E-07	5.915E-06	2.477E-05	4.161E-05	5.120E-05	4.341E-05
80.0 - 100.0	2.739E-07	1.584E-06	1.548E-05	2.641E-05	3.007E-05	2.724E-05
100.0 - 125.0	2.806E-07	2.133E-06	8.265E-06	1.384E-05	2.313E-05	2.019E-05
125.0 - 150.0	2.117E-07	1.526E-06	8.810E-06	1.600E-05	1.777E-05	2.052E-05
150.0 - 175.0	2.096E-07	1.160E-06	4.386E-06	1.138E-05	1.485E-05	1.327E-05
175.0 - 200.0	1.656E-07	9.375E-07	4.066E-06	8.000E-06	1.145E-05	1.314E-05
200.0 - 250.0	1.212E-07	7.170E-07	2.662E-06	5.145E-06	7.615E-06	8.560E-06
250.0 - 300.0	1.262E-07	4.526E-07	2.067E-06	3.324E-06	5.460E-06	5.790E-06
300.0 - 350.0	1.046E-07	3.008E-07	1.528E-06	2.857E-06	3.916E-06	4.018E-06
350.0 - 400.0	8.325E-08	3.080E-07	1.182E-06	2.267E-06	2.811E-06	2.706E-06
400.0 - 450.0	7.490E-08	1.846E-07	8.105E-07	1.456E-06	2.024E-06	2.302E-06
450.0 - 500.0	7.885E-08	1.454E-07	4.709E-07	1.049E-06	1.381E-06	1.309E-06
500.0 - 600.0	5.880E-08	9.760E-08	3.570E-07	7.365E-07	1.044E-06	8.000E-07
600.0 - 800.0	3.225E-08	4.065E-08	1.548E-07	3.168E-07	3.772E-07	3.480E-07
800.0 - 1000.0	1.542E-08	1.520E-08	6.145E-08	1.274E-07	1.272E-07	1.148E-07
1000.0 - 1200.0	7.345E-09	7.000E-09	2.467E-08	3.960E-08	5.110E-08	4.632E-08
1200.0 - 1500.0	2.373E-09	2.542E-09	5.710E-09	1.296E-08	1.579E-08	1.553E-08
TOTAL	1.841E 02	3.500E 02	1.379E 03	2.653E 03	3.508E 03	3.374E 03

TABLE XXIII. (Continued)

(keV m^{-3}/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	SECONDARY GAMMAS SOURCE ENERGY BOUNDS (MEV) 1.350E 01 - 1.500E 01
.0 - 10.0	3.205E-04
10.0 - 20.0	2.090E-04
20.0 - 40.0	1.252E-04
40.0 - 60.0	8.080E-05
60.0 - 80.0	4.692E-05
80.0 - 100.0	2.206E-05
100.0 - 125.0	2.093E-05
125.0 - 150.0	1.774E-05
150.0 - 175.0	1.321E-05
175.0 - 200.0	1.145E-05
200.0 - 250.0	7.180E-06
250.0 - 300.0	6.010E-06
300.0 - 350.0	3.161E-06
350.0 - 400.0	2.313E-06
400.0 - 450.0	1.750E-06
450.0 - 500.0	1.369E-06
500.0 - 600.0	8.580E-07
600.0 - 800.0	3.663E-07
800.0 - 1000.0	1.249E-07
1000.0 - 1200.0	3.929E-08
1200.0 - 1500.0	1.659E-08
TOTAL	3.212E 03

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