Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu
- Ash Pits West Excavation Soil File: RSCSSP_Probability.RAD

Random Seed = 1000

Number of Variables = 8

Number of Observations = 1000

The sample input vectors will be printed along with their corresponding ranks.

The correlation matrices (raw data and rank correlations) will be printed.

Number	Label	and Description of Variable	DISTRIBUTION	Range	Parameters
1	FIND	Indoor time fraction	TRIANGULAR	from 0.408 to 0.815	with MODE = 0.545
2	FOTD	Outdoor time fraction	TRIANGULAR	from 7.200E-02 to 0.144	with MODE = 9.600E-02
3	DIET(1)	Fruit, vegetable, and grain co	LOGNORMAL-N		with MU = 2.02 and SIGMA = 1.04
4	DIET(2)	Leafy vegetable consumption	LOGNORMAL-N		with MU = -1.12 and SIGMA = 1.77
5	INHALR	Inhalation rate	LOGNORMAL-N		with MU = 8.08 and SIGMA = 0.305
6	MLINH	Mass loading for inhalation			

CONTINUOUS LINEAR Distribution with 8 points

X(1) =	1.000E-05	CUM PROB(1) =	0.00
X(2) =	2.020E-05	CUM PROB(2) =	0.338
X(3) =	2.310E-05	CUM PROB(3) =	0.788
X(4) =	5.070E-05	CUM PROB(4) =	0.919
X(5) =	5.800E-05	CUM PROB(5) =	0.944
X(6) =	9.570E-05	CUM PROB(6) =	0.969
X(7) =	1.090E-04	CUM PROB(7) =	0.994
X(8) =	2.000E-04	CUM PROB(8) =	1.00

7 MLFD Mass loading for foliar deposi

CONTINUOUS LINEAR Distribution with 8 points

X(1) =	2.500E-05	CUM PROB(1) =	0.00
X(2) =	5.050E-05	CUM PROB(2) =	0.338
X(3) =	5.770E-05	CUM PROB(3) =	0.788
X(4) =	1.270E-04	CUM PROB(4) =	0.919
X(5) =	1.450E-04	CUM PROB(5) =	0.944
X(6) =	2.390E-04	CUM PROB(6) =	0.969

X(7) = 2.740E-04 CUM PROB(7) = 0.994
X(8) = 5.000E-04 CUM PROB(8) = 1.00

8 SOIL Soil ingestion
BOUNDED LOGNORMAL-N from 1.00 to 365. with MU = 1.91 and SIGMA = 1.37

Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu
- Ash Pits West Excavation Soil File: RSCSSP_Probability.RAD

Latin Hypercube Sample Input

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LATIN HYPERCUBE SAMPLE INPUT VECTORS

RUN NO.	X(1)	X(2)	X(3)	X(4)	X(5)	X(6)	X(7)	X(8)
1	0.771	0.112	1.98	0.117	4.404E+03	2.237E-05	5.721E-05	9.99
2	0.561	0.101	15.7	1.32	3.089E+03	9.917E-05	5.526E-05	11.3
3	0.603	0.115	12.1	3.35	4.600E+03	1.703E-05	5.272E-05	1.08
4	0.525	9.127E-02	12.5	0.147	3.926E+03	2.193E-05	3.182E-05	2.62
5	0.571	9.362E-02	0.640	1.49	4.825E+03	2.119E-05	4.403E-05	5.71
6	0.520	8.334E-02	10.6	0.330	2.055E+03	1.910E-05	5.584E-05	3.17
7	0.706	0.104	17.7	0.317	2.372E+03	1.179E-05	4.624E-05	11.4
8	0.559	0.112	2.12	0.171	2.694E+03	2.210E-05	5.058E-05	20.7
9	0.500	0.102	15.4	5.99	2.726E+03	2.262E-05	5.064E-05	35.1
10	0.510	0.114	1.74	6.10	3.730E+03	2.182E-05	6.527E-05	4.50
11	0.720	0.102	9.62	2.56	2.965E+03	2.809E-05	5.082E-05	3.71
12	0.720	9.435E-02	6.23	3.912E-02	2.611E+03	2.055E-05	1.193E-04	188.
13	0.558	9.839E-02	3.35	0.309	3.942E+03	3.316E-05	4.887E-05	5.98
14	0.590	0.117	4.25	0.934	1.979E+03	5.878E-05	5.724E-05	27.3
15	0.721	9.858E-02	1.36	1.467E-02	3.963E+03	2.137E-05	5.368E-05	5.62
16	0.611	0.105	29.1	2.843E-02	4.513E+03	1.768E-05	1.827E-04	13.9
17	0.740	9.814E-02	11.9	1.849E-02	3.618E+03	1.846E-05		

5.057E-05 17.0
    18   0.688   9.485E-02 44.4   0.396   1.932E+03 1.250E-05
4.342E-05 12.7
    19   0.620   0.101   8.97   4.76   4.672E+03 1.359E-05
5.676E-05 7.92
    20   0.611   8.030E-02 11.3   0.550   2.476E+03 2.097E-05
5.720E-05 2.50
    21   0.622   0.104   13.0   0.162   2.060E+03 1.304E-05
8.723E-05 5.66
    22   0.574   9.465E-02 19.6   0.527   2.157E+03 2.218E-05
5.654E-05 6.61
    23   0.544   9.899E-02 8.74   0.721   2.590E+03 5.551E-05
2.312E-04 4.49
    24   0.531   0.103   2.79   9.769E-02 2.422E+03 1.246E-05
5.052E-05 16.3
    25   0.621   0.119   3.18   0.289   3.652E+03 1.953E-05
5.545E-05 9.89
    26   0.453   0.103   4.83   0.122   2.287E+03 1.461E-05
5.157E-05 4.16
    27   0.478   0.133   1.26   3.96   6.446E+03 2.204E-05
5.580E-05 8.65
    28   0.554   0.115   30.6   5.481E-02 3.704E+03 1.085E-05
5.028E-05 4.33
    29   0.703   0.105   8.76   13.1   5.208E+03 1.244E-05
9.264E-05 5.24
    30   0.705   0.117   32.0   0.250   4.660E+03 4.576E-05
5.374E-05 3.31
    31   0.572   0.113   6.45   0.596   4.060E+03 2.198E-05
5.682E-05 1.62
    32   0.501   0.101   13.9   3.63   2.815E+03 1.087E-04
5.420E-05 15.7
    33   0.512   8.974E-02 12.7   0.948   2.544E+03 1.137E-05
5.451E-05 1.94
    34   0.615   0.135   4.94   0.835   3.161E+03 1.522E-05
5.543E-05 2.41
    35   0.507   0.129   2.02   0.173   3.804E+03 2.728E-05
5.386E-05 8.98
    36   0.651   0.128   27.8   0.919   4.891E+03 1.864E-05
4.023E-04 25.2
    37   0.623   8.855E-02 15.1   17.3   4.219E+03 1.135E-05
2.559E-04 4.78
    38   0.636   9.186E-02 11.0   3.47   3.271E+03 2.151E-05
5.364E-05 1.04
    39   0.522   9.254E-02 13.1   3.134E-02 1.927E+03 3.518E-05
2.445E-04 23.0
    40   0.505   0.118   9.56   1.37   3.871E+03 3.419E-05
4.735E-05 2.89
    41   0.758   8.757E-02 13.3   0.578   3.183E+03 1.384E-05
5.289E-05 2.58
    42   0.721   0.107   3.57   2.15   3.714E+03 2.160E-05
5.605E-05 1.44
    43   0.528   7.660E-02 11.9   0.229   3.838E+03 1.268E-05
4.802E-05 13.0
    44   0.616   0.103   51.3   4.14   1.827E+03 1.271E-05
5.599E-05 25.1
    45   0.564   9.162E-02 13.5   0.998   2.759E+03 1.315E-05
5.146E-05 9.75
    46   0.653   9.147E-02 19.6   2.888E-02 1.887E+03 2.020E-05
2.812E-05 3.21
    47   0.616   0.116   2.31   0.357   3.724E+03 2.125E-05

5.441E-05 3.60
    48   0.636   0.116   37.9   23.9   3.817E+03 1.933E-05
3.926E-05 2.17
    49   0.755   0.108   3.15   1.03   2.830E+03 2.035E-05
5.204E-05 19.8
    50   0.699   0.118   11.3   8.650E-02 2.916E+03 2.067E-05
2.729E-05 12.2
    51   0.468   8.533E-02 3.83   0.235   2.152E+03 2.303E-05
2.679E-05 18.6
    52   0.553   0.101   7.20   0.111   2.036E+03 9.575E-05
1.285E-04 2.02
    53   0.543   0.122   4.78   0.197   3.901E+03 1.669E-05
4.350E-05 1.89
    54   0.638   0.136   12.1   9.237E-02 3.598E+03 1.026E-04
5.596E-05 2.68
    55   0.523   8.444E-02 16.8   0.184   3.914E+03 1.485E-05
3.672E-05 14.5
    56   0.753   9.756E-02 9.76   2.085E-02 3.718E+03 1.157E-05
5.197E-05 14.0
    57   0.627   9.092E-02 2.58   0.135   2.948E+03 1.197E-05
3.777E-05 1.66
    58   0.527   9.451E-02 40.5   0.379   2.177E+03 1.462E-05
5.186E-05 7.22
    59   0.732   0.109   4.14   0.333   2.706E+03 2.091E-05
4.017E-05 310.
    60   0.613   0.116   9.92   0.112   3.336E+03 2.991E-05
5.113E-05 58.2
    61   0.547   8.647E-02 7.67   5.15   2.347E+03 2.075E-05
5.448E-05 11.5
    62   0.478   0.119   8.95   4.27   4.286E+03 2.241E-05
4.633E-05 21.0
    63   0.610   8.477E-02 3.95   0.197   2.494E+03 2.158E-05
3.628E-05 36.8
    64   0.760   0.127   1.24   0.424   3.741E+03 2.087E-05
2.470E-04 1.23
    65   0.549   0.134   4.10   2.72   4.536E+03 1.322E-05
2.967E-05 1.46
    66   0.751   9.607E-02 3.59   4.792E-02 2.692E+03 4.940E-05
6.215E-05 4.73
    67   0.651   9.555E-02 3.07   2.69   3.784E+03 1.030E-04
5.334E-05 6.10
    68   0.740   0.120   1.58   0.176   2.954E+03 1.226E-05
4.683E-05 2.37
    69   0.576   0.117   4.02   2.548E-02 3.441E+03 1.426E-05
5.391E-05 124.
    70   0.495   0.112   0.506   0.177   2.853E+03 2.308E-05
5.462E-05 8.40
    71   0.682   9.976E-02 9.23   18.5   3.552E+03 4.761E-05
5.142E-05 9.02
    72   0.736   9.926E-02 3.03   1.72   3.077E+03 4.034E-05
5.483E-05 3.42
    73   0.716   0.104   40.3   0.142   2.768E+03 7.708E-05
4.979E-05 17.5
    74   0.537   0.138   15.8   0.537   4.315E+03 4.265E-05
5.072E-05 3.61
    75   0.578   9.570E-02 3.28   0.268   3.252E+03 2.229E-05
5.444E-05 22.4
    76   0.588   9.005E-02 1.69   1.46   4.778E+03 2.038E-05
3.127E-05 13.6
    77   0.514   0.125   14.4   5.78   5.106E+03 2.950E-05

7.087E-05 4.74
    78   0.462   8.704E-02 23.7   0.567   2.947E+03 1.843E-05
5.735E-05 4.27
    79   0.540   0.110   21.6   0.479   2.283E+03 2.161E-05
4.036E-05 30.4
    80   0.667   0.120   1.74   2.98   3.687E+03 2.090E-05
5.418E-05 16.8
    81   0.583   0.104   4.49   5.41   3.060E+03 1.515E-05
4.837E-05 44.0
    82   0.498   0.124   10.9   0.867   3.378E+03 5.113E-05
5.431E-05 55.4
    83   0.785   0.133   2.08   0.115   3.886E+03 1.110E-05
4.747E-05 51.7
    84   0.693   8.864E-02 8.42   0.166   5.321E+03 1.681E-05
5.307E-05 13.3
    85   0.744   9.513E-02 6.10   0.406   2.410E+03 4.684E-05
5.569E-05 7.24
    86   0.536   0.112   4.08   0.554   1.744E+03 1.381E-05
5.356E-05 3.25
    87   0.648   9.243E-02 7.46   2.194E-02 1.679E+03 1.630E-05
4.426E-05 16.7
    88   0.522   0.120   5.25   9.285E-02 4.969E+03 1.963E-05
5.121E-05 5.20
    89   0.670   8.895E-02 9.33   0.347   3.491E+03 2.142E-05
4.316E-05 2.15
    90   0.562   9.546E-02 0.849   0.209   1.908E+03 2.051E-05
5.349E-05 2.11
    91   0.738   0.100   20.1   0.457   1.896E+03 1.939E-05
5.232E-05 23.4
    92   0.523   8.302E-02 1.80   20.1   3.988E+03 1.608E-05
1.028E-04 11.8
    93   0.752   0.137   5.23   0.951   2.221E+03 1.796E-05
1.758E-04 143.
    94   0.593   0.122   1.94   7.110E-02 2.431E+03 2.023E-05
3.094E-05 17.7
    95   0.473   0.111   4.31   0.125   3.424E+03 1.606E-05
5.414E-05 4.58
    96   0.654   9.081E-02 0.962   0.259   3.736E+03 1.900E-05
5.575E-05 31.9
    97   0.595   0.106   7.15   0.687   2.878E+03 2.063E-05
5.688E-05 1.21
    98   0.606   8.788E-02 6.28   1.43   3.379E+03 2.190E-05
4.962E-05 1.21
    99   0.689   0.129   4.88   5.708E-02 2.772E+03 2.216E-05
3.803E-05 5.77
   100   0.551   0.112   29.7   0.167   3.193E+03 2.237E-05
5.723E-05 2.96
   101   0.666   8.008E-02 8.32   1.64   4.523E+03 1.289E-05
5.336E-05 131.
   102   0.673   9.238E-02 17.6   2.353E-02 2.280E+03 2.201E-05
5.542E-05 2.85
   103   0.626   0.120   3.53   1.119E-02 2.453E+03 1.580E-05
3.032E-05 11.4
   104   0.546   9.439E-02 2.56   0.391   3.393E+03 2.196E-05
3.386E-05 15.2
   105   0.552   0.122   6.19   7.288E-02 4.702E+03 4.063E-05
5.433E-05 89.0
   106   0.487   0.101   11.0   1.52   3.958E+03 2.117E-05
7.391E-05 244.
   107   0.456   9.061E-02 14.2   5.003E-02 1.636E+03 7.905E-05

5.248E-05 1.85
   108   0.510   0.117   31.8   1.02   3.352E+03 1.205E-05
4.261E-05 14.3
   109   0.520   0.132   2.77   0.734   2.542E+03 2.104E-05
5.193E-05 39.2
   110   0.443   8.752E-02 3.68   5.958E-02 3.343E+03 2.069E-05
5.346E-05 8.29
   111   0.505   0.124   5.66   1.47   4.887E+03 1.497E-05
4.230E-05 6.00
   112   0.531   0.102   23.7   0.169   5.703E+03 3.932E-05
3.009E-05 6.69
   113   0.539   9.644E-02 16.6   1.07   3.234E+03 2.039E-05
4.388E-05 10.3
   114   0.590   0.100   19.2   0.314   3.053E+03 2.262E-05
5.315E-05 39.6
   115   0.656   0.108   39.4   1.25   4.434E+03 4.970E-05
2.585E-05 78.3
   116   0.663   8.678E-02 2.21   0.252   2.668E+03 2.234E-05
5.116E-05 6.82
   117   0.655   0.131   2.62   0.487   3.875E+03 2.121E-05
1.083E-04 65.6
   118   0.418   0.114   8.17   4.420E-02 2.320E+03 3.566E-05
4.797E-05 18.3
   119   0.672   0.108   7.58   0.398   2.518E+03 9.088E-05
2.767E-05 2.38
   120   0.642   8.316E-02 1.72   1.238E-02 4.212E+03 2.181E-05
6.589E-05 4.63
   121   0.544   0.100   5.74   3.863E-02 4.561E+03 4.622E-05
5.172E-05 4.53
   122   0.746   0.101   2.18   0.108   3.860E+03 1.391E-05
5.673E-05 7.32
   123   0.645   9.559E-02 2.83   0.632   2.050E+03 1.754E-05
5.595E-05 19.9
   124   0.505   9.874E-02 5.37   0.335   2.550E+03 2.379E-05
3.948E-05 1.74
   125   0.542   0.109   7.46   0.535   3.064E+03 2.147E-05
5.573E-05 107.
   126   0.657   9.761E-02 6.59   6.701E-02 4.056E+03 2.115E-05
5.255E-05 1.46
   127   0.523   0.121   3.89   8.735E-02 2.504E+03 1.053E-05
7.980E-05 73.8
   128   0.508   9.682E-02 16.5   8.997E-03 4.560E+03 2.146E-05
1.642E-04 10.7
   129   0.575   8.905E-02 7.63   3.174E-02 3.826E+03 2.149E-05
9.014E-05 7.77
   130   0.563   9.280E-02 44.6   0.375   4.801E+03 2.227E-05
4.662E-05 35.4
   131   0.629   0.138   16.6   0.549   2.209E+03 2.071E-05
5.332E-05 6.23
   132   0.634   9.753E-02 3.45   0.104   2.516E+03 2.219E-05
5.648E-05 9.07
   133   0.508   0.129   5.83   1.42   3.086E+03 2.088E-05
5.758E-05 9.03
   134   0.582   9.518E-02 4.73   0.185   3.290E+03 3.652E-05
2.792E-05 7.74
   135   0.556   0.122   8.79   0.811   2.763E+03 2.405E-05
4.883E-05 3.14
   136   0.540   0.125   0.549   1.42   2.158E+03 1.200E-05
3.735E-05 30.3
   137   0.585   0.106   13.8   0.151   5.788E+03 2.229E-05

2.510E-05 4.01
   138   0.694   9.346E-02 1.17   2.32   2.650E+03 3.862E-05
5.135E-05 17.8
   139   0.517   8.199E-02 20.6   0.257   3.484E+03 2.224E-05
5.468E-05 31.2
   140   0.589   0.132   5.47   2.48   3.756E+03 1.177E-05
5.190E-05 7.98
   141   0.639   9.710E-02 31.3   0.513   5.964E+03 2.094E-05
5.689E-05 2.34
   142   0.614   0.119   4.26   4.094E-02 1.404E+03 1.444E-05
4.466E-05 1.64
   143   0.516   8.638E-02 3.84   0.117   4.284E+03 1.107E-05
5.661E-05 26.5
   144   0.570   9.971E-02 11.9   1.05   2.455E+03 2.084E-05
4.433E-05 4.44
   145   0.567   0.115   43.7   4.35   3.529E+03 1.003E-05
2.597E-05 8.43
   146   0.542   0.114   2.88   0.557   4.384E+03 9.453E-05
5.224E-05 14.6
   147   0.506   0.101   17.2   6.978E-02 1.779E+03 1.817E-05
2.319E-04 1.39
   148   0.595   8.580E-02 35.5   0.473   2.828E+03 2.172E-05
4.558E-05 210.
   149   0.556   9.014E-02 30.4   3.351E-02 3.550E+03 2.267E-05
5.700E-05 5.74
   150   0.529   9.781E-02 60.2   22.9   3.646E+03 2.200E-05
2.627E-05 1.00
   151   0.454   0.122   3.38   0.122   5.199E+03 2.186E-05
8.006E-05 8.94
   152   0.461   9.661E-02 18.3   0.163   1.984E+03 1.167E-05
5.288E-05 33.5
   153   0.591   0.108   15.2   0.344   2.558E+03 1.622E-05
3.289E-05 5.50
   154   0.666   9.822E-02 21.3   0.240   2.094E+03 2.175E-05
5.563E-05 10.8
   155   0.564   0.102   6.53   7.727E-02 2.803E+03 2.089E-05
2.446E-04 4.67
   156   0.603   9.275E-02 3.85   1.53   2.396E+03 2.048E-05
5.217E-05 51.4
   157   0.783   7.802E-02 13.4   0.389   2.911E+03 1.807E-05
4.948E-05 2.29
   158   0.575   0.118   20.4   1.65   3.626E+03 2.220E-05
5.292E-05 18.4
   159   0.520   0.120   7.90   0.277   2.998E+03 1.455E-05
3.748E-05 23.7
   160   0.547   0.134   2.54   0.367   2.807E+03 2.247E-05
5.119E-05 18.5
   161   0.680   9.184E-02 18.1   0.113   2.451E+03 2.276E-05
5.239E-05 126.
   162   0.538   0.120   2.80   0.455   4.457E+03 1.048E-05
1.422E-04 10.1
   163   0.748   0.113   3.92   4.366E-02 2.525E+03 1.880E-05
5.624E-05 3.72
   164   0.474   0.122   14.4   3.112E-03 3.780E+03 1.887E-05
5.184E-05 42.3
   165   0.664   9.114E-02 0.982   1.01   5.245E+03 2.215E-05
9.672E-05 22.1
   166   0.590   0.113   13.1   1.03   3.059E+03 2.242E-05
5.093E-05 5.04
   167   0.659   0.102   2.36   0.696   3.908E+03 2.126E-05

2.643E-05 1.97
   168   0.530   0.102   12.1   3.84   2.622E+03 2.098E-05
5.470E-05 2.55
   169   0.599   0.100   12.4   7.202E-02 3.854E+03 2.141E-05
1.142E-04 100.
   170   0.635   9.473E-02 4.43   0.672   2.646E+03 2.258E-05
5.753E-05 9.78
   171   0.620   0.120   9.32   0.639   2.350E+03 2.327E-05
1.076E-04 45.1
   172   0.793   8.367E-02 5.36   3.386E-02 2.576E+03 5.461E-05
3.447E-05 7.69
   173   0.521   0.117   9.82   0.874   3.414E+03 4.821E-05
5.630E-05 3.57
   174   0.522   0.108   3.76   3.91   3.368E+03 1.529E-05
5.311E-05 2.02
   175   0.612   8.852E-02 1.03   0.405   4.094E+03 4.799E-05
1.066E-04 14.7
   176   0.451   0.117   8.68   0.542   3.388E+03 1.276E-05
1.207E-04 10.3
   177   0.777   0.131   5.09   0.365   2.976E+03 2.364E-05
4.724E-05 46.0
   178   0.560   9.825E-02 0.357   6.918E-03 3.008E+03 3.193E-05
1.312E-04 3.93
   179   0.529   9.268E-02 8.34   0.435   2.149E+03 5.270E-05
1.235E-04 63.6
   180   0.524   0.114   14.7   0.129   2.926E+03 2.304E-05
5.103E-05 119.
   181   0.601   0.105   10.8   0.903   5.544E+03 2.203E-05
2.746E-05 67.7
   182   0.535   0.121   2.47   19.0   3.150E+03 2.194E-05
5.503E-05 12.3
   183   0.493   0.124   2.40   4.011E-02 4.278E+03 7.945E-05
2.721E-05 4.11
   184   0.563   9.083E-02 4.53   0.699   2.385E+03 5.343E-05
2.809E-05 10.6
   185   0.604   8.390E-02 11.2   1.45   2.254E+03 2.275E-05
4.647E-05 37.1
   186   0.482   9.616E-02 5.05   0.278   3.879E+03 1.076E-04
5.214E-05 1.77
   187   0.564   9.588E-02 22.1   6.641E-03 2.536E+03 2.117E-05
7.716E-05 93.4
   188   0.521   9.650E-02 6.63   0.613   2.741E+03 1.227E-05
2.527E-05 104.
   189   0.460   9.960E-02 6.91   0.467   4.369E+03 2.044E-05
1.164E-04 6.24
   190   0.570   0.103   1.27   1.78   3.453E+03 1.294E-05
5.538E-05 7.35
   191   0.442   0.114   13.3   3.15   3.260E+03 2.033E-05
5.079E-05 28.7
   192   0.439   0.109   2.94   4.595E-02 2.904E+03 4.367E-05
5.383E-05 15.1
   193   0.590   7.772E-02 15.6   0.275   2.462E+03 1.973E-05
1.118E-04 2.74
   194   0.803   8.566E-02 18.9   6.256E-02 5.492E+03 5.176E-05
5.684E-05 86.8
   195   0.778   0.110   1.45   3.782E-03 2.717E+03 1.814E-05
7.780E-05 1.55
   196   0.558   0.107   3.06   0.461   2.303E+03 2.108E-05
4.523E-05 12.4
   197   0.594   8.297E-02 2.39   0.141   3.497E+03 3.147E-05

3.040E-05 20.8
   198   0.495   7.621E-02 16.0   0.602   6.040E+03 2.226E-05
5.347E-05 15.7
   199   0.578   0.112   0.936   0.286   2.005E+03 2.101E-05
5.577E-05 19.0
   200   0.658   9.333E-02 6.14   0.743   3.702E+03 2.291E-05
2.487E-04 7.10
   201   0.581   8.063E-02 3.12   8.36   3.122E+03 1.663E-05
8.097E-05 13.8
   202   0.491   9.509E-02 28.2   0.544   3.451E+03 1.306E-05
1.095E-04 19.4
   203   0.650   8.410E-02 10.3   0.137   3.167E+03 1.784E-05
4.669E-05 12.6
   204   0.693   0.111   24.4   0.506   2.708E+03 2.249E-05
1.072E-04 6.92
   205   0.532   8.620E-02 4.85   3.968E-02 2.444E+03 2.112E-05
5.751E-05 38.8
   206   0.663   0.124   7.34   0.571   3.363E+03 2.584E-05
5.652E-05 1.05
   207   0.537   9.052E-02 12.6   8.260E-02 3.458E+03 4.138E-05
6.380E-05 3.37
   208   0.618   8.137E-02 130.   3.324E-02 3.578E+03 2.082E-05
5.559E-05 3.02
   209   0.713   0.113   66.2   0.127   4.808E+03 1.286E-05
5.488E-05 2.55
   210   0.498   0.108   11.3   0.666   4.207E+03 2.064E-05
2.973E-05 4.86
   211   0.588   0.113   6.38   2.645E-02 2.379E+03 2.114E-05
3.173E-05 2.71
   212   0.427   8.808E-02 1.51   0.352   3.999E+03 4.777E-05
4.063E-05 13.5
   213   0.601   0.107   9.71   0.322   4.741E+03 2.096E-05
9.934E-05 20.5
   214   0.661   0.105   6.61   0.773   2.633E+03 2.100E-05
3.527E-05 2.98
   215   0.481   9.389E-02 3.57   0.169   2.980E+03 2.023E-05
2.839E-05 29.7
   216   0.584   0.107   16.3   4.302E-02 2.711E+03 1.740E-05
5.518E-05 1.80
   217   0.649   9.739E-02 7.00   0.216   3.444E+03 2.228E-05
5.360E-05 3.06
   218   0.736   0.103   33.8   0.378   4.151E+03 2.140E-05
1.249E-04 2.44
   219   0.623   0.113   25.9   0.109   2.136E+03 2.120E-05
4.368E-05 1.28
   220   0.618   0.103   2.97   1.01   4.170E+03 1.214E-05
2.738E-05 1.61
   221   0.727   9.427E-02 2.41   0.130   3.397E+03 2.264E-05
5.070E-05 2.11
   222   0.701   0.101   19.7   9.123E-02 4.421E+03 1.827E-05
5.519E-05 22.3
   223   0.577   0.105   2.31   4.189E-02 5.775E+03 2.068E-05
3.452E-05 13.1
   224   0.667   9.367E-02 1.87   0.352   5.054E+03 3.157E-05
4.122E-05 10.3
   225   0.498   9.524E-02 7.19   2.33   1.574E+03 1.425E-05
7.853E-05 8.63
   226   0.529   9.721E-02 9.79   8.579E-02 1.521E+03 1.500E-05
4.788E-05 2.24
   227   0.599   0.110   32.9   0.439   3.205E+03 1.203E-05

4.209E-05 8.38
228 0.565 0.108 7.05 0.140 2.939E+03 2.295E-05
1.123E-04 4.06
229 0.616 0.108 47.1 12.8 3.488E+03 2.166E-05
5.668E-05 68.9
230 0.534 0.100 3.55 0.168 3.322E+03 1.060E-05
2.511E-04 2.22
231 0.596 0.119 15.5 2.39 3.829E+03 2.156E-05
5.687E-05 6.54
232 0.616 9.882E-02 10.1 1.026E-02 3.256E+03 1.852E-05
5.179E-05 18.0
233 0.649 9.531E-02 6.07 2.38 3.333E+03 1.114E-05
4.417E-05 1.75
234 0.624 0.122 21.4 0.859 2.248E+03 1.818E-05
3.870E-05 5.94
235 0.459 9.169E-02 21.1 0.114 4.307E+03 2.194E-05
5.202E-05 2.59
236 0.570 8.668E-02 7.82 2.63 2.814E+03 2.042E-05
7.309E-05 2.21
237 0.624 8.595E-02 4.13 0.977 3.098E+03 2.176E-05
5.160E-05 8.53
238 0.698 0.101 8.82 5.130E-02 4.585E+03 4.447E-05
2.548E-05 6.12
239 0.580 9.141E-02 11.6 6.219E-02 5.428E+03 2.111E-05
5.587E-05 18.1
240 0.774 0.102 7.90 1.15 2.890E+03 2.043E-05
3.472E-05 27.7
241 0.675 0.114 4.39 3.42 2.791E+03 1.656E-05
9.118E-05 7.56
242 0.599 0.107 3.76 2.28 2.427E+03 1.540E-05
5.241E-05 3.81
243 0.661 0.118 12.0 0.130 3.127E+03 3.238E-05
5.366E-05 4.03
244 0.503 0.116 7.93 1.82 4.396E+03 4.509E-05
5.354E-05 32.2
245 0.484 8.231E-02 3.95 1.17 3.978E+03 2.216E-05
4.004E-05 3.65
246 0.697 7.590E-02 6.05 15.9 2.431E+03 4.723E-05
3.432E-05 12.1
247 0.607 0.117 1.70 1.26 2.487E+03 1.066E-04
1.438E-04 15.1
248 0.603 0.127 5.00 0.316 3.514E+03 4.395E-05
5.335E-05 3.12
249 0.642 9.226E-02 9.22 7.422E-02 3.196E+03 2.185E-05
5.398E-05 14.1
250 0.703 7.395E-02 1.91 0.234 2.873E+03 4.877E-05
5.160E-05 2.09
251 0.640 0.106 4.69 1.529E-02 2.072E+03 2.095E-05
4.505E-05 14.7
252 0.576 0.117 0.749 0.925 3.293E+03 2.138E-05
5.318E-05 12.0
253 0.541 0.108 10.2 0.138 2.470E+03 1.156E-05
3.026E-05 5.10
254 0.534 8.945E-02 2.35 0.414 2.621E+03 2.200E-05
2.422E-04 2.75
255 0.463 9.176E-02 7.96 0.584 2.217E+03 2.458E-05
5.621E-05 3.46
256 0.476 0.116 4.29 0.444 6.362E+03 2.021E-05
5.000E-05 1.72
257 0.487 0.101 23.0 1.18 1.834E+03 1.601E-05

3.963E-05 2.36
   258   0.513   9.948E-02 1.10   3.670E-02 2.018E+03 2.109E-05
3.217E-05 55.2
   259   0.509   8.282E-02 11.4   1.85   5.375E+03 1.990E-05
5.456E-05 9.28
   260   0.563   8.778E-02 8.86   0.808   2.043E+03 1.645E-05
4.535E-05 32.5
   261   0.532   0.105   1.62   0.231   1.457E+03 2.180E-05
8.126E-05 11.7
   262   0.538   0.103   7.73   0.738   2.953E+03 2.874E-05
8.404E-05 113.
   263   0.558   9.291E-02 4.05   9.014E-02 2.746E+03 1.893E-05
1.055E-04 8.16
   264   0.609   0.125   5.62   0.683   1.798E+03 2.255E-05
4.934E-05 8.12
   265   0.565   9.965E-02 10.2   0.384   2.876E+03 1.623E-05
5.111E-05 16.7
   266   0.575   0.104   37.2   0.500   4.003E+03 1.259E-05
1.318E-04 1.45
   267   0.658   9.420E-02 29.2   14.1   3.153E+03 1.221E-05
3.380E-05 2.05
   268   0.652   9.331E-02 21.1   2.06   2.766E+03 1.082E-04
4.025E-05 4.05
   269   0.676   8.956E-02 27.4   5.04   2.376E+03 3.741E-05
6.742E-05 50.5
   270   0.616   0.109   14.1   1.417E-02 2.680E+03 2.231E-05
1.005E-04 22.8
   271   0.597   0.112   5.50   0.687   3.080E+03 1.524E-05
5.760E-05 5.17
   272   0.544   9.980E-02 6.97   0.128   3.280E+03 2.056E-05
9.791E-05 3.00
   273   0.663   8.928E-02 25.8   0.175   3.359E+03 3.117E-05
4.974E-05 3.70
   274   0.486   9.989E-02 3.42   8.845E-02 3.148E+03 2.050E-05
4.178E-05 8.50
   275   0.712   0.110   5.27   0.827   3.114E+03 2.273E-05
4.325E-05 4.70
   276   0.660   9.067E-02 2.12   0.304   5.091E+03 2.280E-05
3.585E-05 11.4
   277   0.619   0.106   1.56   0.104   3.302E+03 1.130E-05
5.876E-05 10.1
   278   0.682   0.110   4.95   1.81   4.294E+03 2.197E-05
5.286E-05 6.62
   279   0.641   9.838E-02 20.8   0.600   3.995E+03 1.647E-05
5.373E-05 5.30
   280   0.581   8.697E-02 0.288   4.277E-02 4.032E+03 9.204E-05
4.447E-05 8.03
   281   0.491   0.105   2.99   1.944E-03 2.598E+03 1.960E-05
1.233E-04 13.0
   282   0.660   0.124   7.01   2.17   2.364E+03 2.238E-05
5.629E-05 5.59
   283   0.573   0.124   4.38   2.423E-02 2.846E+03 1.557E-05
3.052E-05 30.0
   284   0.728   0.107   9.09   70.4   3.833E+03 5.232E-05
5.298E-05 6.20
   285   0.587   9.219E-02 7.74   0.285   3.974E+03 2.261E-05
3.294E-05 12.2
   286   0.662   9.916E-02 6.88   4.63   2.713E+03 2.217E-05
6.711E-05 16.8
   287   0.644   9.131E-02 5.22   0.154   6.389E+03 6.981E-05

5.484E-05 3.92
   288   0.568   8.381E-02 8.65   2.650E-02 3.066E+03 5.520E-05
5.162E-05 28.3
   289   0.644   0.128   7.26   0.230   3.510E+03 1.513E-05
5.715E-05 48.3
   290   0.442   0.118   15.6   0.143   3.663E+03 2.244E-05
5.427E-05 7.96
   291   0.640   0.108   8.70   5.575E-02 2.098E+03 2.503E-05
3.401E-05 5.43
   292   0.501   0.126   8.21   0.503   2.307E+03 3.766E-05
5.425E-05 4.46
   293   0.724   8.485E-02 0.862   0.184   5.526E+03 1.341E-05
3.484E-05 6.19
   294   0.607   0.100   10.9   2.036E-02 3.072E+03 1.633E-05
5.094E-05 35.6
   295   0.509   0.100   12.0   0.606   2.678E+03 4.641E-05
5.050E-05 145.
   296   0.734   0.124   43.2   0.310   3.779E+03 2.104E-05
5.655E-05 12.5
   297   0.646   9.682E-02 4.16   0.170   4.545E+03 2.248E-05
2.578E-04 24.9
   298   0.610   0.126   47.8   8.282E-02 4.412E+03 5.685E-05
5.391E-05 17.1
   299   0.700   0.104   10.8   0.833   4.428E+03 1.005E-05
4.251E-05 19.6
   300   0.556   0.127   7.97   2.90   4.465E+03 2.177E-05
9.887E-05 5.76
   301   0.662   0.128   8.99   6.742E-02 2.556E+03 2.793E-05
5.491E-05 5.91
   302   0.725   9.195E-02 2.20   1.08   2.184E+03 1.368E-05
3.369E-05 1.92
   303   0.460   0.101   9.17   1.48   2.201E+03 1.727E-05
2.646E-05 1.71
   304   0.601   0.109   9.25   2.02   3.655E+03 1.162E-05
3.348E-05 11.5
   305   0.562   0.115   7.04   2.430E-02 1.838E+03 2.172E-05
5.144E-05 16.9
   306   0.515   9.481E-02 22.5   6.35   2.730E+03 1.717E-05
6.480E-05 12.7
   307   0.466   8.526E-02 2.74   0.269   2.560E+03 4.101E-05
2.959E-05 7.79
   308   0.628   0.135   36.9   0.271   4.231E+03 2.209E-05
2.643E-04 41.0
   309   0.631   9.521E-02 5.98   0.272   6.192E+03 2.280E-05
5.091E-05 1.56
   310   0.672   8.630E-02 10.3   0.212   2.435E+03 1.801E-05
2.683E-04 13.7
   311   0.581   8.084E-02 4.49   2.68   4.036E+03 1.567E-05
1.565E-04 6.72
   312   0.690   8.014E-02 10.8   8.95   3.399E+03 2.254E-05
5.465E-05 180.
   313   0.654   0.112   9.90   1.058E-02 3.210E+03 2.098E-05
5.397E-05 5.34
   314   0.575   0.115   3.21   1.08   3.327E+03 1.562E-05
2.183E-04 41.7
   315   0.504   0.100   5.56   11.7   2.242E+03 7.143E-05
4.375E-05 56.3
   316   0.529   0.128   39.2   0.196   4.264E+03 2.041E-05
5.480E-05 8.05
   317   0.621   0.123   36.6   2.852E-02 3.954E+03 1.733E-05

5.657E-05 5.84
318 0.598 0.127 30.5 1.32 3.142E+03 2.264E-05
5.489E-05 2.32
319 0.484 0.118 7.38 1.77 3.233E+03 5.189E-05
3.229E-05 16.1
320 0.491 9.786E-02 4.05 2.228E-02 3.776E+03 1.312E-05
8.610E-05 17.6
321 0.543 0.106 8.06 0.144 2.420E+03 1.100E-05
5.207E-05 1.01
322 0.490 0.128 10.4 0.120 5.624E+03 1.790E-05
4.304E-05 2.82
323 0.543 0.118 28.7 0.159 4.163E+03 1.638E-05
5.330E-05 3.05
324 0.434 0.127 6.37 1.71 3.094E+03 2.258E-05
2.687E-04 6.66
325 0.645 0.102 5.70 2.10 3.615E+03 3.704E-05
5.459E-05 4.18
326 0.579 0.111 3.62 5.050E-02 7.891E+03 1.481E-05
4.116E-05 9.10
327 0.571 0.123 1.20 0.119 3.358E+03 2.134E-05
5.643E-05 13.8
328 0.528 9.318E-02 11.1 44.9 5.350E+03 1.477E-05
5.269E-05 11.8
329 0.547 0.119 9.67 5.209E-02 2.838E+03 2.737E-05
2.993E-05 1.53
330 0.518 8.285E-02 2.45 6.027E-02 4.334E+03 2.530E-05
1.364E-04 1.57
331 0.767 0.110 3.48 0.116 3.349E+03 1.210E-05
5.440E-05 24.4
332 0.517 8.435E-02 9.51 0.452 3.429E+03 1.913E-05
5.211E-05 17.4
333 0.607 9.252E-02 13.4 8.495E-02 4.329E+03 1.687E-05
5.601E-05 50.1
334 0.479 8.671E-02 11.8 0.359 3.649E+03 2.089E-05
9.989E-05 5.06
335 0.742 9.953E-02 50.7 0.148 3.112E+03 2.027E-05
5.351E-05 32.6
336 0.665 0.102 1.61 7.05 3.667E+03 2.144E-05
5.432E-05 2.01
337 0.489 0.113 9.88 2.05 3.409E+03 2.076E-05
5.180E-05 7.89
338 0.552 0.116 1.12 0.489 3.133E+03 9.862E-05
1.797E-04 9.14
339 0.536 0.136 27.2 1.35 4.037E+03 5.376E-05
1.137E-04 6.46
340 0.496 0.116 11.0 4.40 3.119E+03 1.922E-05
5.251E-05 22.1
341 0.434 0.116 1.92 0.385 4.339E+03 1.870E-05
4.493E-05 23.1
342 0.431 8.573E-02 8.54 0.983 1.944E+03 1.701E-05
4.987E-04 12.3
343 0.501 0.108 7.24 0.193 3.969E+03 2.133E-05
5.403E-05 10.7
344 0.477 9.056E-02 8.46 0.532 1.916E+03 1.061E-05
4.840E-05 1.52
345 0.716 0.114 20.8 1.09 3.613E+03 2.305E-05
5.566E-05 1.35
346 0.532 0.129 73.7 0.472 4.130E+03 1.417E-05
5.733E-05 28.6
347 0.444 7.862E-02 27.6 2.79 4.274E+03 2.253E-05

5.522E-05	1.09					
348	0.795	0.117	11.6	0.161	3.227E+03	2.145E-05
4.860E-05	10.5					
349	0.669	0.115	2.69	0.342	3.000E+03	1.867E-05
5.528E-05	60.0					
350	0.643	0.103	42.4	0.638	3.733E+03	8.735E-05
3.416E-05	4.97					
351	0.629	0.135	4.61	4.88	2.005E+03	2.827E-05
5.326E-05	42.0					
352	0.557	0.120	69.5	5.564E-03	4.992E+03	1.748E-05
1.151E-04	18.2					
353	0.525	0.100	6.86	0.429	4.072E+03	2.273E-05
5.131E-05	1.03					
354	0.474	0.106	0.924	0.629	3.796E+03	2.032E-05
9.378E-05	4.10					
355	0.718	0.109	1.75	0.703	2.568E+03	1.141E-05
5.872E-05	3.26					
356	0.479	0.104	14.6	1.28	2.508E+03	2.061E-05
9.339E-05	4.99					
357	0.445	0.123	6.14	0.107	1.879E+03	3.235E-05
5.637E-05	10.8					
358	0.678	0.107	6.52	0.710	3.191E+03	1.040E-04
5.594E-05	28.0					
359	0.548	0.136	21.0	0.108	3.179E+03	1.364E-05
1.215E-04	11.8					
360	0.524	8.838E-02	8.02	0.907	2.185E+03	1.495E-04
3.988E-05	5.79					
361	0.687	8.249E-02	5.88	0.791	2.372E+03	1.371E-05
1.301E-04	8.70					
362	0.511	0.133	1.29	0.226	3.370E+03	2.162E-05
2.634E-05	53.9					
363	0.536	9.089E-02	3.70	10.8	3.331E+03	1.044E-04
9.517E-05	87.4					
364	0.723	0.108	9.72	0.794	2.100E+03	2.285E-05
5.755E-05	30.7					
365	0.579	0.134	31.2	0.210	5.222E+03	2.027E-05
2.929E-05	14.3					
366	0.438	0.110	4.41	0.290	2.583E+03	1.739E-05
3.832E-05	2.80					
367	0.630	8.732E-02	7.87	3.25	3.801E+03	2.035E-05
5.381E-05	48.0					
368	0.608	0.111	9.14	1.11	2.530E+03	2.206E-05
5.769E-05	1.41					
369	0.627	0.120	4.06	0.295	2.990E+03	2.304E-05
3.786E-05	1.38					
370	0.561	0.112	1.22	1.377E-02	2.465E+03	2.186E-05
5.216E-05	4.85					
371	0.637	8.571E-02	45.8	0.140	3.516E+03	2.256E-05
2.919E-05	43.3					
372	0.538	0.113	49.9	0.251	2.029E+03	2.272E-05
3.650E-05	4.16					
373	0.582	0.102	3.75	1.54	2.273E+03	2.177E-05
3.166E-05	9.58					
374	0.686	0.109	5.47	1.29	2.330E+03	2.040E-05
5.300E-05	19.4					
375	0.581	0.117	2.96	0.248	4.103E+03	2.116E-05
5.084E-05	10.7					
376	0.551	0.115	39.9	0.312	4.573E+03	2.299E-05
3.233E-05	1.88					
377	0.518	8.047E-02	18.6	0.942	3.200E+03	1.993E-05

2.891E-05 4.26
   378   0.475   9.041E-02 7.71   2.937E-02 3.302E+03 2.143E-05
2.544E-05 24.9
   379   0.439   9.845E-02 3.81   0.331   4.017E+03 2.220E-05
5.590E-05 2.90
   380   0.562   9.343E-02 4.93   0.223   2.820E+03 9.686E-05
3.265E-05 6.67
   381   0.618   9.152E-02 12.7   8.952E-02 5.879E+03 2.198E-05
5.561E-05 1.90
   382   0.535   0.124   14.8   0.851   4.851E+03 2.057E-05
5.679E-05 230.
   383   0.717   0.107   6.01   0.450   5.120E+03 5.754E-05
5.052E-05 2.25
   384   0.646   0.130   7.68   3.144E-02 4.152E+03 2.126E-05
5.436E-05 5.38
   385   0.525   9.900E-02 3.96   0.262   2.749E+03 2.093E-05
8.208E-05 2.94
   386   0.630   9.298E-02 6.19   0.179   1.956E+03 5.143E-05
1.189E-04 7.53
   387   0.584   8.813E-02 0.798   3.245E-02 1.962E+03 1.021E-05
2.872E-05 151.
   388   0.550   0.104   62.2   0.349   3.421E+03 1.837E-05
1.324E-04 4.29
   389   0.546   9.639E-02 8.22   0.851   1.922E+03 3.879E-05
5.492E-05 4.15
   390   0.532   8.873E-02 8.89   8.546E-02 1.365E+03 2.282E-05
3.359E-05 5.48
   391   0.780   0.105   7.43   0.211   3.257E+03 1.614E-05
5.139E-05 3.97
   392   0.511   0.102   10.6   7.845E-03 4.222E+03 4.041E-05
5.644E-05 30.5
   393   0.613   9.018E-02 64.8   9.630E-02 2.487E+03 2.085E-05
9.236E-05 6.05
   394   0.542   9.207E-02 78.9   3.718E-02 4.298E+03 4.474E-05
1.060E-04 31.3
   395   0.510   9.715E-02 28.6   3.974E-02 4.185E+03 1.571E-05
4.929E-05 41.2
   396   0.669   0.103   6.35   0.968   1.951E+03 1.262E-05
5.294E-05 48.6
   397   0.625   9.737E-02 3.34   1.64   2.297E+03 4.280E-05
5.258E-05 16.6
   398   0.701   0.118   8.55   2.52   2.116E+03 2.215E-05
1.999E-04 9.24
   399   0.624   0.118   3.91   0.124   2.194E+03 2.617E-05
5.341E-05 75.7
   400   0.710   0.111   4.40   8.69   2.719E+03 1.057E-04
5.663E-05 8.55
   401   0.667   7.838E-02 17.9   4.862E-02 5.175E+03 4.495E-05
2.716E-05 5.40
   402   0.594   0.125   11.6   0.219   6.145E+03 7.364E-05
7.425E-05 6.90
   403   0.587   0.121   21.8   1.06   4.026E+03 2.231E-05
1.913E-04 2.06
   404   0.509   0.126   2.14   8.255E-03 4.247E+03 1.040E-05
2.857E-05 11.5
   405   0.540   9.463E-02 161.   2.04   3.984E+03 3.627E-05
5.494E-05 3.00
   406   0.634   0.130   2.44   1.802E-02 2.109E+03 2.205E-05
4.897E-05 1.17
   407   0.463   0.123   26.0   8.379E-02 2.412E+03 1.173E-05

5.603E-05 24.0
   408   0.500   0.116   7.64   4.257E-02 2.861E+03 2.191E-05
1.101E-04 9.70
   409   0.468   0.108   13.7   4.742E-02 1.246E+03 4.080E-05
4.184E-05 9.35
   410   0.516   0.123   4.80   0.146   1.713E+03 2.015E-05
5.998E-05 8.88
   411   0.497   9.633E-02 7.17   0.497   5.300E+03 2.249E-05
2.824E-05 3.74
   412   0.457   0.108   33.3   0.124   2.686E+03 2.103E-05
5.597E-05 9.53
   413   0.686   9.851E-02 0.713   0.126   4.303E+03 2.548E-05
5.535E-05 22.6
   414   0.568   8.457E-02 21.5   0.158   3.408E+03 1.124E-05
2.718E-04 10.5
   415   0.608   0.103   2.49   0.925   4.958E+03 2.078E-05
3.123E-05 5.82
   416   0.638   8.983E-02 2.85   0.174   2.690E+03 1.152E-05
5.065E-05 1.81
   417   0.786   0.112   35.2   0.113   3.074E+03 2.268E-05
2.951E-05 4.38
   418   0.554   9.772E-02 1.96   1.820E-02 3.572E+03 2.258E-05
1.535E-04 3.20
   419   0.533   9.215E-02 0.665   2.168E-02 2.235E+03 2.099E-05
1.224E-04 5.89
   420   0.605   9.638E-02 10.7   0.118   3.159E+03 1.447E-05
5.729E-05 3.89
   421   0.685   0.101   4.47   4.543E-02 3.506E+03 2.243E-05
3.772E-05 9.45
   422   0.604   8.519E-02 20.4   0.667   2.496E+03 2.025E-05
5.696E-05 3.02
   423   0.561   8.689E-02 13.9   7.401E-02 2.367E+03 1.358E-05
5.024E-05 62.9
   424   0.715   8.884E-02 4.64   3.525E-02 2.722E+03 1.469E-05
1.040E-04 15.5
   425   0.647   0.107   1.06   0.191   2.859E+03 2.192E-05
1.047E-04 6.29
   426   0.557   0.107   3.88   2.123E-02 2.593E+03 2.154E-05
5.528E-05 12.4
   427   0.692   0.125   2.90   1.86   2.735E+03 2.204E-05
2.631E-04 2.07
   428   0.580   0.105   18.0   3.09   3.573E+03 1.375E-05
6.083E-05 9.79
   429   0.561   0.118   22.3   2.20   3.947E+03 5.568E-05
3.259E-05 53.7
   430   0.694   0.130   11.5   0.274   2.960E+03 1.859E-04
2.522E-05 1.50
   431   0.591   0.114   16.2   2.503E-02 5.978E+03 1.080E-05
4.989E-05 2.47
   432   0.661   9.498E-02 3.01   0.224   3.314E+03 1.016E-04
5.394E-05 1.15
   433   0.587   7.732E-02 8.88   5.785E-02 4.476E+03 3.751E-05
5.153E-05 5.13
   434   0.573   8.374E-02 1.97   1.88   2.600E+03 2.069E-05
4.915E-05 17.7
   435   0.478   0.121   3.99   0.652   2.928E+03 1.971E-05
5.639E-05 8.32
   436   0.673   0.105   1.60   1.75   3.068E+03 2.079E-05
3.685E-05 4.52
   437   0.646   9.677E-02 5.95   0.251   3.279E+03 1.683E-05

5.588E-05 5.70
   438   0.587   9.273E-02 4.62   0.364   2.562E+03 1.719E-05
1.334E-04 16.4
   439   0.592   8.916E-02 3.47   0.165   2.658E+03 1.761E-05
5.554E-05 8.82
   440   0.547   0.112   5.39   0.160   5.676E+03 2.037E-05
3.812E-05 12.8
   441   0.752   9.585E-02 18.7   0.484   1.819E+03 2.236E-05
2.363E-04 137.
   442   0.503   0.125   28.3   2.259E-02 3.504E+03 1.409E-05
1.712E-04 1.41
   443   0.521   9.789E-02 14.2   1.91   2.317E+03 1.184E-05
4.108E-05 3.97
   444   0.566   0.106   8.08   3.215E-02 2.778E+03 3.550E-05
5.507E-05 5.97
   445   0.554   0.111   10.1   0.214   4.228E+03 5.612E-05
5.756E-05 7.66
   446   0.557   0.102   8.09   0.103   4.871E+03 1.888E-05
2.901E-05 1.60
   447   0.626   0.109   6.30   0.657   3.671E+03 1.352E-05
8.777E-05 37.3
   448   0.613   9.665E-02 10.4   0.725   2.631E+03 2.050E-05
2.709E-05 1.67
   449   0.456   0.130   16.9   0.216   2.894E+03 2.147E-05
4.619E-05 13.2
   450   0.549   9.921E-02 14.0   10.4   2.145E+03 2.165E-05
3.573E-05 4.71
   451   0.614   8.713E-02 109.   0.825   3.501E+03 1.017E-05
7.178E-05 21.2
   452   0.657   9.656E-02 10.5   0.380   3.273E+03 1.298E-05
5.339E-05 10.8
   453   0.708   9.574E-02 1.23   0.188   2.627E+03 1.549E-05
5.010E-05 5.55
   454   0.666   8.103E-02 5.55   5.161E-02 4.391E+03 1.671E-05
2.519E-04 1.59
   455   0.679   8.604E-02 9.20   1.16   3.169E+03 2.196E-05
5.104E-05 5.95
   456   0.552   0.102   9.08   0.800   5.317E+03 2.020E-05
2.163E-04 5.57
   457   0.536   0.110   17.3   0.190   4.043E+03 2.185E-05
5.409E-05 2.97
   458   0.600   9.647E-02 14.1   0.146   2.934E+03 2.157E-05
4.820E-05 1.42
   459   0.578   0.113   5.15   1.21   2.794E+03 3.360E-05
4.300E-05 8.13
   460   0.617   0.102   5.93   2.24   3.545E+03 2.113E-05
5.229E-05 16.9
   461   0.533   0.118   1.03   3.868E-02 2.572E+03 1.060E-04
3.046E-05 6.02
   462   0.500   0.133   7.99   0.131   3.468E+03 1.596E-05
5.316E-05 11.2
   463   0.702   9.380E-02 9.45   2.52   2.549E+03 2.136E-05
5.502E-05 1.49
   464   0.641   0.104   2.29   6.364E-02 4.253E+03 1.332E-05
1.267E-04 26.9
   465   0.691   8.776E-02 3.31   0.344   2.849E+03 2.289E-05
5.713E-05 2.62
   466   0.449   9.235E-02 51.8   0.516   3.685E+03 1.467E-05
2.976E-05 28.0
   467   0.485   0.120   11.4   0.539   2.262E+03 2.171E-05

4.460E-05 9.66
   468   0.574   9.489E-02 6.76   9.332E-03 3.808E+03 2.054E-05
5.699E-05 196.
   469   0.607   8.951E-02 47.4   0.246   2.313E+03 4.243E-05
2.567E-05 1.88
   470   0.515   0.102   12.3   9.811E-02 3.542E+03 3.905E-05
3.647E-05 1.28
   471   0.459   0.112   20.3   9.456E-02 3.923E+03 1.765E-05
5.575E-05 1.96
   472   0.534   0.115   4.46   4.695E-02 3.251E+03 3.375E-05
5.517E-05 79.2
   473   0.594   8.739E-02 7.12   1.60   1.755E+03 2.303E-05
1.399E-04 4.68
   474   0.675   0.101   5.30   3.578E-02 6.232E+03 3.110E-05
5.539E-05 70.3
   475   0.523   8.749E-02 3.40   5.497E-02 4.616E+03 3.088E-05
5.803E-05 2.08
   476   0.633   9.799E-02 2.64   0.768   2.119E+03 2.214E-05
8.314E-05 66.6
   477   0.582   9.670E-02 58.9   0.780   2.293E+03 3.662E-05
5.407E-05 16.2
   478   0.598   0.119   6.95   4.00   2.192E+03 1.142E-05
2.909E-05 4.08
   479   0.622   8.417E-02 8.52   4.655E-02 4.147E+03 2.063E-05
5.176E-05 4.11
   480   0.665   9.848E-02 1.38   1.18   2.799E+03 2.589E-05
5.481E-05 80.7
   481   0.605   0.117   3.87   0.707   3.592E+03 2.099E-05
8.279E-05 1.24
   482   0.583   8.912E-02 3.71   8.467E-02 3.604E+03 4.993E-05
2.537E-04 32.9
   483   0.551   9.143E-02 6.02   0.416   4.238E+03 1.151E-05
2.691E-05 8.18
   484   0.492   8.603E-02 1.18   1.20   2.499E+03 2.256E-05
5.263E-05 3.51
   485   0.613   0.112   10.2   3.82   2.971E+03 2.489E-05
5.586E-05 18.9
   486   0.471   0.105   4.82   0.387   4.794E+03 1.457E-05
1.086E-04 3.94
   487   0.512   0.109   3.67   0.233   4.017E+03 2.109E-05
5.619E-05 3.88
   488   0.583   9.741E-02 1.42   2.75   5.178E+03 2.001E-05
5.697E-05 3.33
   489   0.553   9.534E-02 3.58   1.28   4.628E+03 1.029E-05
5.245E-05 10.2
   490   0.496   0.125   3.23   0.813   4.350E+03 1.036E-05
3.663E-05 7.48
   491   0.550   0.109   1.33   0.187   3.346E+03 2.199E-05
3.935E-05 3.85
   492   0.597   0.136   2.25   1.12   5.035E+03 1.898E-05
5.591E-05 15.3
   493   0.531   0.104   25.3   0.208   2.524E+03 3.840E-05
2.099E-04 33.0
   494   0.514   8.653E-02 15.3   1.301E-02 3.717E+03 1.980E-05
5.087E-05 17.5
   495   0.612   9.348E-02 1.99   0.973   7.718E+03 2.102E-05
5.136E-05 6.59
   496   0.470   0.114   1.81   3.61   3.709E+03 2.031E-05
3.900E-05 9.56
   497   0.677   8.511E-02 6.80   0.132   3.622E+03 2.203E-05

2.655E-05 21.2
   498   0.589   0.102   5.15   9.91   3.640E+03 2.110E-05
2.614E-04 5.52
   499   0.757   0.101   2.10   4.750E-02 2.617E+03 3.944E-05
2.415E-04 18.9
   500   0.651   7.808E-02 9.86   1.33   4.863E+03 2.234E-05
6.119E-05 45.4
   501   0.539   0.110   3.69   5.647E-02 3.951E+03 2.246E-05
5.253E-05 23.9
   502   0.730   0.101   77.7   0.303   4.697E+03 1.715E-05
3.367E-05 5.45
   503   0.489   8.542E-02 24.6   5.21   2.880E+03 2.057E-05
4.589E-05 8.93
   504   0.680   0.116   36.3   1.87   2.811E+03 1.779E-05
5.663E-05 2.96
   505   0.640   9.992E-02 23.3   0.110   3.739E+03 1.103E-05
5.611E-05 2.46
   506   0.524   9.398E-02 6.46   1.998E-02 4.355E+03 1.627E-05
5.693E-05 9.40
   507   0.681   8.661E-02 17.8   0.270   2.931E+03 2.253E-05
5.638E-05 42.9
   508   0.590   0.118   135.   9.336E-02 3.898E+03 3.788E-05
5.388E-05 3.68
   509   0.615   9.285E-02 5.80   2.40   2.941E+03 1.675E-05
5.572E-05 71.8
   510   0.557   0.111   3.39   9.419E-02 1.880E+03 2.293E-05
6.291E-05 1.17
   511   0.519   9.099E-02 5.86   7.745E-02 4.944E+03 2.195E-05
5.168E-05 1.14
   512   0.552   8.098E-02 3.50   0.524   3.634E+03 2.157E-05
5.198E-05 59.6
   513   0.494   0.103   4.75   1.339E-02 3.131E+03 3.576E-05
3.549E-05 14.8
   514   0.429   8.973E-02 3.20   0.244   2.606E+03 2.078E-05
3.984E-05 1.43
   515   0.669   9.301E-02 17.0   5.042E-03 2.957E+03 2.087E-05
5.691E-05 15.5
   516   0.503   0.106   13.5   5.998E-03 3.042E+03 1.138E-04
1.360E-04 2.26
   517   0.559   0.121   1.07   9.034E-02 6.816E+03 2.026E-05
5.450E-05 21.6
   518   0.585   9.983E-02 25.0   0.292   1.677E+03 2.127E-05
6.877E-05 2.39
   519   0.589   9.808E-02 2.95   1.84   3.992E+03 1.694E-05
3.703E-04 3.96
   520   0.621   9.727E-02 2.06   0.154   4.751E+03 1.055E-05
5.680E-05 12.6
   521   0.708   0.123   2.72   0.413   4.113E+03 2.096E-05
6.817E-05 2.19
   522   0.693   0.115   6.49   0.510   3.323E+03 4.890E-05
5.709E-05 6.50
   523   0.488   0.114   26.4   2.21   4.470E+03 1.013E-04
4.172E-05 58.5
   524   0.635   8.275E-02 112.   0.120   4.927E+03 2.071E-05
3.199E-05 19.7
   525   0.709   9.455E-02 32.4   1.698E-02 2.363E+03 1.856E-05
5.509E-05 1.84
   526   0.483   7.987E-02 2.23   13.7   1.973E+03 1.163E-05
5.100E-05 3.49
   527   0.492   9.689E-02 2.91   0.730   2.857E+03 6.363E-05

5.150E-05 8.72
528 0.537 9.077E-02 5.01 5.314E-02 3.531E+03 1.863E-05
5.762E-05 2.00
529 0.790 9.702E-02 5.45 0.137 2.703E+03 2.060E-05
5.363E-05 7.93
530 0.629 0.122 42.7 1.57 2.459E+03 4.225E-05
5.522E-05 9.84
531 0.656 0.108 6.78 0.912 3.565E+03 2.208E-05
5.140E-05 12.8
532 0.698 0.118 18.4 2.65 2.871E+03 2.167E-05
5.324E-05 3.35
533 0.623 0.122 11.2 15.1 3.268E+03 5.315E-05
5.166E-05 42.5
534 0.471 0.110 11.6 2.44 2.616E+03 1.068E-05
5.309E-05 12.0
535 0.591 0.130 1.34 2.469E-02 4.105E+03 2.009E-05
4.361E-05 32.1
536 0.526 0.106 13.9 0.183 2.304E+03 1.075E-05
5.548E-05 36.4
537 0.474 9.550E-02 5.60 1.70 2.077E+03 2.124E-05
5.651E-05 2.45
538 0.673 0.115 22.8 0.106 4.730E+03 2.131E-05
5.276E-05 4.90
539 0.735 0.109 15.3 0.152 3.165E+03 1.299E-05
5.728E-05 10.4
540 0.628 8.118E-02 10.7 1.38 3.428E+03 1.326E-05
4.715E-05 1.81
541 0.741 0.112 2.82 1.227E-02 5.340E+03 2.052E-05
5.458E-05 54.7
542 0.678 7.686E-02 5.84 0.965 1.806E+03 2.102E-05
5.100E-05 44.8
543 0.643 9.818E-02 6.70 0.223 4.257E+03 3.400E-05
1.298E-04 33.3
544 0.580 9.290E-02 7.11 0.178 3.588E+03 2.086E-05
5.497E-05 11.9
545 0.577 0.117 27.0 0.164 5.141E+03 1.561E-05
5.314E-05 3.44
546 0.730 0.109 0.603 2.25 1.905E+03 2.260E-05
1.431E-04 4.76
547 0.597 0.101 10.7 4.149E-02 6.613E+03 2.021E-05
3.711E-05 21.7
548 0.695 9.199E-02 7.54 7.016E-03 2.276E+03 2.302E-05
1.170E-04 4.59
549 0.634 0.116 6.27 2.18 2.520E+03 1.009E-04
5.664E-05 4.81
550 0.602 9.596E-02 17.5 5.31 3.127E+03 2.178E-05
3.274E-05 3.76
551 0.535 0.110 9.02 3.034E-02 2.777E+03 2.168E-05
9.709E-05 10.7
552 0.536 0.135 30.1 0.958 3.386E+03 1.549E-05
1.865E-04 12.0
553 0.546 8.835E-02 5.03 0.259 3.556E+03 9.991E-05
7.294E-05 3.29
554 0.525 8.421E-02 15.9 1.12 1.720E+03 1.533E-05
4.287E-05 4.30
555 0.722 0.109 6.17 3.78 5.384E+03 2.233E-05
5.615E-05 11.8
556 0.580 7.928E-02 12.2 1.51 3.810E+03 1.038E-05
4.831E-05 14.6
557 0.674 0.120 7.81 2.96 2.481E+03 1.192E-05

5.063E-05 44.2
   558   0.492   0.103   1.55   4.568E-02 3.482E+03 2.092E-05
4.544E-05 3.09
   559   0.756   9.966E-02 5.68   1.569E-02 4.193E+03 2.218E-05
5.219E-05 2.03
   560   0.575   0.106   11.5   2.59   3.311E+03 2.244E-05
3.683E-05 1.18
   561   0.670   0.109   2.26   1.10   4.183E+03 4.199E-05
4.864E-05 3.46
   562   0.561   0.141   7.49   0.247   5.234E+03 2.274E-05
5.405E-05 2.79
   563   0.674   0.111   2.57   6.601E-02 3.214E+03 2.300E-05
5.410E-05 29.5
   564   0.530   9.942E-02 18.5   6.69   2.755E+03 2.119E-05
4.134E-05 2.04
   565   0.458   8.586E-02 4.37   0.327   4.531E+03 8.124E-05
5.499E-05 1.33
   566   0.548   0.101   14.9   0.172   2.786E+03 2.123E-05
5.105E-05 94.2
   567   0.707   9.180E-02 2.01   0.214   3.105E+03 1.907E-05
4.909E-05 6.96
   568   0.470   0.125   3.50   0.725   2.850E+03 2.207E-05
5.582E-05 24.6
   569   0.519   0.115   10.3   0.103   2.973E+03 1.252E-05
2.663E-05 2.65
   570   0.585   0.118   6.65   7.833E-02 3.610E+03 1.929E-05
3.397E-05 2.83
   571   0.490   0.124   25.5   0.181   2.652E+03 1.984E-05
4.597E-05 2.60
   572   0.659   0.121   15.0   2.86   3.285E+03 2.150E-05
5.952E-05 2.76
   573   0.606   0.106   13.5   1.06   3.028E+03 2.052E-05
5.534E-05 1.69
   574   0.508   8.550E-02 86.5   7.151E-02 3.815E+03 1.851E-05
5.348E-05 12.8
   575   0.654   0.134   13.2   0.101   2.982E+03 1.918E-05
5.230E-05 5.22
   576   0.755   0.105   23.1   1.24   5.082E+03 2.309E-05
5.446E-05 6.87
   577   0.585   0.101   33.6   0.130   3.975E+03 1.018E-05
5.681E-05 17.8
   578   0.639   0.122   28.9   3.25   4.009E+03 2.029E-05
5.475E-05 4.41
   579   0.727   9.384E-02 20.1   2.58   2.553E+03 4.325E-05
3.525E-05 9.67
   580   0.515   9.120E-02 1.47   0.354   2.634E+03 2.189E-05
5.453E-05 77.0
   581   0.501   9.011E-02 11.1   7.35   3.921E+03 2.056E-05
2.577E-05 37.7
   582   0.573   7.830E-02 5.62   10.8   2.415E+03 1.588E-05
4.675E-05 6.33
   583   0.543   8.981E-02 3.16   0.381   3.517E+03 2.632E-05
3.081E-05 27.5
   584   0.518   8.767E-02 12.2   4.054E-02 3.089E+03 2.034E-05
1.015E-04 7.64
   585   0.548   7.447E-02 7.41   6.297E-02 2.838E+03 1.709E-05
9.590E-05 3.77
   586   0.557   0.116   3.25   3.591E-02 2.020E+03 2.693E-05
5.716E-05 10.2
   587   0.531   8.804E-02 2.48   7.73   3.237E+03 1.590E-05

3.727E-05 8.36
   588   0.450   8.642E-02 3.65   1.45   3.341E+03 2.123E-05
5.734E-05 2.57
   589   0.615   8.625E-02 10.4   8.49   3.404E+03 2.278E-05
5.271E-05 4.37
   590   0.566   0.126   14.8   2.592E-02 3.542E+03 1.841E-05
5.073E-05 6.94
   591   0.678   7.855E-02 24.6   0.200   2.986E+03 2.187E-05
4.903E-05 3.04
   592   0.441   0.114   6.73   4.903E-02 6.544E+03 2.264E-05
1.008E-04 49.7
   593   0.622   7.647E-02 4.50   0.212   3.693E+03 2.049E-05
3.703E-05 2.89
   594   0.595   0.119   0.563   0.400   4.012E+03 2.164E-05
4.639E-05 25.8
   595   0.512   9.628E-02 24.2   0.173   4.109E+03 2.148E-05
2.207E-04 1.68
   596   0.553   9.222E-02 11.2   2.305E-02 3.004E+03 2.431E-05
4.566E-05 11.0
   597   0.484   9.113E-02 3.38   3.736E-02 2.900E+03 5.028E-05
5.127E-05 2.91
   598   0.426   0.116   4.89   1.22   4.365E+03 1.585E-05
5.524E-05 1.65
   599   0.487   0.111   55.2   0.230   4.065E+03 4.409E-05
5.424E-05 1.32
   600   0.555   0.142   19.2   6.869E-02 2.540E+03 2.244E-05
5.222E-05 4.32
   601   0.769   9.526E-02 4.98   11.3   3.117E+03 2.120E-05
5.740E-05 61.3
   602   0.550   9.406E-02 4.65   1.398E-02 2.785E+03 2.004E-05
7.466E-05 38.9
   603   0.579   9.611E-02 5.76   0.634   3.770E+03 1.032E-05
1.387E-04 4.98
   604   0.602   0.139   6.92   2.83   2.610E+03 1.568E-05
5.531E-05 2.51
   605   0.697   0.113   0.905   4.20   2.267E+03 1.805E-05
5.056E-05 25.3
   606   0.482   0.126   4.33   0.620   3.905E+03 2.182E-05
1.021E-04 1.53
   607   0.457   0.114   2.91   0.136   2.244E+03 1.775E-05
5.155E-05 5.01
   608   0.598   9.723E-02 0.460   7.23   4.947E+03 1.751E-05
1.052E-04 9.62
   609   0.556   0.131   33.2   2.47   3.047E+03 2.033E-05
5.560E-05 3.67
   610   0.569   0.138   4.22   9.17   2.502E+03 2.124E-05
5.505E-05 98.1
   611   0.489   0.113   9.75   2.559E-02 3.876E+03 3.682E-05
3.490E-05 290.
   612   0.559   8.263E-02 6.57   0.123   2.425E+03 9.343E-05
4.383E-05 1.98
   613   0.579   0.121   5.58   0.869   4.773E+03 2.233E-05
5.540E-05 25.5
   614   0.569   0.132   9.43   4.938E-02 4.507E+03 1.835E-05
3.721E-05 13.4
   615   0.549   0.131   5.71   7.654E-02 2.724E+03 2.301E-05
3.397E-04 24.4
   616   0.621   9.888E-02 3.30   0.149   5.162E+03 1.517E-05
3.301E-05 5.80
   617   0.572   0.112   16.4   0.194   4.416E+03 1.489E-05

5.242E-05 15.7
618 0.466 9.373E-02 6.70 0.228 4.176E+03 1.546E-05
5.240E-05 20.3
619 0.680 0.108 10.1 0.458 4.200E+03 1.666E-05
5.737E-05 7.42
620 0.700 0.102 5.19 7.880E-02 1.618E+03 2.259E-05
3.014E-05 7.08
621 0.555 0.105 34.0 0.101 3.845E+03 1.736E-05
3.817E-05 6.99
622 0.537 0.123 97.2 6.999E-02 7.056E+03 2.149E-05
1.261E-04 49.3
623 0.638 9.449E-02 56.4 0.236 1.650E+03 2.129E-05
5.702E-05 1.26
624 0.712 0.120 15.7 0.494 6.658E+03 1.542E-05
7.907E-05 2.54
625 0.765 8.151E-02 7.61 2.736E-02 6.068E+03 1.233E-05
5.401E-05 7.20
626 0.475 0.112 11.1 41.8 2.775E+03 2.053E-05
3.340E-05 5.27
627 0.603 8.308E-02 1.43 3.16 3.750E+03 3.968E-05
4.278E-05 25.5
628 0.692 0.104 2.46 4.826E-02 2.328E+03 1.857E-05
2.069E-04 6.16
629 0.676 9.027E-02 17.4 7.035E-02 3.765E+03 2.188E-05
4.599E-05 26.1
630 0.478 8.428E-02 2.06 1.04 4.649E+03 1.413E-05
3.103E-05 26.2
631 0.487 8.180E-02 3.28 8.690E-02 4.789E+03 2.142E-05
5.285E-05 13.5
632 0.690 9.777E-02 18.1 0.293 4.260E+03 1.195E-05
9.780E-05 2.57
633 0.574 9.865E-02 5.35 5.214E-02 4.205E+03 1.578E-05
1.243E-04 6.41
634 0.533 8.492E-02 26.8 16.4 4.344E+03 1.263E-05
5.550E-05 18.7
635 0.564 0.109 1.14 1.14 3.583E+03 2.152E-05
2.896E-05 2.64
636 0.585 8.718E-02 22.3 0.659 2.770E+03 4.963E-05
3.252E-05 4.24
637 0.533 0.103 9.37 0.145 1.538E+03 2.649E-05
1.114E-04 2.65
638 0.696 0.116 4.11 2.01 3.568E+03 5.447E-05
5.495E-05 3.22
639 0.614 9.956E-02 1.32 0.218 2.743E+03 1.189E-05
5.675E-05 1.24
640 0.505 8.359E-02 1.84 0.465 2.531E+03 1.700E-05
5.319E-05 7.30
641 0.483 0.113 13.2 6.932E-02 2.266E+03 2.072E-05
5.146E-05 10.0
642 0.710 0.105 0.681 0.482 3.026E+03 1.793E-05
5.413E-05 29.0
643 0.600 0.110 5.07 8.015E-02 2.918E+03 4.702E-05
3.329E-05 21.4
644 0.595 0.103 8.40 0.371 3.683E+03 2.230E-05
5.568E-05 31.6
645 0.617 7.723E-02 6.74 1.75 2.925E+03 1.015E-05
5.478E-05 9.38
646 0.714 0.103 4.67 5.85 2.967E+03 2.138E-05
5.605E-05 11.2
647 0.688 9.479E-02 3.17 3.04 2.065E+03 2.072E-05

3.741E-05	5.32					
648	0.448	0.102	4.09	8.13	1.865E+03	1.433E-05
4.198E-05	1.73					
649	0.654	0.102	3.54	0.755	4.839E+03	1.273E-05
4.480E-05	20.1					
650	0.607	0.126	2.62	8.135E-02	4.598E+03	2.150E-05
5.379E-05	2.31					
651	0.695	8.706E-02	6.55	7.248E-02	3.937E+03	4.173E-05
9.098E-05	20.1					
652	0.670	9.502E-02	1.52	5.426E-02	5.464E+03	2.070E-05
5.710E-05	13.7					
653	0.632	8.557E-02	15.1	0.125	2.316E+03	2.075E-05
2.853E-05	2.27					
654	0.572	9.232E-02	20.2	2.699E-02	2.586E+03	2.240E-05
8.645E-05	5.90					
655	0.563	0.113	24.0	2.08	2.646E+03	2.269E-05
5.419E-05	65.1					
656	0.583	8.788E-02	5.96	0.302	2.389E+03	5.017E-05
5.227E-05	13.4					
657	0.675	7.873E-02	6.32	0.419	2.996E+03	2.076E-05
5.717E-05	4.84					
658	0.599	0.111	3.04	0.139	2.352E+03	1.957E-05
2.616E-05	6.78					
659	0.589	0.101	34.5	0.463	3.641E+03	1.772E-05
1.183E-04	2.77					
660	0.592	0.107	10.0	3.38	3.136E+03	1.937E-05
2.613E-04	5.08					
661	0.619	9.106E-02	10.5	0.220	1.493E+03	2.077E-05
5.151E-05	3.89					
662	0.549	9.791E-02	11.9	0.313	2.660E+03	1.356E-05
5.556E-05	15.4					
663	0.624	8.165E-02	7.37	0.142	5.560E+03	2.167E-05
4.416E-05	14.2					
664	0.580	0.106	6.96	6.57	4.859E+03	2.163E-05
5.555E-05	9.32					
665	0.664	9.353E-02	6.04	1.62	2.125E+03	2.045E-05
8.875E-05	1.30					
666	0.626	8.735E-02	1.94	1.07	3.242E+03	2.066E-05
4.703E-05	1.40					
667	0.480	0.113	3.52	4.94	3.056E+03	1.185E-05
5.283E-05	38.3					
668	0.527	0.110	9.30	0.238	2.753E+03	1.319E-05
3.548E-05	3.13					
669	0.605	8.206E-02	18.7	1.41	3.181E+03	2.224E-05
3.952E-05	5.53					
670	0.423	0.112	0.977	8.048E-02	4.140E+03	2.026E-05
5.745E-05	52.9					
671	0.762	0.103	4.68	3.106E-02	4.084E+03	1.618E-05
4.753E-05	22.3					
672	0.586	0.109	8.28	0.242	1.992E+03	1.688E-05
3.893E-05	15.3					
673	0.538	0.106	2.65	0.936	3.706E+03	2.031E-05
5.706E-05	21.8					
674	0.428	9.435E-02	3.02	0.319	2.942E+03	1.651E-05
5.188E-05	3.29					
675	0.687	0.102	10.1	0.202	5.593E+03	3.470E-05
1.607E-04	4.94					
676	0.708	0.132	4.33	1.191E-02	3.017E+03	1.148E-05
4.143E-05	16.2					
677	0.552	9.657E-02	3.81	0.132	3.024E+03	4.298E-05

5.565E-05 26.6
   678   0.499   9.620E-02 7.59   1.479E-02 4.516E+03 1.435E-05
7.739E-05 8.85
   679   0.682   0.103   14.6   1.557E-02 4.488E+03 4.844E-05
8.463E-05 4.42
   680   0.597   0.115   1.63   0.156   3.538E+03 2.212E-05
5.061E-05 13.7
   681   0.568   0.111   12.3   0.158   3.678E+03 1.527E-05
5.726E-05 3.23
   682   0.714   7.952E-02 15.5   0.988   4.688E+03 2.291E-05
4.871E-05 4.60
   683   0.576   9.312E-02 2.81   0.506   4.496E+03 2.144E-05
3.506E-05 8.79
   684   0.684   0.137   16.1   0.477   1.857E+03 1.829E-05
4.271E-05 12.6
   685   0.471   9.747E-02 48.4   0.752   3.092E+03 2.298E-05
4.102E-05 6.57
   686   0.517   0.105   5.77   3.778E-02 3.185E+03 3.051E-05
3.658E-05 1.20
   687   0.513   9.583E-02 19.4   6.240E-03 2.011E+03 2.030E-05
4.049E-05 8.21
   688   0.513   0.122   14.6   1.56   2.735E+03 2.294E-05
4.571E-05 23.2
   689   0.451   9.395E-02 7.53   0.106   2.403E+03 2.286E-05
5.767E-05 91.6
   690   0.641   0.134   12.5   0.299   2.841E+03 1.377E-05
1.110E-04 24.2
   691   0.635   8.963E-02 19.1   0.674   2.824E+03 5.726E-05
4.955E-05 21.7
   692   0.502   0.125   49.1   1.24   2.514E+03 1.758E-05
5.613E-05 16.5
   693   0.650   0.107   40.9   9.984E-02 2.885E+03 3.453E-05
4.476E-05 95.7
   694   0.519   0.109   235.   2.13   4.168E+03 2.227E-05
7.662E-05 7.01
   695   0.454   0.105   2.04   7.52   3.002E+03 2.130E-05
1.384E-04 10.5
   696   0.684   8.259E-02 11.3   0.563   3.049E+03 2.246E-05
1.376E-04 1.48
   697   0.690   9.600E-02 2.37   0.206   1.996E+03 2.155E-05
5.111E-05 2.87
   698   0.522   0.121   41.3   9.722E-02 2.796E+03 2.299E-05
2.727E-04 4.88
   699   0.731   8.726E-02 11.8   0.522   4.671E+03 3.290E-05
5.371E-05 7.52
   700   0.733   0.134   16.7   1.653E-02 3.895E+03 2.245E-05
3.476E-05 2.13
   701   0.637   0.102   15.4   1.086E-02 1.791E+03 2.283E-05
5.476E-05 13.3
   702   0.602   0.137   6.08   1.39   2.655E+03 1.416E-05
4.547E-05 3.82
   703   0.538   0.106   30.9   6.20   4.117E+03 2.029E-05
5.442E-05 2.42
   704   0.704   7.889E-02 9.97   7.488E-03 3.138E+03 2.074E-05
2.397E-04 14.2
   705   0.516   0.120   14.3   0.717   1.305E+03 1.042E-05
3.496E-05 14.4
   706   0.633   9.603E-02 63.2   3.055E-02 2.898E+03 1.983E-05
4.338E-05 1.63
   707   0.719   0.106   1.89   1.00   3.209E+03 2.240E-05

2.937E-05 3.53
   708   0.544   8.052E-02 57.6   0.297   4.192E+03 2.174E-05
4.096E-05 3.63
   709   0.567   0.106   9.41   6.192E-02 2.477E+03 1.493E-05
5.234E-05 2.16
   710   0.506   8.880E-02 3.36   9.80   3.240E+03 2.013E-05
5.177E-05 2.18
   711   0.599   0.120   12.5   4.813E-03 2.334E+03 1.876E-05
2.825E-05 6.53
   712   0.656   8.345E-02 5.11   7.590E-02 2.447E+03 2.080E-05
3.852E-05 6.89
   713   0.545   0.104   5.90   0.325   1.662E+03 2.083E-05
1.097E-04 82.0
   714   0.672   0.102   45.1   0.626   2.993E+03 2.250E-05
2.779E-05 8.90
   715   0.548   0.110   5.64   0.263   3.012E+03 2.302E-05
3.206E-05 20.4
   716   0.724   9.308E-02 12.4   3.480E-02 2.638E+03 1.169E-05
4.775E-05 23.5
   717   0.567   7.531E-02 13.3   4.66   6.835E+03 2.895E-05
3.878E-05 29.3
   718   0.446   0.114   2.42   0.370   4.765E+03 2.107E-05
5.067E-05 15.6
   719   0.449   9.023E-02 1.86   0.243   5.065E+03 4.668E-05
5.213E-05 46.9
   720   0.596   0.106   2.21   0.608   3.934E+03 2.344E-05
5.399E-05 5.87
   721   0.467   7.786E-02 1.40   0.617   2.738E+03 1.088E-05
3.193E-05 11.9
   722   0.617   8.211E-02 5.41   5.68   4.158E+03 1.660E-05
5.192E-05 4.21
   723   0.739   0.115   8.13   6.444E-02 3.624E+03 1.534E-05
4.076E-05 20.9
   724   0.632   9.675E-02 5.52   0.221   2.340E+03 6.806E-05
5.405E-05 17.3
   725   0.499   9.717E-02 12.9   0.480   2.392E+03 2.028E-05
2.701E-04 2.92
   726   0.644   9.731E-02 19.5   4.71   3.446E+03 4.148E-05
5.707E-05 14.0
   727   0.719   0.141   13.7   6.402E-02 3.752E+03 2.158E-05
2.697E-05 21.4
   728   0.509   0.111   30.0   1.22   3.434E+03 5.078E-05
1.402E-04 3.70
   729   0.637   9.767E-02 23.5   0.204   3.472E+03 2.292E-05
5.303E-05 4.36
   730   0.647   0.117   4.90   1.96   3.266E+03 1.744E-05
2.800E-04 27.9
   731   0.566   9.494E-02 1.77   7.454E-02 2.088E+03 2.128E-05
5.627E-05 8.46
   732   0.526   9.038E-02 3.61   0.264   3.156E+03 3.809E-05
1.155E-04 7.45
   733   0.494   0.106   3.79   8.806E-02 4.916E+03 2.046E-05
3.838E-05 1.12
   734   0.746   0.122   26.6   0.191   1.551E+03 2.222E-05
5.249E-05 62.2
   735   0.560   7.503E-02 2.03   8.916E-02 4.360E+03 1.099E-05
3.150E-05 12.3
   736   0.436   0.126   14.9   0.111   4.321E+03 1.944E-05
5.086E-05 3.43
   737   0.600   0.129   10.3   1.93   4.480E+03 2.107E-05

3.313E-05 7.06
   738   0.510   0.112   2.78   1.750E-02 3.918E+03 2.163E-05
1.259E-04 6.45
   739   0.499   9.249E-02 2.67   0.395   4.077E+03 2.297E-05
3.113E-05 11.1
   740   0.511   0.107   1.64   1.26   2.084E+03 1.873E-05
5.075E-05 3.64
   741   0.445   8.612E-02 5.44   3.44   2.663E+03 2.083E-05
5.608E-05 4.82
   742   0.541   0.127   17.8   3.468E-02 3.144E+03 8.882E-05
3.318E-05 15.2
   743   0.452   0.111   13.6   0.496   3.199E+03 2.307E-05
5.185E-05 13.6
   744   0.540   0.126   1.54   1.68   4.982E+03 1.122E-05
5.744E-05 5.19
   745   0.518   0.105   3.26   1.58   4.927E+03 1.755E-05
5.158E-05 2.73
   746   0.567   8.467E-02 54.1   5.843E-02 2.867E+03 1.280E-05
5.429E-05 2.68
   747   0.622   0.101   3.10   0.100   5.484E+03 2.181E-05
5.468E-05 1.05
   748   0.705   0.101   3.08   0.165   5.259E+03 2.841E-05
5.321E-05 34.0
   749   0.683   0.130   19.8   2.965E-02 2.031E+03 2.160E-05
5.165E-05 46.2
   750   0.619   0.129   2.33   0.162   3.757E+03 3.985E-05
4.086E-05 4.79
   751   0.682   9.933E-02 22.4   0.564   2.905E+03 1.066E-05
3.588E-05 3.38
   752   0.588   9.873E-02 1.41   4.450E-02 3.109E+03 2.135E-05
1.200E-04 11.6
   753   0.671   0.123   23.4   6.112E-02 3.534E+03 2.250E-05
5.333E-05 2.33
   754   0.595   0.128   9.59   1.35   4.088E+03 2.179E-05
5.207E-05 1.75
   755   0.630   0.102   5.72   0.446   3.724E+03 2.116E-05
3.755E-05 2.81
   756   0.554   0.109   1.09   0.889   4.442E+03 1.421E-05
5.622E-05 9.18
   757   0.526   9.443E-02 10.9   5.336E-02 3.477E+03 5.279E-05
3.566E-05 16.0
   758   0.566   0.104   1.68   0.179   3.745E+03 2.211E-05
5.464E-05 7.26
   759   0.582   7.335E-02 12.9   4.431E-03 2.358E+03 2.050E-05
5.122E-05 7.37
   760   0.560   0.100   4.21   0.105   2.493E+03 2.067E-05
5.613E-05 1.22
   761   0.655   0.117   2.27   0.134   4.714E+03 6.593E-05
5.712E-05 10.6
   762   0.543   0.101   2.07   0.301   1.943E+03 2.128E-05
3.541E-05 10.1
   763   0.532   9.371E-02 22.0   0.182   3.823E+03 4.348E-05
5.435E-05 4.47
   764   0.519   0.106   6.43   0.781   2.881E+03 2.289E-05
5.225E-05 72.3
   765   0.542   0.116   4.72   0.759   3.039E+03 1.345E-05
5.376E-05 1.78
   766   0.530   8.450E-02 2.54   9.906E-02 5.585E+03 1.026E-05
5.747E-05 111.
   767   0.524   0.104   4.92   0.528   5.130E+03 1.593E-05

4.397E-05 47.2
   768   0.481   0.110   24.7   0.862   4.548E+03 2.296E-05
5.277E-05 2.35
   769   0.539   0.125   3.44   1.59   2.175E+03 1.641E-05
5.182E-05 1.83
   770   0.453   0.100   4.61   0.201   3.317E+03 2.153E-05
5.667E-05 34.8
   771   0.612   9.266E-02 17.0   0.424   3.295E+03 2.202E-05
8.548E-05 7.70
   772   0.469   0.110   16.2   6.110E-02 4.821E+03 2.279E-05
3.081E-05 6.10
   773   0.683   8.934E-02 52.7   0.127   3.831E+03 2.283E-05
3.908E-05 1.19
   774   0.657   9.626E-02 8.47   0.347   2.802E+03 8.393E-05
5.646E-05 6.37
   775   0.629   0.116   16.1   3.006E-02 5.015E+03 2.285E-05
4.219E-05 8.01
   776   0.696   0.123   2.99   0.340   2.343E+03 1.291E-05
2.553E-04 8.26
   777   0.605   0.139   29.6   7.635E-02 2.963E+03 1.503E-05
5.039E-05 2.52
   778   0.577   0.101   15.9   5.084E-02 4.022E+03 2.062E-05
5.174E-05 1.70
   779   0.577   0.123   6.50   0.307   3.287E+03 1.931E-05
3.632E-05 1.11
   780   0.593   9.699E-02 2.71   0.845   4.053E+03 7.497E-05
5.169E-05 1.48
   781   0.811   0.135   5.28   3.68   2.163E+03 1.349E-05
3.440E-05 24.7
   782   0.555   0.111   3.98   2.379E-02 1.869E+03 1.992E-05
5.235E-05 1.14
   783   0.647   0.133   8.63   1.30   1.692E+03 1.219E-05
6.957E-05 19.5
   784   0.611   0.107   5.04   0.994   3.579E+03 3.203E-05
5.625E-05 6.42
   785   0.496   0.113   6.25   9.851E-02 3.885E+03 2.139E-05
5.280E-05 2.23
   786   0.495   0.114   5.42   0.427   2.732E+03 2.132E-05
5.095E-05 1.80
   787   0.628   9.402E-02 26.4   0.199   2.912E+03 2.122E-05
7.562E-05 39.7
   788   0.528   8.938E-02 16.9   0.514   3.382E+03 1.509E-05
3.865E-05 18.8
   789   0.610   0.127   2.69   0.102   2.665E+03 2.225E-05
5.125E-05 1.51
   790   0.652   0.100   3.14   1.19   3.283E+03 2.210E-05
5.763E-05 3.09
   791   0.664   0.111   6.65   1.013E-02 2.917E+03 4.426E-05
4.054E-05 1.37
   792   0.761   0.108   4.03   0.276   2.845E+03 1.076E-05
3.603E-05 1.86
   793   0.447   0.119   4.28   0.430   2.473E+03 2.288E-05
5.342E-05 5.27
   794   0.556   0.104   7.09   0.205   3.497E+03 2.105E-05
5.509E-05 26.5
   795   0.706   9.458E-02 2.76   0.255   4.736E+03 1.833E-05
4.145E-05 11.3
   796   0.571   7.943E-02 17.1   0.743   3.661E+03 2.177E-05
9.460E-05 4.92
   797   0.635   8.965E-02 3.09   3.06   3.339E+03 2.154E-05

1.025E-04 17.2
   798   0.526   8.148E-02 0.738   4.173E-02 3.606E+03 2.151E-05
3.763E-05 26.0
   799   0.554   0.122   14.0   2.77   3.671E+03 2.132E-05
4.246E-05 7.46
   800   0.657   0.108   3.63   8.350E-02 3.376E+03 2.122E-05
2.843E-05 36.1
   801   0.613   0.130   22.7   7.806E-02 4.687E+03 1.787E-05
4.154E-05 171.
   802   0.770   9.691E-02 5.32   0.586   3.527E+03 1.327E-05
3.210E-05 11.2
   803   0.610   9.557E-02 5.25   0.612   5.444E+03 4.586E-05
5.115E-05 40.9
   804   0.565   9.377E-02 4.71   6.815E-02 6.289E+03 2.190E-05
5.201E-05 6.71
   805   0.702   8.821E-02 24.3   7.88   2.206E+03 1.654E-05
3.136E-05 52.5
   806   0.606   9.855E-02 2.59   0.109   3.465E+03 2.230E-05
4.993E-05 6.28
   807   0.653   0.115   53.3   0.895   3.797E+03 2.059E-05
5.438E-05 7.03
   808   0.609   0.129   11.7   3.57   5.030E+03 2.236E-05
5.195E-05 20.6
   809   0.627   0.104   6.34   0.155   2.251E+03 3.323E-05
5.305E-05 3.19
   810   0.432   0.107   3.19   0.260   2.862E+03 2.286E-05
5.516E-05 61.0
   811   0.737   0.129   8.25   1.601E-02 3.402E+03 1.883E-05
4.761E-05 1.26
   812   0.537   0.114   4.27   0.692   2.227E+03 1.924E-05
5.126E-05 15.9
   813   0.632   0.131   10.0   0.134   3.032E+03 2.046E-05
5.291E-05 6.76
   814   0.650   8.073E-02 74.4   0.115   3.862E+03 1.903E-05
5.097E-05 22.6
   815   0.497   8.186E-02 14.5   4.04   2.921E+03 1.118E-05
2.605E-05 161.
   816   0.776   0.103   8.60   8.898E-03 2.895E+03 2.222E-05
5.386E-05 33.8
   817   0.473   0.105   13.0   1.67   3.172E+03 2.224E-05
6.893E-05 30.9
   818   0.626   7.699E-02 46.2   0.520   2.832E+03 1.795E-04
5.472E-05 28.8
   819   0.550   8.127E-02 1.90   0.188   2.750E+03 1.073E-04
2.662E-04 2.43
   820   0.638   9.358E-02 2.52   1.61   3.248E+03 2.134E-05
5.501E-05 6.49
   821   0.729   0.103   3.32   0.402   5.635E+03 2.173E-05
3.619E-05 1.02
   822   0.503   9.472E-02 3.78   0.243   2.683E+03 1.798E-05
1.356E-04 16.5
   823   0.548   0.104   6.68   9.136E-02 3.101E+03 2.065E-05
5.512E-05 13.2
   824   0.744   0.121   96.1   0.897   2.580E+03 3.007E-05
4.043E-05 2.10
   825   0.576   0.126   5.33   9.554E-02 3.586E+03 2.184E-05
2.609E-05 34.6
   826   0.513   0.130   38.3   12.0   2.438E+03 2.184E-05
1.413E-04 19.2
   827   0.586   0.103   4.19   0.134   2.883E+03 2.058E-05

3.922E-05 9.44
828 0.528 9.927E-02 23.4 0.280 2.697E+03 2.169E-05
5.130E-05 40.5
829 0.649 8.537E-02 8.84 0.292 7.384E+03 1.950E-05
3.515E-05 5.15
830 0.610 0.138 17.3 1.34 1.971E+03 2.272E-05
1.473E-04 69.1
831 0.465 0.121 37.5 0.322 3.594E+03 2.268E-05
3.104E-05 116.
832 0.571 0.108 21.8 7.543E-02 1.768E+03 2.040E-05
1.145E-04 3.59
833 0.472 0.110 20.9 0.644 4.097E+03 2.768E-05
7.619E-05 9.17
834 0.545 9.413E-02 32.1 0.432 2.708E+03 4.740E-05
5.303E-05 18.0
835 0.608 0.117 18.2 0.238 3.154E+03 2.111E-05
1.513E-04 11.0
836 0.541 0.110 5.10 5.850E-04 3.217E+03 2.082E-05
3.462E-05 20.0
837 0.609 9.205E-02 4.58 0.664 2.891E+03 1.695E-05
6.627E-05 4.65
838 0.677 8.997E-02 21.3 1.901E-02 2.296E+03 1.334E-05
5.298E-05 8.59
839 0.476 0.118 35.6 0.265 3.558E+03 1.810E-05
2.272E-04 2.40
840 0.772 7.992E-02 10.7 2.94 4.312E+03 2.135E-05
4.443E-05 21.9
841 0.502 7.257E-02 0.774 78.5 3.371E+03 2.060E-05
5.642E-05 2.48
842 0.747 0.140 8.71 0.593 3.692E+03 2.193E-05
3.331E-05 14.9
843 0.508 0.104 2.15 0.151 2.790E+03 2.241E-05
5.579E-05 7.87
844 0.490 9.770E-02 82.3 0.787 2.950E+03 2.170E-05
1.283E-04 4.13
845 0.569 9.911E-02 7.30 1.38 3.226E+03 2.202E-05
2.029E-04 2.13
846 0.514 0.106 7.50 4.57 3.411E+03 2.024E-05
5.370E-05 5.40
847 0.419 7.599E-02 16.8 0.420 5.914E+03 2.174E-05
5.281E-05 83.1
848 0.482 8.876E-02 4.34 0.547 2.671E+03 3.600E-05
5.362E-05 3.55
849 0.504 0.117 34.9 1.261E-02 4.567E+03 2.982E-05
2.536E-05 3.32
850 0.525 9.623E-02 6.22 2.025E-03 3.562E+03 1.012E-05
1.246E-04 5.09
851 0.750 0.105 2.34 0.220 3.891E+03 2.208E-05
3.822E-05 14.9
852 0.738 0.106 9.03 0.335 2.806E+03 1.070E-05
1.032E-04 7.61
853 0.558 0.126 8.93 0.409 2.818E+03 1.404E-05
7.011E-05 2.28
854 0.467 9.336E-02 12.8 2.289E-02 4.129E+03 2.212E-05
5.260E-05 21.0
855 0.530 0.119 7.27 7.946E-02 2.405E+03 2.251E-05
3.967E-05 1.36
856 0.541 9.868E-02 9.40 3.649E-02 2.128E+03 6.237E-05
2.779E-05 19.2
857 0.550 0.113 1.01 3.422E-02 2.937E+03 2.298E-05

3.410E-05	11.6						
858	0.604	8.399E-02	38.8	8.197E-02	2.131E+03	1.309E-05	
5.221E-05	1.59						
859	0.584	0.132	4.86	1.11	3.631E+03	1.004E-04	
4.733E-05	1.06						
860	0.576	9.567E-02	34.3	0.200	3.140E+03	3.997E-05	
3.561E-05	5.46						
861	0.704	0.109	20.5	6.030E-02	3.189E+03	5.637E-05	
1.130E-04	24.1						
862	0.544	0.105	19.9	7.344E-02	5.280E+03	2.171E-05	
4.163E-05	14.0						
863	0.507	0.133	13.6	33.4	3.039E+03	2.042E-05	
5.076E-05	14.5						
864	0.715	0.121	24.0	0.337	2.979E+03	1.442E-05	
5.749E-05	13.1						
865	0.799	0.124	12.8	3.20	5.732E+03	2.265E-05	
4.519E-05	3.15						
866	0.546	9.050E-02	17.4	5.46	3.786E+03	2.295E-05	
5.632E-05	6.39						
867	0.494	9.994E-02	13.8	0.355	4.385E+03	3.269E-05	
5.276E-05	2.30						
868	0.602	9.430E-02	2.17	3.51	3.365E+03	1.127E-05	
5.081E-05	28.5						
869	0.545	9.578E-02	42.0	0.623	3.216E+03	1.722E-05	
1.420E-04	2.49						
870	0.594	9.327E-02	20.0	0.441	3.390E+03	2.139E-05	
5.148E-05	7.40						
871	0.604	0.103	3.64	0.195	3.848E+03	1.712E-05	
7.214E-05	7.31						
872	0.592	0.130	31.4	2.054E-02	2.169E+03	4.552E-05	
4.015E-05	9.23						
873	0.551	7.467E-02	8.35	2.785E-02	5.003E+03	2.079E-05	
6.324E-05	1.31						
874	0.527	0.121	10.5	29.8	2.759E+03	2.253E-05	
2.752E-05	13.0						
875	0.563	8.350E-02	3.11	0.645	2.865E+03	2.207E-05	
4.333E-05	15.8						
876	0.625	9.538E-02	71.1	0.749	3.204E+03	1.452E-05	
5.107E-05	33.6						
877	0.619	0.108	8.05	1.23	3.636E+03	1.996E-05	
4.850E-05	4.19						
878	0.760	8.392E-02	2.22	6.550E-02	4.591E+03	2.275E-05	
5.473E-05	2.84						
879	0.485	0.107	2.60	1.975E-02	2.510E+03	1.777E-05	
5.068E-05	9.95						
880	0.485	8.820E-02	4.23	0.203	2.141E+03	2.451E-05	
5.609E-05	5.64						
881	0.476	0.136	22.0	0.818	3.426E+03	1.968E-05	
4.295E-05	8.08						
882	0.733	8.170E-02	14.3	1.31	3.107E+03	1.229E-05	
5.765E-05	7.13						
883	0.506	8.225E-02	10.6	0.105	3.462E+03	5.492E-05	
5.635E-05	23.5						
884	0.643	8.499E-02	89.6	0.887	3.791E+03	3.503E-05	
5.256E-05	40.2						
885	0.691	9.891E-02	5.50	0.306	2.236E+03	1.092E-05	
4.196E-05	1.91						
886	0.782	0.142	2.51	6.90	2.080E+03	1.430E-05	
3.695E-05	7.82						
887	0.732	0.107	26.2	1.13	4.491E+03	7.213E-05	

8.470E-05 23.8
   888   0.645   9.320E-02 8.14   5.770E-02 8.993E+03 1.823E-05
5.014E-05 2.66
   889   0.565   8.470E-02 7.35   0.186   3.176E+03 1.729E-05
2.507E-05 64.3
   890   0.458   0.105   18.5   0.558   2.594E+03 2.669E-05
4.770E-05 6.35
   891   0.504   9.749E-02 1.83   4.31   3.076E+03 1.946E-05
5.551E-05 1.77
   892   0.573   0.125   4.19   5.549E-02 3.174E+03 2.169E-05
5.296E-05 1.27
   893   0.465   8.942E-02 13.1   0.777   2.199E+03 4.908E-05
1.348E-04 35.0
   894   0.517   0.110   2.87   3.285E-02 2.672E+03 1.678E-05
4.692E-05 6.83
   895   0.562   9.033E-02 25.3   6.53   5.847E+03 8.626E-05
5.649E-05 36.7
   896   0.515   0.107   8.27   0.436   2.104E+03 2.220E-05
4.940E-05 6.14
   897   0.521   9.193E-02 36.1   0.878   3.230E+03 9.641E-05
5.254E-05 9.87
   898   0.569   8.238E-02 25.7   0.298   4.719E+03 1.032E-04
3.601E-05 22.7
   899   0.464   0.101   4.17   0.410   3.696E+03 1.389E-05
1.951E-04 8.76
   900   0.437   0.110   27.5   3.813E-02 3.473E+03 2.235E-05
5.118E-05 7.81
   901   0.618   7.901E-02 7.31   0.591   3.479E+03 2.095E-05
5.312E-05 3.58
   902   0.555   0.128   4.52   0.571   3.439E+03 4.534E-05
5.267E-05 1.93
   903   0.717   7.751E-02 12.8   9.50   1.758E+03 2.287E-05
3.794E-05 2.86
   904   0.763   0.100   16.3   2.42   4.136E+03 1.954E-05
4.576E-05 29.5
   905   0.650   8.923E-02 5.54   5.656E-02 2.467E+03 1.598E-05
3.000E-05 9.98
   906   0.725   8.998E-02 2.50   0.421   3.417E+03 2.047E-05
3.068E-05 1.34
   907   0.596   0.119   6.87   3.01   3.857E+03 6.067E-05
5.353E-05 11.0
   908   0.713   0.106   5.90   6.28   4.635E+03 2.047E-05
5.766E-05 25.9
   909   0.625   9.134E-02 4.77   5.884E-02 2.989E+03 2.130E-05
5.730E-05 19.8
   910   0.559   7.556E-02 22.9   0.207   2.211E+03 2.073E-05
4.656E-05 1.55
   911   0.527   0.109   26.9   9.562E-02 2.822E+03 2.221E-05
1.178E-04 1.10
   912   0.572   8.330E-02 7.84   1.15   2.338E+03 5.402E-05
5.748E-05 11.6
   913   0.534   9.795E-02 18.8   7.59   3.432E+03 1.082E-05
4.509E-05 27.4
   914   0.533   8.686E-02 11.8   0.256   2.970E+03 1.282E-05
5.265E-05 3.54
   915   0.726   0.120   0.388   0.153   2.483E+03 2.081E-05
6.190E-05 10.9
   916   0.631   0.124   8.19   0.575   2.326E+03 3.430E-05
5.199E-05 1.37
   917   0.415   9.155E-02 6.39   0.180   3.867E+03 1.504E-05

3.917E-05 2.20
   918   0.567   0.113   19.0   1.933E-02 3.123E+03 2.257E-05
5.532E-05 3.18
   919   0.591   9.563E-02 12.6   4.07   3.761E+03 5.058E-05
5.357E-05 3.50
   920   0.586   9.261E-02 4.80   1.665E-02 2.686E+03 2.036E-05
2.558E-05 10.4
   921   0.529   7.973E-02 19.4   0.240   2.384E+03 2.270E-05
4.080E-05 16.0
   922   0.710   0.124   17.1   2.35   3.244E+03 2.093E-05
2.988E-05 46.7
   923   0.497   9.914E-02 1.48   4.47   2.603E+03 8.291E-05
5.245E-05 10.9
   924   0.668   0.133   5.82   1.68   2.574E+03 1.343E-05
2.866E-05 15.0
   925   0.598   0.115   4.55   8.401E-03 4.049E+03 2.145E-05
8.951E-05 3.27
   926   0.497   9.165E-02 19.1   0.254   2.166E+03 2.310E-05
5.659E-05 74.3
   927   0.711   9.829E-02 1.79   5.61   3.521E+03 2.309E-05
5.327E-05 4.40
   928   0.633   0.104   12.3   1.97   4.244E+03 1.610E-05
5.741E-05 1.95
   929   0.464   9.811E-02 6.82   3.31   4.440E+03 1.576E-05
5.323E-05 38.6
   930   0.502   0.111   3.91   0.119   3.523E+03 2.036E-05
5.262E-05 5.37
   931   0.555   0.114   12.7   0.404   4.125E+03 1.439E-05
1.446E-04 4.23
   932   0.671   0.111   14.5   2.776E-02 3.007E+03 2.043E-05
4.782E-05 8.66
   933   0.574   0.103   5.98   2.11   3.304E+03 2.942E-05
5.237E-05 16.1
   934   0.514   8.037E-02 6.83   1.14   3.328E+03 2.165E-05
5.461E-05 5.34
   935   0.540   0.119   9.95   0.442   4.608E+03 2.277E-05
3.973E-05 20.3
   936   0.545   0.111   1.15   0.361   3.031E+03 9.742E-05
5.694E-05 18.2
   937   0.749   0.104   7.76   5.280E-02 5.839E+03 1.395E-05
1.220E-04 4.56
   938   0.676   0.122   38.3   6.519E-02 1.602E+03 2.278E-05
5.210E-05 34.4
   939   0.544   0.114   1.47   0.328   3.222E+03 1.049E-04
5.513E-05 10.2
   940   0.440   0.104   1.85   0.451   2.607E+03 1.400E-05
5.383E-05 4.55
   941   0.653   0.131   11.7   0.392   2.535E+03 1.255E-05
5.617E-05 3.78
   942   0.745   0.123   6.13   0.325   2.642E+03 2.306E-05
5.133E-05 19.1
   943   0.493   0.102   9.50   0.149   4.625E+03 1.476E-05
5.054E-05 3.40
   944   0.539   9.071E-02 4.57   0.373   2.046E+03 2.307E-05
3.146E-05 4.94
   945   0.668   0.105   10.4   0.588   3.355E+03 1.916E-05
5.739E-05 27.1
   946   0.559   8.903E-02 11.1   0.369   4.451E+03 2.090E-05
5.394E-05 43.7
   947   0.568   0.103   6.41   9.390E-02 3.099E+03 1.488E-05

3.423E-05 3.11
   948   0.493   8.764E-02 4.01   8.072E-02 6.100E+03 1.402E-05
4.220E-05 35.8
   949   0.481   0.119   14.7   1.50   3.276E+03 2.260E-05
7.132E-05 2.15
   950   0.601   9.895E-02 3.73   1.723E-02 3.767E+03 2.284E-05
3.283E-05 37.8
   951   0.565   8.993E-02 2.74   2.00   4.375E+03 2.086E-05
5.136E-05 3.86
   952   0.486   0.129   14.2   0.287   3.658E+03 1.335E-05
5.703E-05 3.79
   953   0.766   8.504E-02 8.58   1.74   2.355E+03 2.115E-05
4.240E-05 14.4
   954   0.421   0.119   2.85   1.54   4.906E+03 2.281E-05
5.344E-05 1.87
   955   0.560   9.408E-02 7.07   1.95   3.019E+03 1.472E-05
9.570E-05 56.9
   956   0.507   9.305E-02 15.0   2.727E-03 2.567E+03 2.039E-05
4.525E-04 1.95
   957   0.636   0.115   24.9   0.266   3.492E+03 1.636E-05
5.487E-05 14.9
   958   0.569   0.126   28.0   0.227   3.022E+03 6.414E-05
1.339E-04 3.48
   959   0.461   0.104   4.44   0.841   2.259E+03 2.912E-05
3.998E-05 3.83
   960   0.788   9.103E-02 7.78   0.339   2.396E+03 2.180E-05
4.810E-05 5.16
   961   0.648   9.944E-02 8.38   1.884E-02 1.850E+03 2.270E-05
3.061E-05 8.25
   962   0.469   0.112   68.2   4.054E-03 3.035E+03 2.252E-05
4.705E-05 84.5
   963   0.480   0.111   22.8   0.283   2.675E+03 1.008E-05
2.682E-05 4.62
   964   0.466   0.107   4.99   6.654E-02 3.315E+03 2.189E-05
3.241E-05 106.
   965   0.455   9.505E-02 16.5   0.471   2.287E+03 1.371E-05
4.487E-05 11.1
   966   0.572   0.115   2.93   0.114   5.045E+03 2.159E-05
5.109E-05 1.32
   967   0.701   0.119   0.886   0.281   2.782E+03 2.022E-05
3.847E-05 2.70
   968   0.631   9.593E-02 18.2   2.84   4.068E+03 2.066E-05
4.612E-05 6.06
   969   0.659   0.140   1.67   0.192   3.600E+03 1.555E-05
6.457E-05 5.61
   970   0.563   0.128   11.4   26.7   2.908E+03 2.289E-05
3.163E-05 5.68
   971   0.520   0.131   7.22   0.150   4.651E+03 1.239E-05
2.757E-05 57.7
   972   0.727   8.842E-02 15.2   0.680   3.221E+03 2.112E-05
8.162E-05 18.5
   973   0.570   9.804E-02 0.825   5.399E-02 2.701E+03 2.213E-05
5.415E-05 1.09
   974   0.685   8.796E-02 32.7   4.372E-02 3.675E+03 2.054E-05
9.190E-05 3.39
   975   0.646   0.127   25.1   4.500E-02 2.441E+03 2.293E-05
2.941E-05 1.07
   976   0.742   8.861E-02 8.49   0.157   5.406E+03 9.786E-05
5.171E-05 1.70
   977   0.546   0.132   1.53   6.474E-02 2.401E+03 2.006E-05

2.600E-04 17.2
   978   0.688   8.827E-02 2.66   1.19   2.640E+03 1.289E-04
1.169E-04 3.36
   979   0.593   0.107   1.30   2.26   3.842E+03 2.290E-05
5.452E-05 12.9
   980   0.512   9.541E-02 5.21   1.150E-02 3.014E+03 2.267E-05
5.078E-05 8.47
   981   0.547   0.104   4.56   0.803   2.624E+03 1.651E-04
8.927E-05 9.48
   982   0.578   0.127   3.25   0.649   5.726E+03 2.266E-05
5.634E-05 7.59
   983   0.550   0.101   12.9   5.01   3.044E+03 2.278E-05
5.671E-05 6.80
   984   0.764   9.706E-02 1.66   0.580   2.834E+03 1.237E-05
1.272E-04 12.2
   985   0.640   9.695E-02 9.11   0.762   2.229E+03 3.042E-05
5.422E-05 2.72
   986   0.473   0.113   3.43   0.144   3.263E+03 2.105E-05
5.671E-05 1.58
   987   0.660   0.107   5.13   0.320   3.561E+03 2.239E-05
8.822E-05 1.13
   988   0.586   8.892E-02 2.13   0.491   3.298E+03 1.049E-05
1.205E-04 4.34
   989   0.488   7.912E-02 9.65   9.763E-03 3.962E+03 1.213E-05
5.548E-05 7.17
   990   0.679   0.128   15.9   0.714   2.225E+03 1.894E-05
2.797E-05 50.8
   991   0.588   7.961E-02 29.3   5.920E-02 3.307E+03 1.397E-05
5.090E-05 4.01
   992   0.535   0.137   1.37   1.40   3.083E+03 5.673E-05
2.572E-05 7.16
   993   0.583   9.937E-02 12.2   1.80   2.585E+03 2.062E-05
3.884E-05 5.03
   994   0.698   9.880E-02 5.79   6.783E-02 4.082E+03 1.977E-05
2.488E-04 29.8
   995   0.593   9.834E-02 1.78   1.91   3.460E+03 1.095E-05
2.880E-05 6.26
   996   0.553   9.904E-02 9.54   3.72   7.157E+03 2.161E-05
3.612E-05 4.00
   997   0.541   0.108   5.17   0.121   3.930E+03 2.271E-05
5.270E-05 26.7
   998   0.687   0.105   2.29   1.04   3.450E+03 5.791E-05
2.673E-05 31.7
   999   0.642   0.102   59.0   0.361   3.054E+03 1.118E-05
1.740E-04 10.4
  1000   0.631   9.418E-02 17.7   0.282   1.728E+03 2.106E-05
5.378E-05 3.07
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 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil   File:
RSCSSP_Probability.RAD

 RANKS OF LATIN HYPERCUBE SAMPLE INPUT VECTORS

 RUN NO.   X(1)   X(2)   X(3)   X(4)   X(5)   X(6)

	X(7)	X(8)						
1	983.	702.	100.	282.	846.	675.	758.	580.
2	414.	470.	761.	786.	442.	976.	636.	616.
3	591.	750.	677.	906.	878.	234.	478.	10.
4	247.	215.	687.	327.	740.	606.	91.	178.
5	457.	271.	9.	805.	907.	491.	253.	404.
6	225.	75.	629.	503.	70.	302.	672.	228.
7	893.	548.	794.	494.	156.	60.	282.	619.
8	404.	710.	112.	358.	277.	633.	344.	777.
9	151.	498.	755.	950.	290.	714.	347.	878.
10	187.	748.	80.	951.	682.	590.	803.	330.
11	918.	478.	593.	878.	390.	812.	359.	273.
12	919.	290.	428.	116.	244.	393.	905.	994.
13	401.	399.	218.	488.	744.	836.	317.	419.
14	542.	791.	291.	724.	55.	945.	760.	834.
15	920.	404.	50.	40.	750.	520.	537.	399.
16	622.	561.	903.	84.	864.	255.	955.	676.
17	950.	392.	670.	53.	646.	281.	343.	730.
18	855.	303.	956.	544.	47.	83.	245.	650.
19	654.	477.	567.	936.	888.	120.	730.	507.
20	623.	40.	654.	617.	192.	458.	757.	167.
21	663.	547.	701.	346.	71.	101.	844.	401.
22	470.	298.	821.	607.	93.	646.	716.	450.
23	333.	414.	557.	673.	235.	936.	967.	329.
24	270.	520.	170.	248.	173.	82.	340.	719.
25	656.	818.	204.	473.	657.	316.	648.	577.
26	37.	506.	335.	290.	129.	153.	405.	306.
27	88.	964.	43.	921.	989.	624.	670.	535.
28	381.	752.	912.	157.	674.	29.	336.	318.
29	886.	567.	558.	982.	942.	81.		

855. 377.
    30 890. 795. 918. 440. 886. 896.
541. 240.
    31 464. 721. 441. 634. 774. 615.
734.   74.
    32 155. 466. 722. 914. 327. 994.
570. 709.
    33 194. 183. 693. 727. 218.   46.
589. 109.
    34 635. 975. 343. 703. 473. 173.
647. 158.
    35 177. 931. 103. 361. 705. 808.
548. 547.
    36 757. 925. 896. 721. 914. 287.
998. 819.
    37 664. 159. 748. 988. 810.   45.
982. 348.
    38 708. 229. 642. 910. 517. 542.
535.   5.
    39 232. 245. 703.   93.   46. 846.
973. 800.
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297. 204.
    41 971. 141. 708. 627. 482. 128.
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686.   53.
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583. 264.
    48 710. 779. 940. 993. 709. 310.
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    57 679. 208. 152. 310. 383.   66.
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60 630. 775. 605. 273. 543. 821.
378. 939.
61 349. 122. 507. 941. 148. 424.
587. 623.
62 87. 817. 566. 927. 824. 681.
283. 781.
63 619. 95. 267. 389. 199. 552.
150. 885.
64 973. 918. 42. 560. 686. 443.
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65 355. 971. 280. 885. 868. 107.
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66 963. 336. 239. 140. 276. 913.
797. 345.
67 756. 321. 194. 884. 699. 983.
516. 424.
68 949. 834. 67. 364. 386. 75.
290. 154.
69 482. 789. 273. 75. 583. 142.
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71 839. 434. 578. 989. 623. 905.
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72 943. 421. 191. 827. 438. 870.
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73 912. 527. 947. 319. 307. 957.
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74 301. 991. 762. 611. 830. 881.
352. 265.
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76 533. 189. 76. 802. 901. 366.
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78 53. 131. 866. 623. 382. 280.
767. 314.
79 312. 661. 845. 586. 128. 557.
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82 145. 879. 640. 710. 559. 921.
576. 935.
83 992. 967. 109. 279. 729. 37.
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85 954. 310. 420. 550. 169. 901.
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86 294. 705. 278. 618. 22. 127.
530. 235.
87 746. 242. 496. 64. 17. 209.
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88 234. 833. 364. 239. 922. 320.
383. 375.
89 809. 167. 582. 515. 601. 528.

241.	132.						
90	419.	319.	18.	401.	43.	387.	
526.	128.						
91	946.	446.	828.	576.	41.	312.	
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92	238.	71.	85.	991.	756.	202.	
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93	965.	988.	363.	728.	110.	264.	
953.	988.						
94	550.	857.	96.	195.	177.	344.	
79.	739.						
95	77.	681.	296.	295.	576.	201.	
566.	335.						
96	766.	205.	24.	449.	684.	299.	
667.	862.						
97	560.	585.	480.	664.	353.	405.	
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98	603.	147.	431.	799.	560.	602.	
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99	856.	934.	338.	163.	309.	643.	
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71.	618.						
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118.	700.						
105	372.	864.	425.	199.	892.	872.	
578.	970.						
106	111.	465.	643.	808.	748.	490.	
819.	998.						
107	42.	201.	728.	145.	13.	958.	
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108	188.	783.	917.	741.	549.	69.	
234.	683.						
109	227.	960.	168.	677.	217.	468.	
428.	894.						
110	23.	140.	246.	169.	546.	414.	
523.	522.						
111	168.	888.	392.	803.	913.	165.	
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68.	454.						
113	308.	346.	777.	750.	503.	368.	
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311.							
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536.							
933	472.	519.	413.	855.	531.	818.	455.
716.							
934	202.	41.	463.	761.	540.	563.	595.
382.							
935	313.	820.	606.	569.	879.	737.	196.
773.							
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937	961.	536.	512.	152.	974.	131.	910.
334.							
938	824.	865.	941.	182.	11.	738.	438.
874.							
939	335.	738.	59.	502.	498.	987.	628.
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333.							
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278.							
942	956.	875.	421.	500.	256.	782.	390.
758.							
943	130.	480.	588.	329.	881.	158.	341.
248.							
944	310.	203.	316.	531.	68.	783.	86.
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945	803.	562.	621.	631.	550.	304.	769.
833.							
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223.							
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881.							
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131.							
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889.							
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685.							
954	4.	816.	176.	811.	915.	744.	522.
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937.							
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696.							
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51.   433.
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543.   220.
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 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil   File:
RSCSSP_Probability.RAD
 CORRELATIONS AMONG INPUT VARIABLES CREATED BY THE LATIN HYPERCUBE
SAMPLE FOR RAW DATA

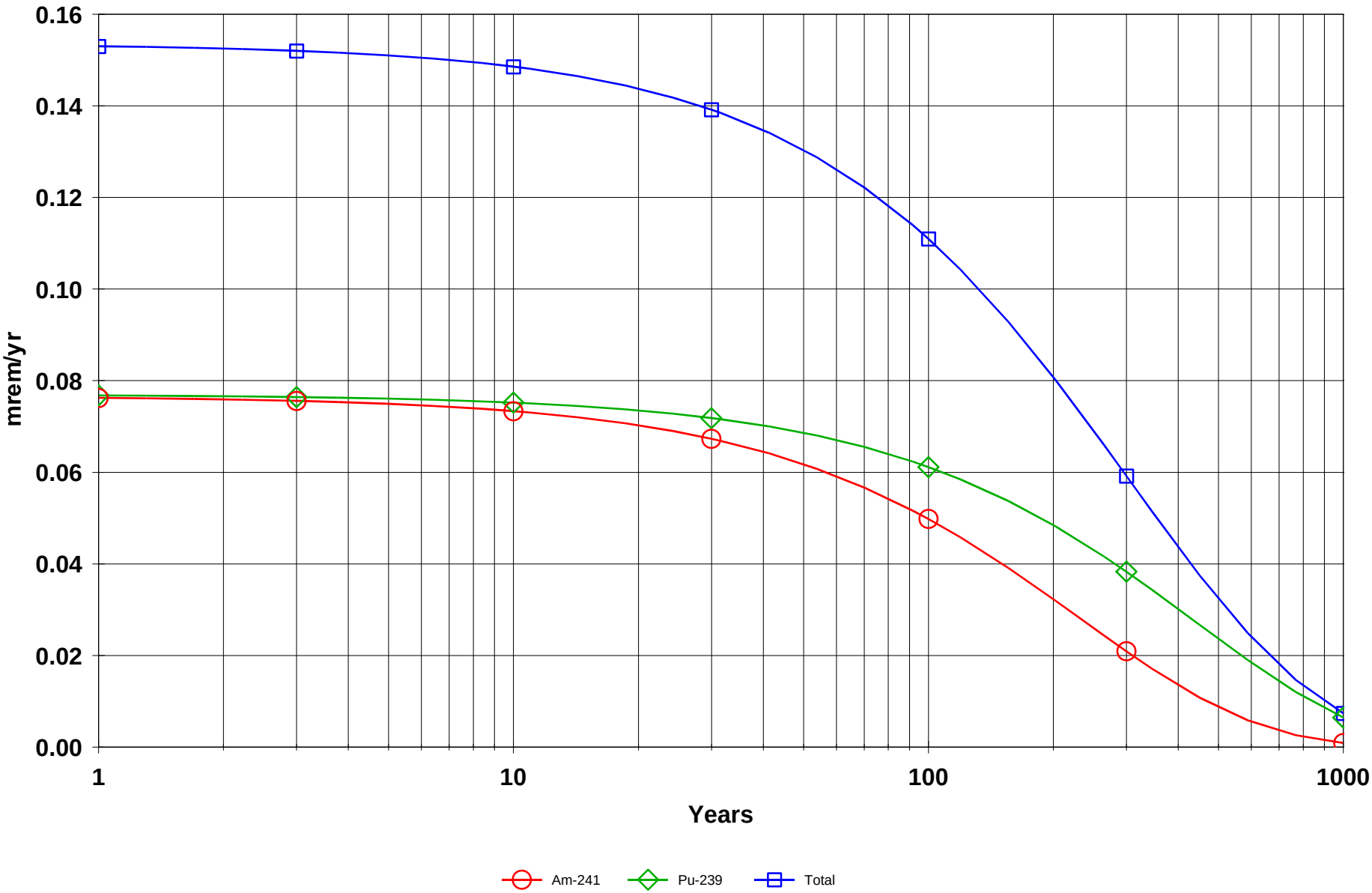
---
     1 1.0000
     2 -0.0063 1.0000
     3 -0.0037 -0.0070 1.0000
     4 -0.0176 -0.0287 -0.0080 1.0000
     5 0.0019 -0.0005 0.0418 0.0063 1.0000
     6 -0.0009 -0.0283 -0.0063 0.0046 -0.0171 1.0000
     7 -0.0150 0.0025 0.0093 -0.0290 -0.0380 -0.0126 1.0000
     8 -0.0011 0.0038 0.0054 -0.0136 -0.0062 -0.0198 -0.0182 1.0000
            1   2   3   4   5   6   7   8

 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil   File:
RSCSSP_Probability.RAD
 CORRELATIONS AMONG INPUT VARIABLES CREATED BY THE LATIN HYPERCUBE
SAMPLE FOR RANK DATA

---
     1 1.0000
     2 -0.0208 1.0000
     3 -0.0022 -0.0010 1.0000
     4 0.0068 0.0057 0.0017 1.0000

5	-0.0080	0.0190	-0.0016	-0.0141	1.0000			
6	0.0039	0.0020	0.0071	-0.0061	-0.0008	1.0000		
7	0.0075	-0.0014	-0.0001	0.0142	0.0181	-0.0014	1.0000	
8	-0.0024	-0.0025	-0.0068	0.0003	0.0002	0.0133	-0.0001	1.0000
	1	2	3	4	5	6	7	8

DOSE: All Nuclides Summed, All Pathways Summed



RSCSSP_Probability.RAD 03/02/2006 13:04 GRAPHICS.ASC Includes All Pathways

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Part I: Mixture Sums and Single Radionuclide Guidelines

1RESRAD, Version 6.3 T« Limit = 180 days 03/02/2006 13:04

Dose Conversion Factor (and Related) Parameter Summary

File: ICRP72-CHILD

0 Current Menu Value	Base Case*	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:	
B-1	Ac-227+D	
6.724E+00	6.700E+00	DCF2(1)
B-1	Am-241	
2.600E-01	4.440E-01	DCF2(2)
B-1	Np-237+D	
5.400E-01	5.400E-01	DCF2(3)
B-1	Pa-231	
1.280E+00	1.280E+00	DCF2(4)
B-1	Pu-239	
2.900E-01	4.290E-01	DCF2(5)
B-1	Th-229+D	
2.169E+00	2.150E+00	DCF2(6)
B-1	U-233	
1.350E-01	1.350E-01	DCF2(7)

```
 B-1  ³ U-235+D                                                          ³
3.550E-02 ³ 1.230E-01 ³ DCF2(  8)
      ³                                                                  ³
³           ³
 D-1  ³ Dose conversion factors for ingestion, mrem/pCi:                 ³
³           ³
 D-1  ³ Ac-227+D                                                         ³
1.480E-02 ³ 1.410E-02 ³ DCF3(  1)
 D-1  ³ Am-241                                                           ³
1.400E-03 ³ 3.640E-03 ³ DCF3(  2)
 D-1  ³ Np-237+D                                                         ³
4.444E-03 ³ 4.440E-03 ³ DCF3(  3)
 D-1  ³ Pa-231                                                           ³
1.060E-02 ³ 1.060E-02 ³ DCF3(  4)
 D-1  ³ Pu-239                                                           ³
1.600E-03 ³ 3.540E-03 ³ DCF3(  5)
 D-1  ³ Th-229+D                                                         ³
4.027E-03 ³ 3.530E-03 ³ DCF3(  6)
 D-1  ³ U-233                                                            ³
2.890E-04 ³ 2.890E-04 ³ DCF3(  7)
 D-1  ³ U-235+D                                                          ³
4.763E-04 ³ 2.660E-04 ³ DCF3(  8)
      ³                                                                  ³
³           ³
 D-34 ³ Food transfer factors:                                           ³
³           ³
 D-34 ³ Ac-227+D  , plant/soil concentration ratio, dimensionless        ³
2.500E-03 ³ 2.500E-03 ³ RTF(  1,1)
 D-34 ³ Ac-227+D  , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)        ³
2.000E-05 ³ 2.000E-05 ³ RTF(  1,2)
 D-34 ³ Ac-227+D  , milk/livestock-intake ratio, (pCi/L)/(pCi/d)         ³
2.000E-05 ³ 2.000E-05 ³ RTF(  1,3)
 D-34 ³                                                                  ³
³           ³
 D-34 ³ Am-241    , plant/soil concentration ratio, dimensionless        ³
1.200E-03 ³ 1.000E-03 ³ RTF(  2,1)
 D-34 ³ Am-241    , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)        ³
5.000E-05 ³ 5.000E-05 ³ RTF(  2,2)
 D-34 ³ Am-241    , milk/livestock-intake ratio, (pCi/L)/(pCi/d)         ³
2.000E-06 ³ 2.000E-06 ³ RTF(  2,3)
 D-34 ³                                                                  ³
³           ³
 D-34 ³ Np-237+D  , plant/soil concentration ratio, dimensionless        ³
2.000E-02 ³ 2.000E-02 ³ RTF(  3,1)
 D-34 ³ Np-237+D  , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)        ³
1.000E-03 ³ 1.000E-03 ³ RTF(  3,2)
 D-34 ³ Np-237+D  , milk/livestock-intake ratio, (pCi/L)/(pCi/d)         ³
5.000E-06 ³ 5.000E-06 ³ RTF(  3,3)
 D-34 ³                                                                  ³
³           ³
 D-34 ³ Pa-231    , plant/soil concentration ratio, dimensionless        ³
1.000E-02 ³ 1.000E-02 ³ RTF(  4,1)
 D-34 ³ Pa-231    , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)        ³
5.000E-03 ³ 5.000E-03 ³ RTF(  4,2)
 D-34 ³ Pa-231    , milk/livestock-intake ratio, (pCi/L)/(pCi/d)         ³
5.000E-06 ³ 5.000E-06 ³ RTF(  4,3)
 D-34 ³                                                                  ³
³           ³
 D-34 ³ Pu-239    , plant/soil concentration ratio, dimensionless        ³
5.800E-05 ³ 1.000E-03 ³ RTF(  5,1)
```

Dose Conversion Factor (and Related) Parameter Summary (continued)
File: ICRP72-CHILD

Menu	Parameter	Current Value	Base Case*	Parameter Name
D-34	Pu-239, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(5,2)
D-34	Pu-239, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-06	1.000E-06	RTF(5,3)
D-34				
D-34	Th-229+D, plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(6,1)
D-34	Th-229+D, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(6,2)
D-34	Th-229+D, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(6,3)
D-34				
D-34	U-233, plant/soil concentration ratio, dimensionless	6.000E-03	2.500E-03	RTF(7,1)
D-34	U-233, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(7,2)
D-34	U-233, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(7,3)
D-34				
D-34	U-235+D, plant/soil concentration ratio, dimensionless	6.000E-03	2.500E-03	RTF(8,1)
D-34	U-235+D, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(8,2)
D-34	U-235+D, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(8,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Ac-227+D, fish	1.500E+01	1.500E+01	BIOFAC(1,1)
D-5	Ac-227+D, crustacea and mollusks	1.000E+03	1.000E+03	BIOFAC(1,2)
D-5				
D-5	Am-241, fish	3.000E+01	3.000E+01	BIOFAC(2,1)
D-5	Am-241, crustacea and mollusks	1.000E+03	1.000E+03	BIOFAC(2,2)
D-5				

```
 D-5  ³ Np-237+D  , fish                                         ³
3.000E+01 ³ 3.000E+01 ³ BIOFAC(  3,1)
 D-5  ³ Np-237+D  , crustacea and mollusks                       ³
4.000E+02 ³ 4.000E+02 ³ BIOFAC(  3,2)
 D-5  ³                                                          ³
³           ³
 D-5  ³ Pa-231    , fish                                         ³
1.000E+01 ³ 1.000E+01 ³ BIOFAC(  4,1)
 D-5  ³ Pa-231    , crustacea and mollusks                       ³
1.100E+02 ³ 1.100E+02 ³ BIOFAC(  4,2)
 D-5  ³                                                          ³
³           ³
 D-5  ³ Pu-239    , fish                                         ³
3.000E+01 ³ 3.000E+01 ³ BIOFAC(  5,1)
 D-5  ³ Pu-239    , crustacea and mollusks                       ³
1.000E+02 ³ 1.000E+02 ³ BIOFAC(  5,2)
 D-5  ³                                                          ³
³           ³
 D-5  ³ Th-229+D  , fish                                         ³
1.000E+02 ³ 1.000E+02 ³ BIOFAC(  6,1)
 D-5  ³ Th-229+D  , crustacea and mollusks                       ³
5.000E+02 ³ 5.000E+02 ³ BIOFAC(  6,2)
 D-5  ³                                                          ³
³           ³
 D-5  ³ U-233     , fish                                         ³
1.000E+01 ³ 1.000E+01 ³ BIOFAC(  7,1)
 D-5  ³ U-233     , crustacea and mollusks                       ³
6.000E+01 ³ 6.000E+01 ³ BIOFAC(  7,2)
 D-5  ³                                                          ³
³           ³
 D-5  ³ U-235+D   , fish                                         ³
1.000E+01 ³ 1.000E+01 ³ BIOFAC(  8,1)
 D-5  ³ U-235+D   , crustacea and mollusks                       ³
6.000E+01 ³ 6.000E+01 ³ BIOFAC(  8,2)

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 *Base Case means Default.Lib w/o Associate Nuclide contributions.
1RESRAD, Version 6.3      T« Limit = 180 days        03/02/2006  13:04
Page   4
 Summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits
West Excavation Soil
 File    : RSCSSP_Probability.RAD

                                                Site-Specific Parameter
Summary
0     ³                                                 ³   User    ³
³         Used by RESRAD         ³  Parameter
 Menu ³                     Parameter                   ³   Input   ³
Default  ³ (If different from user input) ³    Name

ÄÄÄÄÄÅÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÅÄÄÄÄÄÄÄÄÄÄÄÄÅÄÄÄÄ
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 R011 ³ Area of contaminated zone (m**2)                ³ 2.000E+04 ³
1.000E+04 ³               ---               ³ AREA
 R011 ³ Thickness of contaminated zone (m)              ³ 1.500E-01 ³
2.000E+00 ³               ---               ³ THICK0
 R011 ³ Length parallel to aquifer flow (m)             ³ 2.000E+02 ³
1.000E+02 ³               ---               ³ LCZPAQ
 R011 ³ Basic radiation dose limit (mrem/yr)            ³ 2.500E+01 ³
```

3.000E+01 ³ --- ³ BRDL
R011 ³ Time since placement of material (yr) ³ 0.000E+00 ³
0.000E+00 ³ --- ³ TI
R011 ³ Times for calculations (yr) ³ 1.000E+00 ³
1.000E+00 ³ --- ³ T(2)
R011 ³ Times for calculations (yr) ³ 3.000E+00 ³
3.000E+00 ³ --- ³ T(3)
R011 ³ Times for calculations (yr) ³ 1.000E+01 ³
1.000E+01 ³ --- ³ T(4)
R011 ³ Times for calculations (yr) ³ 3.000E+01 ³
3.000E+01 ³ --- ³ T(5)
R011 ³ Times for calculations (yr) ³ 1.000E+02 ³
1.000E+02 ³ --- ³ T(6)
R011 ³ Times for calculations (yr) ³ 3.000E+02 ³
3.000E+02 ³ --- ³ T(7)
R011 ³ Times for calculations (yr) ³ 1.000E+03 ³
1.000E+03 ³ --- ³ T(8)
R011 ³ Times for calculations (yr) ³ not used ³
0.000E+00 ³ --- ³ T(9)
R011 ³ Times for calculations (yr) ³ not used ³
0.000E+00 ³ --- ³ T(10)
³ ³ ³
³ ³
R012 ³ Initial principal radionuclide (pCi/g): Am-241 ³ 3.900E-01 ³
0.000E+00 ³ --- ³ S1(2)
R012 ³ Initial principal radionuclide (pCi/g): Pu-239 ³ 6.500E-01 ³
0.000E+00 ³ --- ³ S1(5)
R012 ³ Concentration in groundwater (pCi/L): Am-241 ³ not used ³
0.000E+00 ³ --- ³ W1(2)
R012 ³ Concentration in groundwater (pCi/L): Pu-239 ³ not used ³
0.000E+00 ³ --- ³ W1(5)
³ ³ ³
³ ³
R013 ³ Cover depth (m) ³ 0.000E+00 ³
0.000E+00 ³ --- ³ COVER0
R013 ³ Density of cover material (g/cm**3) ³ not used ³
1.500E+00 ³ --- ³ DENSCV
R013 ³ Cover depth erosion rate (m/yr) ³ not used ³
1.000E-03 ³ --- ³ VCV
R013 ³ Density of contaminated zone (g/cm**3) ³ 1.700E+00 ³
1.500E+00 ³ --- ³ DENSCZ
R013 ³ Contaminated zone erosion rate (m/yr) ³ 7.490E-05 ³
1.000E-03 ³ --- ³ VCZ
R013 ³ Contaminated zone total porosity ³ 3.000E-01 ³
4.000E-01 ³ --- ³ TPCZ
R013 ³ Contaminated zone field capacity ³ 1.000E-01 ³
2.000E-01 ³ --- ³ FCCZ
R013 ³ Contaminated zone hydraulic conductivity (m/yr) ³ 4.450E+01 ³
1.000E+01 ³ --- ³ HCCZ
R013 ³ Contaminated zone b parameter ³ 1.040E+01 ³
5.300E+00 ³ --- ³ BCZ
R013 ³ Average annual wind speed (m/sec) ³ 4.200E+00 ³
2.000E+00 ³ --- ³ WIND
R013 ³ Humidity in air (g/m**3) ³ not used ³
8.000E+00 ³ --- ³ HUMID
R013 ³ Evapotranspiration coefficient ³ 2.530E-01 ³
5.000E-01 ³ --- ³ EVAPTR
R013 ³ Precipitation (m/yr) ³ 3.810E-01 ³
1.000E+00 ³ --- ³ PRECIP
R013 ³ Irrigation (m/yr) ³ 1.000E+00 ³

2.000E-01 ³ --- ³ RI
R013 ³ Irrigation mode ³ overhead ³
overhead ³ --- ³ IDITCH
R013 ³ Runoff coefficient ³ 4.000E-03 ³
2.000E-01 ³ --- ³ RUNOFF
R013 ³ Watershed area for nearby stream or pond (m**2) ³ 8.280E+06 ³
1.000E+06 ³ --- ³ WAREA
R013 ³ Accuracy for water/soil computations ³ 1.000E-03 ³
1.000E-03 ³ --- ³ EPS
³ ³ ³
³ ³
R014 ³ Density of saturated zone (g/cm**3) ³ 1.700E+00 ³
1.500E+00 ³ --- ³ DENSAQ
R014 ³ Saturated zone total porosity ³ 3.000E-01 ³
4.000E-01 ³ --- ³ TPSZ
R014 ³ Saturated zone effective porosity ³ 1.000E-01 ³
2.000E-01 ³ --- ³ EPSZ
R014 ³ Saturated zone field capacity ³ 1.000E-01 ³
2.000E-01 ³ --- ³ FCSZ
R014 ³ Saturated zone hydraulic conductivity (m/yr) ³ 4.450E+01 ³
1.000E+02 ³ --- ³ HCSZ
R014 ³ Saturated zone hydraulic gradient ³ 1.500E-01 ³
2.000E-02 ³ --- ³ HGWT
R014 ³ Saturated zone b parameter ³ not used ³
5.300E+00 ³ --- ³ BSZ
R014 ³ Water table drop rate (m/yr) ³ 0.000E+00 ³
1.000E-03 ³ --- ³ VWT
R014 ³ Well pump intake depth (m below water table) ³ 1.000E+01 ³
1.000E+01 ³ --- ³ DWIBWT
R014 ³ Model: Nondispersion (ND) or Mass-Balance (MB) ³ ND ³
ND ³ --- ³ MODEL
R014 ³ Well pumping rate (m**3/yr) ³ 2.500E+02 ³
2.500E+02 ³ --- ³ UW

Summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soil
File : RSCSSP_Probability.RAD

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Used by RESRAD (If different from user input)	Parameter Name
R015	Number of unsaturated zone strata	1	1	NS
R015	Unsat. zone 1, thickness (m)	3.000E+00	4.000E+00	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	1.700E+00	1.500E+00	DENSUZ(1)
R015	Unsat. zone 1, total porosity	3.000E-01	4.000E-01	TPUZ(1)
R015	Unsat. zone 1, effective porosity	1.000E-01	2.000E-01	EPUZ(1)
R015	Unsat. zone 1, field capacity	1.000E-01	2.000E-01	FCUZ(1)

```
 R015 ³ Unsat. zone 1, soil-specific b parameter          ³ 1.040E+01 ³
5.300E+00 ³               ---                ³ BUZ(1)
 R015 ³ Unsat. zone 1, hydraulic conductivity (m/yr)      ³ 4.450E+01 ³
1.000E+01 ³               ---                ³ HCUZ(1)
      ³                                                    ³           ³
³                               ³
 R016 ³ Distribution coefficients for Am-241              ³           ³
³                               ³
 R016 ³   Contaminated zone (cm**3/g)                     ³ 1.800E+03 ³
2.000E+01 ³               ---                ³ DCNUCC( 2)
 R016 ³   Unsaturated zone 1 (cm**3/g)                   ³ 1.800E+03 ³
2.000E+01 ³               ---                ³ DCNUCU( 2,1)
 R016 ³   Saturated zone (cm**3/g)                       ³ 1.800E+03 ³
2.000E+01 ³               ---                ³ DCNUCS( 2)
 R016 ³   Leach rate (/yr)                               ³ 0.000E+00 ³
0.000E+00 ³            2.245E-03             ³ ALEACH( 2)
 R016 ³   Solubility constant                            ³ 0.000E+00 ³
0.000E+00 ³             not used             ³ SOLUBK( 2)
      ³                                                    ³           ³
³                               ³
 R016 ³ Distribution coefficients for Pu-239              ³           ³
³                               ³
 R016 ³   Contaminated zone (cm**3/g)                     ³ 2.300E+03 ³
2.000E+03 ³               ---                ³ DCNUCC( 5)
 R016 ³   Unsaturated zone 1 (cm**3/g)                   ³ 2.300E+03 ³
2.000E+03 ³               ---                ³ DCNUCU( 5,1)
 R016 ³   Saturated zone (cm**3/g)                       ³ 2.300E+03 ³
2.000E+03 ³               ---                ³ DCNUCS( 5)
 R016 ³   Leach rate (/yr)                               ³ 0.000E+00 ³
0.000E+00 ³            1.757E-03             ³ ALEACH( 5)
 R016 ³   Solubility constant                            ³ 0.000E+00 ³
0.000E+00 ³             not used             ³ SOLUBK( 5)
      ³                                                    ³           ³
³                               ³
 R016 ³ Distribution coefficients for daughter Ac-227     ³           ³
³                               ³
 R016 ³   Contaminated zone (cm**3/g)                     ³ 2.000E+01 ³
2.000E+01 ³               ---                ³ DCNUCC( 1)
 R016 ³   Unsaturated zone 1 (cm**3/g)                   ³ 2.000E+01 ³
2.000E+01 ³               ---                ³ DCNUCU( 1,1)
 R016 ³   Saturated zone (cm**3/g)                       ³ 2.000E+01 ³
2.000E+01 ³               ---                ³ DCNUCS( 1)
 R016 ³   Leach rate (/yr)                               ³ 0.000E+00 ³
0.000E+00 ³            2.005E-01             ³ ALEACH( 1)
 R016 ³   Solubility constant                            ³ 0.000E+00 ³
0.000E+00 ³             not used             ³ SOLUBK( 1)
      ³                                                    ³           ³
³                               ³
 R016 ³ Distribution coefficients for daughter Np-237     ³           ³
³                               ³
 R016 ³   Contaminated zone (cm**3/g)                     ³-1.000E+00 ³-
1.000E+00 ³            2.574E+02             ³ DCNUCC( 3)
 R016 ³   Unsaturated zone 1 (cm**3/g)                   ³-1.000E+00 ³-
1.000E+00 ³            2.574E+02             ³ DCNUCU( 3,1)
 R016 ³   Saturated zone (cm**3/g)                       ³-1.000E+00 ³-
1.000E+00 ³            2.574E+02             ³ DCNUCS( 3)
 R016 ³   Leach rate (/yr)                               ³ 0.000E+00 ³
0.000E+00 ³            1.569E-02             ³ ALEACH( 3)
 R016 ³   Solubility constant                            ³ 0.000E+00 ³
0.000E+00 ³             not used             ³ SOLUBK( 3)
```

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Used by RESRAD (If different from user input)	Parameter Name	Default
R016	Distribution coefficients for daughter Pa-231				
R016	Contaminated zone (cm**3/g)	5.000E+01	---	DCNUCC(4)	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	---	DCNUCU(4,1)	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	---	DCNUCS(4)	5.000E+01
R016	Leach rate (/yr)	0.000E+00	8.058E-02	ALEACH(4)	0.000E+00
R016	Solubility constant	0.000E+00	not used	SOLUBK(4)	0.000E+00
R016	Distribution coefficients for daughter Th-229				
R016	Contaminated zone (cm**3/g)	6.000E+04	---	DCNUCC(6)	6.000E+04
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	---	DCNUCU(6,1)	6.000E+04
R016	Saturated zone (cm**3/g)	6.000E+04	---	DCNUCS(6)	6.000E+04
R016	Leach rate (/yr)	0.000E+00	6.735E-05	ALEACH(6)	0.000E+00
R016	Solubility constant	0.000E+00	not used	SOLUBK(6)	0.000E+00
R016	Distribution coefficients for daughter U-233				
R016	Contaminated zone (cm**3/g)	5.000E+01	---	DCNUCC(7)	1.700E+02
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	---	DCNUCU(7,1)	1.700E+02
R016	Saturated zone (cm**3/g)	5.000E+01	---	DCNUCS(7)	1.700E+02
R016	Leach rate (/yr)	0.000E+00	2.375E-02	ALEACH(7)	0.000E+00
R016	Solubility constant	0.000E+00	not used	SOLUBK(7)	0.000E+00
R016	Distribution coefficients for daughter U-235				
R016	Contaminated zone (cm**3/g)	5.000E+01	---	DCNUCC(8)	1.700E+02

```
5.000E+01 ³              ---                ³ DCNUCC( 8)
 R016 ³   Unsaturated zone 1 (cm**3/g)                    ³ 1.700E+02 ³
5.000E+01 ³              ---                ³ DCNUCU( 8,1)
 R016 ³   Saturated zone (cm**3/g)                        ³ 1.700E+02 ³
5.000E+01 ³              ---                ³ DCNUCS( 8)
 R016 ³   Leach rate (/yr)                                ³ 0.000E+00 ³
0.000E+00 ³           2.375E-02             ³ ALEACH( 8)
 R016 ³   Solubility constant                             ³ 0.000E+00 ³
0.000E+00 ³           not used              ³ SOLUBK( 8)
      ³                                                   ³           ³
³                                ³
 R017 ³ Inhalation rate (m**3/yr)                         ³ 5.256E+03 ³
8.400E+03 ³              ---                ³ INHALR
 R017 ³ Mass loading for inhalation (g/m**3)             ³ 6.700E-05 ³
1.000E-04 ³              ---                ³ MLINH
 R017 ³ Exposure duration                                ³ 3.000E+01 ³
3.000E+01 ³              ---                ³ ED
 R017 ³ Shielding factor, inhalation                     ³ 7.000E-01 ³
4.000E-01 ³              ---                ³ SHF3
 R017 ³ Shielding factor, external gamma                 ³ 4.000E-01 ³
7.000E-01 ³              ---                ³ SHF1
 R017 ³ Fraction of time spent indoors                   ³ 8.200E-01 ³
5.000E-01 ³              ---                ³ FIND
 R017 ³ Fraction of time spent outdoors (on site)        ³ 1.400E-01 ³
2.500E-01 ³              ---                ³ FOTD
 R017 ³ Shape factor flag, external gamma                ³ 1.000E+00 ³
1.000E+00 ³    >0 shows circular AREA.      ³ FS
 R017 ³ Radii of shape factor array (used if FS = -1):   ³           ³
³                                ³
 R017 ³   Outer annular radius (m), ring  1:             ³ not used  ³
5.000E+01 ³              ---                ³ RAD_SHAPE( 1)
 R017 ³   Outer annular radius (m), ring  2:             ³ not used  ³
7.071E+01 ³              ---                ³ RAD_SHAPE( 2)
 R017 ³   Outer annular radius (m), ring  3:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE( 3)
 R017 ³   Outer annular radius (m), ring  4:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE( 4)
 R017 ³   Outer annular radius (m), ring  5:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE( 5)
 R017 ³   Outer annular radius (m), ring  6:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE( 6)
 R017 ³   Outer annular radius (m), ring  7:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE( 7)
 R017 ³   Outer annular radius (m), ring  8:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE( 8)
 R017 ³   Outer annular radius (m), ring  9:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE( 9)
 R017 ³   Outer annular radius (m), ring 10:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE(10)
 R017 ³   Outer annular radius (m), ring 11:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE(11)
 R017 ³   Outer annular radius (m), ring 12:             ³ not used  ³
0.000E+00 ³              ---                ³ RAD_SHAPE(12)
      ³                                                   ³           ³
³                                ³
 R017 ³ Fractions of annular areas within AREA:          ³           ³
³                                ³
 R017 ³   Ring  1                                        ³ not used  ³
1.000E+00 ³              ---                ³ FRACA( 1)
 R017 ³   Ring  2                                        ³ not used  ³
```

2.732E-01 ³ --- ³ FRACA(2)
R017 ³ Ring 3 ³ not used ³
0.000E+00 ³ --- ³ FRACA(3)
R017 ³ Ring 4 ³ not used ³
0.000E+00 ³ --- ³ FRACA(4)
R017 ³ Ring 5 ³ not used ³
0.000E+00 ³ --- ³ FRACA(5)
R017 ³ Ring 6 ³ not used ³
0.000E+00 ³ --- ³ FRACA(6)
R017 ³ Ring 7 ³ not used ³
0.000E+00 ³ --- ³ FRACA(7)
R017 ³ Ring 8 ³ not used ³
0.000E+00 ³ --- ³ FRACA(8)
R017 ³ Ring 9 ³ not used ³
0.000E+00 ³ --- ³ FRACA(9)
R017 ³ Ring 10 ³ not used ³
0.000E+00 ³ --- ³ FRACA(10)
R017 ³ Ring 11 ³ not used ³
0.000E+00 ³ --- ³ FRACA(11)
R017 ³ Ring 12 ³ not used ³
0.000E+00 ³ --- ³ FRACA(12)
³ ³ ³
³ ³

Summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soil
File : RSCSSP_Probability.RAD

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Parameter Name
R018	Fruits, vegetables and grain consumption (kg/yr)	4.250E+01	1.600E+02	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	3.200E+00	1.400E+01	DIET(2)
R018	Milk consumption (L/yr)	not used	9.200E+01	DIET(3)
R018	Meat and poultry consumption (kg/yr)	not used	6.300E+01	DIET(4)
R018	Fish consumption (kg/yr)	not used	5.400E+00	DIET(5)
R018	Other seafood consumption (kg/yr)	not used	9.000E-01	DIET(6)
R018	Soil ingestion rate (g/yr)	7.000E+01	3.650E+01	SOIL
R018	Drinking water intake (L/yr)	not used	5.100E+02	DWI
R018	Contamination fraction of drinking water	not used	1.000E+00	FDW
R018	Contamination fraction of household water	not used	1.000E+00	FHHW
R018	Contamination fraction of livestock water	not used	1.000E+00	FLW

```
 R018 ³ Contamination fraction of irrigation water       ³ 0.000E+00 ³
1.000E+00 ³              ---               ³ FIRW
 R018 ³ Contamination fraction of aquatic food           ³ not used  ³
5.000E-01 ³              ---               ³ FR9
 R018 ³ Contamination fraction of plant food             ³ 1.000E+00 ³-1
³              ---               ³ FPLANT
 R018 ³ Contamination fraction of meat                   ³ not used  ³-1
³              ---               ³ FMEAT
 R018 ³ Contamination fraction of milk                   ³ not used  ³-1
³              ---               ³ FMILK
      ³                                                  ³           ³
³                                ³
 R019 ³ Livestock fodder intake for meat (kg/day)        ³ not used  ³
6.800E+01 ³              ---               ³ LFI5
 R019 ³ Livestock fodder intake for milk (kg/day)        ³ not used  ³
5.500E+01 ³              ---               ³ LFI6
 R019 ³ Livestock water intake for meat (L/day)          ³ not used  ³
5.000E+01 ³              ---               ³ LWI5
 R019 ³ Livestock water intake for milk (L/day)          ³ not used  ³
1.600E+02 ³              ---               ³ LWI6
 R019 ³ Livestock soil intake (kg/day)                   ³ not used  ³
5.000E-01 ³              ---               ³ LSI
 R019 ³ Mass loading for foliar deposition (g/m**3)      ³ 1.680E-04 ³
1.000E-04 ³              ---               ³ MLFD
 R019 ³ Depth of soil mixing layer (m)                   ³ 1.500E-01 ³
1.500E-01 ³              ---               ³ DM
 R019 ³ Depth of roots (m)                               ³ 1.500E-01 ³
9.000E-01 ³              ---               ³ DROOT
 R019 ³ Drinking water fraction from ground water        ³ not used  ³
1.000E+00 ³              ---               ³ FGWDW
 R019 ³ Household water fraction from ground water       ³ not used  ³
1.000E+00 ³              ---               ³ FGWHH
 R019 ³ Livestock water fraction from ground water       ³ not used  ³
1.000E+00 ³              ---               ³ FGWLW
 R019 ³ Irrigation fraction from ground water            ³ 0.000E+00 ³
1.000E+00 ³              ---               ³ FGWIR
      ³                                                  ³           ³
³                                ³
 R19B ³ Wet weight crop yield for Non-Leafy (kg/m**2)    ³ 7.000E-01 ³
7.000E-01 ³              ---               ³ YV(1)
 R19B ³ Wet weight crop yield for Leafy     (kg/m**2)    ³ 1.500E+00 ³
1.500E+00 ³              ---               ³ YV(2)
 R19B ³ Wet weight crop yield for Fodder    (kg/m**2)    ³ not used  ³
1.100E+00 ³              ---               ³ YV(3)
 R19B ³ Growing Season for  Non-Leafy (years)            ³ 1.700E-01 ³
1.700E-01 ³              ---               ³ TE(1)
 R19B ³ Growing Season for  Leafy     (years)            ³ 2.500E-01 ³
2.500E-01 ³              ---               ³ TE(2)
 R19B ³ Growing Season for  Fodder    (years)            ³ not used  ³
8.000E-02 ³              ---               ³ TE(3)
 R19B ³ Translocation Factor for  Non-Leafy              ³ 1.000E-01 ³
1.000E-01 ³              ---               ³ TIV(1)
 R19B ³ Translocation Factor for  Leafy                  ³ 1.000E+00 ³
1.000E+00 ³              ---               ³ TIV(2)
 R19B ³ Translocation Factor for  Fodder                 ³ not used  ³
1.000E+00 ³              ---               ³ TIV(3)
 R19B ³ Dry Foliar Interception Fraction for  Non-Leafy  ³ 2.500E-01 ³
2.500E-01 ³              ---               ³ RDRY(1)
 R19B ³ Dry Foliar Interception Fraction for  Leafy      ³ 2.500E-01 ³
2.500E-01 ³              ---               ³ RDRY(2)
```

R19B ³ Dry Foliar Interception Fraction for Fodder ³ not used ³
2.500E-01 ³ --- ³ RDRY(3)
R19B ³ Wet Foliar Interception Fraction for Non-Leafy ³ 2.500E-01 ³
2.500E-01 ³ --- ³ RWET(1)
R19B ³ Wet Foliar Interception Fraction for Leafy ³ 2.500E-01 ³
2.500E-01 ³ --- ³ RWET(2)
R19B ³ Wet Foliar Interception Fraction for Fodder ³ not used ³
2.500E-01 ³ --- ³ RWET(3)
R19B ³ Weathering Removal Constant for Vegetation ³ 2.000E+01 ³
2.000E+01 ³ --- ³ WLAM
³ ³ ³
³ ³
C14 ³ C-12 concentration in water (g/cm**3) ³ not used ³
2.000E-05 ³ --- ³ C12WTR
C14 ³ C-12 concentration in contaminated soil (g/g) ³ not used ³
3.000E-02 ³ --- ³ C12CZ
C14 ³ Fraction of vegetation carbon from soil ³ not used ³
2.000E-02 ³ --- ³ CSOIL

Site-Specific Parameter
Summary (continued)
0 ³ ³ User ³
³ Used by RESRAD ³ Parameter
Menu ³ Parameter ³ Input ³
Default ³ (If different from user input) ³ Name

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C14 ³ Fraction of vegetation carbon from air ³ not used ³
9.800E-01 ³ --- ³ CAIR
C14 ³ C-14 evasion layer thickness in soil (m) ³ not used ³
3.000E-01 ³ --- ³ DMC
C14 ³ C-14 evasion flux rate from soil (1/sec) ³ not used ³
7.000E-07 ³ --- ³ EVSN
C14 ³ C-12 evasion flux rate from soil (1/sec) ³ not used ³
1.000E-10 ³ --- ³ REVSN
C14 ³ Fraction of grain in beef cattle feed ³ not used ³
8.000E-01 ³ --- ³ AVFG4
C14 ³ Fraction of grain in milk cow feed ³ not used ³
2.000E-01 ³ --- ³ AVFG5
C14 ³ DCF correction factor for gaseous forms of C14 ³ not used ³
0.000E+00 ³ --- ³ CO2F
³ ³ ³
³ ³
STOR ³ Storage times of contaminated foodstuffs (days): ³ ³
³ ³
STOR ³ Fruits, non-leafy vegetables, and grain ³ 1.400E+01 ³
1.400E+01 ³ --- ³ STOR_T(1)
STOR ³ Leafy vegetables ³ 1.000E+00 ³
1.000E+00 ³ --- ³ STOR_T(2)
STOR ³ Milk ³ 1.000E+00 ³
1.000E+00 ³ --- ³ STOR_T(3)
STOR ³ Meat and poultry ³ 2.000E+01 ³
2.000E+01 ³ --- ³ STOR_T(4)
STOR ³ Fish ³ 7.000E+00 ³

```
7.000E+00 ³             ---                 ³ STOR_T(5)
 STOR ³   Crustacea and mollusks                          ³ 7.000E+00 ³
7.000E+00 ³             ---                 ³ STOR_T(6)
 STOR ³   Well water                                      ³ 1.000E+00 ³
1.000E+00 ³             ---                 ³ STOR_T(7)
 STOR ³   Surface water                                   ³ 1.000E+00 ³
1.000E+00 ³             ---                 ³ STOR_T(8)
 STOR ³   Livestock fodder                                ³ 4.500E+01 ³
4.500E+01 ³             ---                 ³ STOR_T(9)
      ³                                                   ³           ³
³                                ³
 R021 ³ Thickness of building foundation (m)              ³ not used  ³
1.500E-01 ³             ---                 ³ FLOOR1
 R021 ³ Bulk density of building foundation (g/cm**3)     ³ not used  ³
2.400E+00 ³             ---                 ³ DENSFL
 R021 ³ Total porosity of the cover material              ³ not used  ³
4.000E-01 ³             ---                 ³ TPCV
 R021 ³ Total porosity of the building foundation         ³ not used  ³
1.000E-01 ³             ---                 ³ TPFL
 R021 ³ Volumetric water content of the cover material    ³ not used  ³
5.000E-02 ³             ---                 ³ PH2OCV
 R021 ³ Volumetric water content of the foundation        ³ not used  ³
3.000E-02 ³             ---                 ³ PH2OFL
 R021 ³ Diffusion coefficient for radon gas (m/sec):      ³           ³
³                                ³
 R021 ³   in cover material                               ³ not used  ³
2.000E-06 ³             ---                 ³ DIFCV
 R021 ³   in foundation material                          ³ not used  ³
3.000E-07 ³             ---                 ³ DIFFL
 R021 ³   in contaminated zone soil                       ³ not used  ³
2.000E-06 ³             ---                 ³ DIFCZ
 R021 ³ Radon vertical dimension of mixing (m)            ³ not used  ³
2.000E+00 ³             ---                 ³ HMIX
 R021 ³ Average building air exchange rate (1/hr)         ³ not used  ³
5.000E-01 ³             ---                 ³ REXG
 R021 ³ Height of the building (room) (m)                 ³ not used  ³
2.500E+00 ³             ---                 ³ HRM
 R021 ³ Building interior area factor                     ³ not used  ³
0.000E+00 ³             ---                 ³ FAI
 R021 ³ Building depth below ground surface (m)           ³ not used  ³-
1.000E+00 ³             ---                 ³ DMFL
 R021 ³ Emanating power of Rn-222 gas                     ³ not used  ³
2.500E-01 ³             ---                 ³ EMANA(1)
 R021 ³ Emanating power of Rn-220 gas                     ³ not used  ³
1.500E-01 ³             ---                 ³ EMANA(2)
      ³                                                   ³           ³
³                                ³
 TITL ³ Number of graphical time points                   ³     32    ³
---    ³             ---                 ³ NPTS
 TITL ³ Maximum number of integration points for dose     ³     17    ³
---    ³             ---                 ³ LYMAX
 TITL ³ Maximum number of integration points for risk     ³      1    ³
---    ³             ---                 ³ KYMAX

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File : RSCSSP_Probability.RAD

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	suppressed
5 -- milk ingestion	suppressed
6 -- aquatic foods	suppressed
7 -- drinking water	suppressed
8 -- soil ingestion	active
9 -- radon	suppressed
Find peak pathway doses	active

Contaminated Zone Dimensions Initial Soil Concentrations, pCi/g

Area: 20000.00 square meters Am-241 3.900E-01
Thickness: 0.15 meters Pu-239 6.500E-01
Cover Depth: 0.00 meters
0

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 2.500E+01 mrem/yr

Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
TDOSE(t):	1.535E-01	1.530E-01	1.520E-01	1.485E-01	1.391E-01	1.109E-01	5.919E-02	7.362E-03
M(t):	6.140E-03	6.120E-03	6.080E-03	5.942E-03	5.566E-03	4.438E-03	2.368E-03	2.945E-04

0Maximum TDOSE(t): 1.535E-01 mrem/yr at t = 0.000E+00 years

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total

Dose At t = 0.000E+00 years
0 Water Independent Pathways
(Inhalation excludes radon)
0 Ground Inhalation Radon
Plant Meat Milk Soil
Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
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Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr
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Am-241 7.769E-03 0.0506 2.279E-03 0.0148 0.000E+00 0.0000 2.991E-02
0.1948 0.000E+00 0.0000 0.000E+00 0.0000 3.661E-02 0.2385
Pu-239 8.573E-05 0.0006 4.241E-03 0.0276 0.000E+00 0.0000 2.803E-03
0.0183 0.000E+00 0.0000 0.000E+00 0.0000 6.981E-02 0.4548
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Total 7.855E-03 0.0512 6.520E-03 0.0425 0.000E+00 0.0000 3.271E-02
0.2131 0.000E+00 0.0000 0.000E+00 0.0000 1.064E-01 0.6933
0
Total Dose Contributions TDOSE(i,p,t) for
Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total
Dose At t = 0.000E+00 years
0 Water Dependent
Pathways
0 Water Fish Radon
Plant Meat Milk All Pathways*
Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
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Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr
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0.0000 0.000E+00 0.0000 0.000E+00 0.0000 7.657E-02 0.4988
Pu-239 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00
0.0000 0.000E+00 0.0000 0.000E+00 0.0000 7.694E-02 0.5012
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Total 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00
0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.535E-01 1.0000
0*Sum of all water independent and dependent pathways.
1RESRAD, Version 6.3 T« Limit = 180 days 03/02/2006 13:04
Page 12
Summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits
West Excavation Soil
File : RSCSSP_Probability.RAD

Total Dose Contributions TDOSE(i,p,t) for
Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total
Dose At t = 1.000E+00 years
0 Water Independent Pathways
(Inhalation excludes radon)
0 Ground Inhalation Radon
Plant Meat Milk Soil
Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
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 Am-241 7.739E-03 0.0506 2.269E-03 0.0148 0.000E+00 0.0000 2.978E-02
0.1946 0.000E+00 0.0000 0.000E+00 0.0000 3.645E-02 0.2383
 Pu-239 8.557E-05 0.0006 4.231E-03 0.0277 0.000E+00 0.0000 2.797E-03
0.0183 0.000E+00 0.0000 0.000E+00 0.0000 6.965E-02 0.4552
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 Total   7.825E-03 0.0511 6.500E-03 0.0425 0.000E+00 0.0000 3.257E-02
0.2129 0.000E+00 0.0000 0.000E+00 0.0000 1.061E-01 0.6935
0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years
0 Water Dependent Pathways
0 Water Fish Radon
Plant Meat Milk All Pathways*
 Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
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 Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr
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0.0000 0.000E+00 0.0000 0.000E+00 0.0000 7.624E-02 0.4983
 Pu-239 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00
0.0000 0.000E+00 0.0000 0.000E+00 0.0000 7.676E-02 0.5017
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 Total   0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00
0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.530E-01 1.0000
0*Sum of all water independent and dependent pathways.
1RESRAD, Version 6.3 T« Limit = 180 days 03/02/2006 13:04
Page 13
 Summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soil
 File : RSCSSP_Probability.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years
0 Water Independent Pathways (Inhalation excludes radon)
0 Ground Inhalation Radon
Plant Meat Milk Soil
 Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
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 Am-241 7.680E-03 0.0505 2.249E-03 0.0148 0.000E+00 0.0000 2.952E-02
0.1942 0.000E+00 0.0000 0.000E+00 0.0000 3.614E-02 0.2377
 Pu-239 8.526E-05 0.0006 4.212E-03 0.0277 0.000E+00 0.0000 2.784E-03
0.0183 0.000E+00 0.0000 0.000E+00 0.0000 6.933E-02 0.4561
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 Total 7.765E-03 0.0511 6.461E-03 0.0425 0.000E+00 0.0000 3.230E-02 0.2125 0.000E+00 0.0000 0.000E+00 0.0000 1.055E-01 0.6939
0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years
0 Water Dependent Pathways
0 Water Fish Radon
Plant Meat Milk All Pathways*
 Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
 Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract.
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 Am-241 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 7.559E-02 0.4973
 Pu-239 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 7.641E-02 0.5027
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 Total 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.520E-01 1.0000
0*Sum of all water independent and dependent pathways.

 Summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soil
 File : RSCSSP_Probability.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years
0 Water Independent Pathways (Inhalation excludes radon)
0 Ground Inhalation Radon
Plant Meat Milk Soil
 Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
 Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract.
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 Am-241 7.477E-03 0.0503 2.182E-03 0.0147 0.000E+00 0.0000 2.864E-02 0.1928 0.000E+00 0.0000 0.000E+00 0.0000 3.505E-02 0.2360
 Pu-239 8.418E-05 0.0006 4.145E-03 0.0279 0.000E+00 0.0000 2.740E-03 0.0184 0.000E+00 0.0000 0.000E+00 0.0000 6.823E-02 0.4593
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 Total 7.561E-03 0.0509 6.327E-03 0.0426 0.000E+00 0.0000 3.138E-02 0.2112 0.000E+00 0.0000 0.000E+00 0.0000 1.033E-01 0.6953
0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

0 Water Dependent Pathways
0 Water Fish Radon
Plant Meat Milk All Pathways*
Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract.
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Am-241 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 7.335E-02 0.4938
Pu-239 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 7.520E-02 0.5062
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Total 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.485E-01 1.0000
0*Sum of all water independent and dependent pathways.
1RESRAD, Version 6.3 T« Limit = 180 days 03/02/2006 13:04 Page 15
Summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soil
File : RSCSSP_Probability.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years
0 Water Independent Pathways (Inhalation excludes radon)
0 Ground Inhalation Radon
Plant Meat Milk Soil
Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract.
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Am-241 6.925E-03 0.0498 2.000E-03 0.0144 0.000E+00 0.0000 2.626E-02 0.1887 0.000E+00 0.0000 0.000E+00 0.0000 3.213E-02 0.2309
Pu-239 8.116E-05 0.0006 3.959E-03 0.0285 0.000E+00 0.0000 2.617E-03 0.0188 0.000E+00 0.0000 0.000E+00 0.0000 6.518E-02 0.4684
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Total 7.006E-03 0.0503 5.959E-03 0.0428 0.000E+00 0.0000 2.887E-02 0.2075 0.000E+00 0.0000 0.000E+00 0.0000 9.731E-02 0.6993
0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years
0 Water Dependent Pathways
0 Water Fish Radon
Plant Meat Milk All Pathways*
Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.0000E+02 years

0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground mrem/yr	Ground fract.	Inhalation Meat mrem/yr	Inhalation Meat fract.	Inhalation Milk mrem/yr	Inhalation Milk fract.	Plant mrem/yr	Plant fract.	Soil mrem/yr	Soil fract.
Am-241	5.294E-03	0.0477	1.473E-03	0.0133	0.000E+00	0.0000	1.936E-02	0.1745	0.000E+00	0.0000
Pu-239	7.141E-05	0.0006	3.370E-03	0.0304	0.000E+00	0.0000	2.228E-03	0.0201	0.000E+00	0.0000
Total	5.365E-03	0.0484	4.844E-03	0.0437	0.000E+00	0.0000	2.158E-02	0.1945	0.000E+00	0.0000

Radio- Nuclide	Radon Soil mrem/yr	Radon Soil fract.
Am-241	2.367E-02	0.2134
Pu-239	5.548E-02	0.5000
Total	7.915E-02	0.7134

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.0000E+02 years

0 Water Dependent Pathways

Radio- Nuclide	Water Meat mrem/yr	Water Meat fract.	Fish Milk mrem/yr	Fish Milk fract.	Radon All Pathways* mrem/yr	Radon All Pathways* fract.
Am-241	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Pu-239	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	1.391E-01	1.0000

0*Sum of all water independent and dependent pathways.

Radio- Nuclide	Water Meat mrem/yr	Water Meat fract.	Fish Milk mrem/yr	Fish Milk fract.	Radon All Pathways* mrem/yr	Radon All Pathways* fract.
Am-241	0.000E+00	0.0000	0.000E+00	0.0000	4.980E-02	0.4489
Pu-239	0.000E+00	0.0000	0.000E+00	0.0000	6.114E-02	0.5511

Total 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.109E-01 1.0000
0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years
0 Water Independent Pathways (Inhalation excludes radon)

0 Plant Radio- Nuclide	Ground Meat mrem/yr	fract.	Inhalation Milk mrem/yr	fract.	Radon Soil mrem/yr	fract.
Am-241	2.456E-03	0.0415	6.107E-04	0.0103	0.000E+00	0.0000
Pu-239	4.938E-05	0.0008	2.110E-03	0.0356	0.000E+00	0.0000
Total	2.505E-03	0.0423	2.721E-03	0.0460	0.000E+00	0.0000

0 Plant Radio- Nuclide	Ground Meat mrem/yr	fract.	Inhalation Milk mrem/yr	fract.	Radon Soil mrem/yr	fract.
Am-241	8.025E-03	0.1356	0.000E+00	0.0000	0.000E+00	0.0000
Pu-239	1.395E-03	0.0236	0.000E+00	0.0000	0.000E+00	0.0000
Total	9.420E-03	0.1591	0.000E+00	0.0000	0.000E+00	0.0000

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years
0 Water Dependent Pathways

0 Plant Radio- Nuclide	Water Meat mrem/yr	fract.	Fish Milk mrem/yr	fract.	Radon All Pathways* mrem/yr	fract.
Am-241	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Pu-239	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0 Plant Radio- Nuclide	Water Meat mrem/yr	fract.	Fish Milk mrem/yr	fract.	Radon All Pathways* mrem/yr	fract.
Am-241	0.000E+00	0.0000	0.000E+00	0.0000	2.090E-02	0.3531
Pu-239	0.000E+00	0.0000	0.000E+00	0.0000	3.829E-02	0.6469
Total	0.000E+00	0.0000	0.000E+00	0.0000	5.919E-02	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years
0 Water Independent Pathways (Inhalation excludes radon)

0 Plant Radio- Nuclide	Ground Meat mrem/yr	fract.	Inhalation Milk mrem/yr	fract.	Radon Soil mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Am-241	1.648E-04	0.0224	2.431E-05	0.0033	0.000E+00	0.0000	3.195E-04	0.0434	0.000E+00	0.0000	0.000E+00	0.0000
Pu-239	1.272E-05	0.0017	3.559E-04	0.0483	0.000E+00	0.0000	2.353E-04	0.0320	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.775E-04	0.0241	3.803E-04	0.0516	0.000E+00	0.0000	5.547E-04	0.0753	0.000E+00	0.0000	0.000E+00	0.0000

0
Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years
0 Water Dependent Pathways

0 Plant Radio- Nuclide	Water Meat mrem/yr	fract.	Fish Milk mrem/yr	fract.	Radon All Pathways* mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Am-241	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.991E-04	0.1221
Pu-239	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.463E-03	0.8779
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.362E-03	1.0000

0*Sum of all water independent and dependent pathways.

Summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soil
File : RSCSSP_Probability.RAD

Dose/Source Ratios Summed Over All Pathways
Parent and Progeny Principal Radionuclide Contributions Indicated

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+

01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
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 Am-241   Am-241   1.000E+00 1.963E-01 1.955E-01 1.938E-01 1.881E-
01 1.726E-01 1.276E-01 5.356E-02 2.304E-03
 Am-241   Np-237+D   1.000E+00 7.406E-07 2.278E-06 5.268E-06 1.480E-
05 3.527E-05 5.988E-05 3.500E-05 1.510E-06
 Am-241   U-233   1.000E+00 2.820E-14 1.787E-13 8.798E-13 6.935E-
12 4.334E-11 1.782E-10 1.540E-10 6.589E-12
 Am-241   Th-229+D   1.000E+00 7.367E-18 1.029E-16 1.141E-15 2.761E-
14 5.417E-13 9.599E-12 5.108E-11 6.644E-11
 Am-241   äDSR(j)   1.963E-01 1.955E-01 1.938E-01 1.881E-
01 1.726E-01 1.277E-01 5.360E-02 2.305E-03
0Pu-239   Pu-239   1.000E+00 1.184E-01 1.181E-01 1.176E-01 1.157E-
01 1.105E-01 9.407E-02 5.891E-02 9.943E-03
 Pu-239   U-235+D   1.000E+00 2.406E-10 7.213E-10 1.647E-09 4.530E-
09 1.033E-08 1.639E-08 1.233E-08 2.830E-09
 Pu-239   Pa-231   1.000E+00 1.849E-14 1.283E-13 6.393E-13 4.534E-
12 2.074E-11 4.601E-11 3.398E-11 5.786E-12
 Pu-239   Ac-227+D   1.000E+00 1.142E-16 1.474E-15 1.409E-14 2.167E-
13 1.579E-12 4.179E-12 3.212E-12 6.073E-13
 Pu-239   äDSR(j)   1.184E-01 1.181E-01 1.176E-01 1.157E-
01 1.105E-01 9.407E-02 5.891E-02 9.943E-03
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 The DSR includes contributions from associated (half-life ó 180 days)
daughters.
0
                              Single Radionuclide Soil Guidelines G(i,t)
in pCi/g
                                 Basic Radiation Dose Limit = 2.500E+01
mrem/yr
0Nuclide
   (i)   t= 0.000E+00   1.000E+00   3.000E+00   1.000E+01   3.000E+01
1.000E+02   3.000E+02   1.000E+03
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 Am-241   1.273E+02   1.279E+02   1.290E+02   1.329E+02   1.448E+02
1.958E+02   4.664E+02   1.084E+04
 Pu-239   2.112E+02   2.117E+02   2.127E+02   2.161E+02   2.262E+02
2.658E+02   4.244E+02   2.514E+03
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0
             Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)
             and Single Radionuclide Soil Guidelines G(i,t) in pCi/g
          at tmin = time of minimum single radionuclide soil guideline
      and at tmax = time of maximum total dose = 0.000E+00 years
0Nuclide Initial   tmin   DSR(i,tmin) G(i,tmin) DSR(i,tmax) G
(i,tmax)
   (i)   (pCi/g)   (years)   (pCi/g)
(pCi/g)
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 Am-241 3.900E-01   0.000E+00   1.963E-01 1.273E+02 1.963E-01
1.273E+02
 Pu-239 6.500E-01   0.000E+00   1.184E-01 2.112E+02 1.184E-01
2.112E+02
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Summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soil
File : RSCSSP_Probability.RAD

Individual Nuclide Dose Summed Over All Pathways

Parent Nuclide and Branch Fraction Indicated

0Nuclide	Parent	THF(i)	DOSE(j,t), mrem/yr						
(j)	(i)	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
1.000E+03									
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
ÄÄÄÄÄÄÄÄÄ									
Am-241	Am-241	1.000E+00	7.657E-02	7.624E-02	7.559E-02	7.334E-02	6.730E-02	4.977E-02	2.089E-02
8.985E-04									
0Np-237	Am-241	1.000E+00	2.888E-07	8.885E-07	2.054E-06	5.773E-06	1.376E-05	2.335E-05	1.365E-05
5.888E-07									
0U-233	Am-241	1.000E+00	1.100E-14	6.969E-14	3.431E-13	2.704E-12	1.690E-11	6.949E-11	6.004E-11
2.570E-12									
0Th-229	Am-241	1.000E+00	2.873E-18	4.012E-17	4.452E-16	1.077E-14	2.113E-13	3.743E-12	1.992E-11
2.591E-11									
0Pu-239	Pu-239	1.000E+00	7.694E-02	7.676E-02	7.641E-02	7.520E-02	7.183E-02	6.114E-02	3.829E-02
6.463E-03									
0U-235	Pu-239	1.000E+00	1.564E-10	4.688E-10	1.070E-09	2.944E-09	6.713E-09	1.065E-08	8.015E-09
1.839E-09									
0Pa-231	Pu-239	1.000E+00	1.202E-14	8.342E-14	4.156E-13	2.947E-12	1.348E-11	2.991E-11	2.208E-11
3.761E-12									
0Ac-227	Pu-239	1.000E+00	7.426E-17	9.581E-16	9.159E-15	1.409E-13	1.026E-12	2.716E-12	2.088E-12
3.947E-13									
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ
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THF(i) is the thread fraction of the parent nuclide.

Individual Nuclide Soil Concentration

Parent Nuclide and Branch Fraction Indicated

0Nuclide	Parent	THF(i)	S(j,t), pCi/g						
(j)	(i)	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
1.000E+03									
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
ÄÄÄÄÄÄÄÄÄ									
Am-241	Am-241	1.000E+00	3.900E-01	3.885E-01	3.855E-01	3.753E-01	3.475E-01	2.654E-01	1.229E-01
8.311E-03									
0Np-237	Am-241	1.000E+00	0.000E+00	1.251E-07	3.680E-07	1.146E-06	2.842E-06	5.038E-06	3.266E-06
2.273E-07									
0U-233	Am-241	1.000E+00	0.000E+00	2.723E-13	2.381E-12	2.393E-11	1.625E-10	7.102E-10	6.893E-10
4.994E-11									
0Th-229	Am-241	1.000E+00	0.000E+00	8.601E-18	2.272E-16	7.806E-15	1.708E-13	3.197E-12	1.818E-11
3.158E-11									
0Pu-239	Pu-239	1.000E+00	6.500E-01	6.488E-01	6.465E-01	6.385E-01	6.161E-01	5.437E-01	3.804E-01
1.090E-01									
0U-235	Pu-239	1.000E+00	0.000E+00	6.321E-10	1.849E-09	5.646E-09			

1.333E-08 2.167E-08 1.703E-08 4.887E-09
0Pa-231 Pu-239 1.000E+00   0.000E+00 6.538E-15 5.488E-14 4.819E-13
2.366E-12 5.537E-12 4.571E-12 1.312E-12
0Ac-227 Pu-239 1.000E+00   0.000E+00 6.609E-17 1.516E-15 3.321E-14
2.686E-13 7.498E-13 6.309E-13 1.811E-13
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 THF(i) is the thread fraction of the parent nuclide.
0RESCALC.EXE execution time = 613.01 seconds

Table of Contents

Part VI: Uncertainty Analysis

Probabilistic Input

0Number of Sample Runs: 1000

Number	Name	Distribution	Parameters	
1	FIND	TRIANGULAR	.408	.545 .815
2	FOTD	TRIANGULAR	.072	.096 .144
3	DIET(1)	LOGNORMAL-N	2.02	1.04
4	DIET(2)	LOGNORMAL-N	-1.12	1.77
5	INHALR	LOGNORMAL-N	8.08	.305
6	MLINH	CONTINUOUS LINEAR	8	.00001 0 .0000202 .338 .0000231 .788 .0000507 .919 .000058 .944 .0000957 .969 .000109 .994 .0002 1
7	MLFD	CONTINUOUS LINEAR	8	.000025 0 .0000505 .338 .0000577 .788 .000127 .919 .000145 .944 .000239 .969 .000274 .994 .0005 1
8	SOIL	BOUNDED LOGNORMAL-N	1.91	1.37

1 365
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Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu
- Ash Pits West Excavation Soil File: RSCSSP_Probability.RAD

0 Probabilistic Total Dose Summary

0Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
Am-241										
Min	0.00E+00	6.66E-03	6.66E-03	6.63E-03	6.58E-03	6.40E-03	5.92E-03	4.49E-03	2.04E-03	1.22E-04
Max	0.00E+00	1.63E-01	1.63E-01	1.62E-01	1.61E-01	1.56E-01	1.43E-01	1.06E-01	4.40E-02	1.80E-03
Avg	0.00E+00	2.21E-02	2.21E-02	2.20E-02	2.19E-02	2.12E-02	1.95E-02	1.45E-02	6.21E-03	2.96E-04
Std	0.00E+00	1.64E-02	1.64E-02	1.64E-02	1.62E-02	1.57E-02	1.44E-02	1.06E-02	4.41E-03	1.76E-04
Pu-239										
Min	0.00E+00	1.37E-03	1.37E-03	1.36E-03	1.36E-03	1.34E-03	1.28E-03	1.09E-03	6.85E-04	1.19E-04
Max	0.00E+00	2.71E-01	2.71E-01	2.71E-01	2.69E-01	2.65E-01	2.53E-01	2.16E-01	1.35E-01	2.28E-02
Avg	0.00E+00	1.44E-02	1.44E-02	1.44E-02	1.43E-02	1.41E-02	1.34E-02	1.14E-02	7.16E-03	1.21E-03
Std	0.00E+00	2.17E-02	2.17E-02	2.17E-02	2.16E-02	2.12E-02	2.03E-02	1.73E-02	1.08E-02	1.82E-03
äALL										
Min	0.00E+00	8.03E-03	8.03E-03	8.00E-03	7.94E-03	7.74E-03	7.20E-03	5.59E-03	2.73E-03	2.42E-04
Max	0.00E+00	4.23E-01	4.23E-01	4.22E-01	4.19E-01	4.10E-01	3.87E-01	3.14E-01	1.76E-01	2.45E-02
Avg	0.00E+00	3.65E-02	3.65E-02	3.64E-02	3.61E-02	3.53E-02	3.29E-02	2.59E-02	1.34E-02	1.51E-03
Std	0.00E+00	3.55E-02	3.55E-02	3.54E-02	3.52E-02	3.44E-02	3.24E-02	2.61E-02	1.43E-02	1.96E-03
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ

äALL is total dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu
- Ash Pits West Excavation Soil File: RSCSSP_Probability.RAD

0 Probabilistic Risk Summary

0Nuclide (j)	RISK(j,t) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
Am-241								
Min	9.08E-08	9.05E-08	8.98E-08	8.74E-08	8.09E-08	6.16E-08		

2.83E-08 1.84E-09
   Max   5.54E-07 5.52E-07 5.47E-07 5.31E-07 4.88E-07 3.62E-07
1.53E-07 7.14E-09
   Avg   1.55E-07 1.54E-07 1.53E-07 1.49E-07 1.38E-07 1.04E-07
4.67E-08 2.78E-09
   Std   4.91E-08 4.89E-08 4.85E-08 4.70E-08 4.32E-08 3.19E-08
1.33E-08 5.71E-10
 Pu-239
   Min   6.21E-09 6.19E-09 6.17E-09 6.07E-09 5.81E-09 4.97E-09
3.16E-09 5.84E-10
   Max   8.89E-07 8.87E-07 8.83E-07 8.69E-07 8.30E-07 7.06E-07
4.42E-07 7.47E-08
   Avg   4.99E-08 4.98E-08 4.96E-08 4.88E-08 4.66E-08 3.97E-08
2.50E-08 4.27E-09
   Std   7.10E-08 7.08E-08 7.05E-08 6.94E-08 6.63E-08 5.64E-08
3.53E-08 5.96E-09
 äALL
   Min   9.71E-08 9.67E-08 9.60E-08 9.35E-08 8.67E-08 6.66E-08
3.15E-08 2.42E-09
   Max   1.43E-06 1.43E-06 1.42E-06 1.39E-06 1.31E-06 1.06E-06
5.94E-07 8.19E-08
   Avg   2.05E-07 2.04E-07 2.03E-07 1.98E-07 1.84E-07 1.44E-07
7.17E-08 7.06E-09
   Std   1.12E-07 1.11E-07 1.11E-07 1.08E-07 1.02E-07 8.24E-08
4.58E-08 6.36E-09
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 äALL is total risk summed for all nuclides.

 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil   File:
RSCSSP_Probability.RAD
0   Probabilistic Dose vs Pathway(i):   Ground External
0Nuclide   DOSE(i,j,t), mrem/yr
   (j)   t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
 ÄÄÄÄÄÄÄ   ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
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 Am-241
   Min   4.04E-03 4.03E-03 4.00E-03 3.89E-03 3.60E-03 2.75E-03
1.28E-03 8.57E-05
   Max   7.63E-03 7.60E-03 7.54E-03 7.34E-03 6.80E-03 5.20E-03
2.41E-03 1.62E-04
   Avg   5.64E-03 5.62E-03 5.58E-03 5.43E-03 5.03E-03 3.84E-03
1.78E-03 1.20E-04
   Std   6.13E-04 6.10E-04 6.06E-04 5.90E-04 5.46E-04 4.17E-04
1.94E-04 1.30E-05
 Pu-239
   Min   4.46E-05 4.45E-05 4.44E-05 4.38E-05 4.22E-05 3.72E-05
2.57E-05 6.62E-06
   Max   8.42E-05 8.40E-05 8.37E-05 8.27E-05 7.97E-05 7.01E-05
4.85E-05 1.25E-05
   Avg   6.22E-05 6.21E-05 6.19E-05 6.11E-05 5.89E-05 5.18E-05
3.58E-05 9.24E-06
   Std   6.76E-06 6.75E-06 6.72E-06 6.64E-06 6.40E-06 5.63E-06
3.89E-06 1.00E-06
 äALL
   Min   4.09E-03 4.07E-03 4.04E-03 3.93E-03 3.65E-03 2.79E-03

1.30E-03 9.23E-05
   Max   7.71E-03 7.68E-03 7.63E-03 7.42E-03 6.88E-03 5.27E-03
2.46E-03 1.74E-04
   Avg   5.70E-03 5.68E-03 5.64E-03 5.49E-03 5.09E-03 3.89E-03
1.82E-03 1.29E-04
   Std   6.19E-04 6.17E-04 6.12E-04 5.96E-04 5.52E-04 4.23E-04
1.98E-04 1.40E-05
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 äALL is total pathway dose summed for all nuclides.

 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil   File:
RSCSSP_Probability.RAD
0   Probabilistic Dose vs Pathway(i):   Inhalation (w/o
Radon)
0Nuclide   DOSE(i,j,t), mrem/yr
   (j)   t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
 ÄÄÄÄÄÄÄÄ   ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
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 Am-241
   Min   5.93E-05 5.91E-05 5.86E-05 5.68E-05 5.21E-05 3.84E-05
1.59E-05 6.33E-07
   Max   3.07E-03 3.06E-03 3.03E-03 2.94E-03 2.69E-03 1.98E-03
8.22E-04 3.27E-05
   Avg   4.17E-04 4.15E-04 4.12E-04 3.99E-04 3.66E-04 2.70E-04
1.12E-04 4.45E-06
   Std   3.45E-04 3.44E-04 3.41E-04 3.31E-04 3.03E-04 2.23E-04
9.26E-05 3.68E-06
 Pu-239
   Min   1.10E-04 1.10E-04 1.10E-04 1.08E-04 1.03E-04 8.78E-05
5.49E-05 9.27E-06
   Max   5.71E-03 5.70E-03 5.67E-03 5.58E-03 5.33E-03 4.54E-03
2.84E-03 4.79E-04
   Avg   7.76E-04 7.75E-04 7.71E-04 7.59E-04 7.25E-04 6.17E-04
3.86E-04 6.52E-05
   Std   6.43E-04 6.41E-04 6.38E-04 6.28E-04 6.00E-04 5.11E-04
3.20E-04 5.40E-05
 äALL
   Min   1.70E-04 1.69E-04 1.68E-04 1.65E-04 1.55E-04 1.26E-04
7.08E-05 9.90E-06
   Max   8.78E-03 8.75E-03 8.70E-03 8.52E-03 8.03E-03 6.52E-03
3.66E-03 5.12E-04
   Avg   1.19E-03 1.19E-03 1.18E-03 1.16E-03 1.09E-03 8.87E-04
4.98E-04 6.96E-05
   Std   9.88E-04 9.85E-04 9.79E-04 9.59E-04 9.03E-04 7.34E-04
4.12E-04 5.76E-05
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ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ
 äALL is total pathway dose summed for all nuclides.

 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil   File:
RSCSSP_Probability.RAD
0   Probabilistic Dose vs Pathway(i):   Radon (Water Ind.)

0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02 3.00E+02 1.00E+03
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Am-241
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Pu-239
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
äALL
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu
- Ash Pits West Excavation Soil File: RSCSSP_Probability.RAD

0 Probabilistic Dose vs Pathway(i): Plant (Water Ind.)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02 3.00E+02 1.00E+03
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Am-241
Min 2.17E-04 2.16E-04 2.14E-04 2.07E-04 1.90E-04 1.40E-04 5.81E-05 2.31E-06
Max 1.55E-01 1.54E-01 1.53E-01 1.48E-01 1.36E-01 1.00E-01 4.16E-02 1.66E-03
Avg 9.43E-03 9.39E-03 9.31E-03 9.03E-03 8.28E-03 6.10E-03 2.53E-03 1.01E-04
Std 1.18E-02 1.17E-02 1.16E-02 1.13E-02 1.03E-02 7.63E-03 3.16E-03 1.26E-04
Pu-239
Min 2.01E-05 2.00E-05 1.99E-05 1.96E-05 1.87E-05 1.59E-05 9.99E-06 1.68E-06
Max 1.44E-02 1.43E-02 1.43E-02 1.40E-02 1.34E-02 1.14E-02

7.15E-03 1.21E-03
   Avg   8.75E-04 8.73E-04 8.69E-04 8.55E-04 8.17E-04 6.95E-04
4.35E-04 7.35E-05
   Std   1.09E-03 1.09E-03 1.09E-03 1.07E-03 1.02E-03 8.68E-04
5.44E-04 9.17E-05
 äALL
   Min   2.37E-04 2.36E-04 2.34E-04 2.27E-04 2.09E-04 1.56E-04
6.81E-05 4.00E-06
   Max   1.69E-01 1.69E-01 1.67E-01 1.62E-01 1.49E-01 1.12E-01
4.87E-02 2.86E-03
   Avg   1.03E-02 1.03E-02 1.02E-02 9.88E-03 9.09E-03 6.80E-03
2.97E-03 1.74E-04
   Std   1.29E-02 1.28E-02 1.27E-02 1.24E-02 1.14E-02 8.50E-03
3.71E-03 2.18E-04
 ÍÍÍÍÍÍÍ   ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ
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 äALL is total pathway dose summed for all nuclides.

 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil   File:
RSCSSP_Probability.RAD
0   Probabilistic Dose vs Pathway(i):   Meat (Water Ind.)
0Nuclide   DOSE(i,j,t), mrem/yr
   (j)   t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
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ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
 Am-241
   Min   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Max   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Avg   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Std   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
 Pu-239
   Min   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Max   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Avg   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Std   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
 äALL
   Min   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Max   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Avg   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Std   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ
 äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu
- Ash Pits West Excavation Soil File: RSCSSP_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Milk (Water Ind.)
0Nuclide DOSE(i,j,t), mrem/yr

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
Am-241								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pu-239								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ

äALL is total pathway dose summed for all nuclides.
1RESRAD, Version 6.3 T« Limit = 180 days 03/02/2006 13:04

Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu
- Ash Pits West Excavation Soil File: RSCSSP_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Soil Ingestion
0Nuclide DOSE(i,j,t), mrem/yr

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
Am-241								
Min	3.10E-04	3.08E-04	3.06E-04	2.96E-04	2.72E-04	2.00E-04	8.30E-05	3.30E-06
Max	1.42E-01	1.41E-01	1.40E-01	1.36E-01	1.24E-01	9.17E-02	3.80E-02	1.51E-03
Avg	6.65E-03	6.62E-03	6.56E-03	6.36E-03	5.83E-03	4.30E-03	1.78E-03	7.09E-05

```
   Std      1.14E-02  1.13E-02  1.12E-02  1.09E-02  9.98E-03  7.36E-03
3.05E-03  1.21E-04
 Pu-239
   Min      5.90E-04  5.89E-04  5.86E-04  5.77E-04  5.51E-04  4.69E-04
2.94E-04  4.95E-05
   Max      2.70E-01  2.70E-01  2.69E-01  2.64E-01  2.52E-01  2.15E-01
1.35E-01  2.27E-02
   Avg      1.27E-02  1.26E-02  1.26E-02  1.24E-02  1.18E-02  1.01E-02
6.31E-03  1.06E-03
   Std      2.17E-02  2.16E-02  2.15E-02  2.12E-02  2.03E-02  1.72E-02
1.08E-02  1.82E-03
 äALL
   Min      9.00E-04  8.97E-04  8.92E-04  8.73E-04  8.23E-04  6.69E-04
3.77E-04  5.28E-05
   Max      4.12E-01  4.11E-01  4.08E-01  4.00E-01  3.77E-01  3.07E-01
1.73E-01  2.42E-02
   Avg      1.93E-02  1.93E-02  1.91E-02  1.88E-02  1.77E-02  1.44E-02
8.09E-03  1.13E-03
   Std      3.31E-02  3.30E-02  3.28E-02  3.21E-02  3.02E-02  2.46E-02
1.38E-02  1.94E-03
 ÍÍÍÍÍÍÍ    ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ
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 äALL is total pathway dose summed for all nuclides.
1RESRAD, Version 6.3      T« Limit = 180 days        03/02/2006  13:04
Page  12
 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil                      File:
RSCSSP_Probability.RAD
0                   Probabilistic Dose vs Pathway(i):   Water Ingestion
0Nuclide                               DOSE(i,j,t), mrem/yr
   (j)   t= 0.00E+00  1.00E+00  3.00E+00  1.00E+01  3.00E+01  1.00E+02
3.00E+02  1.00E+03
 ÄÄÄÄÄÄÄ    ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ
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 Am-241
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
 Pu-239
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
 äALL
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
0.00E+00  0.00E+00
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Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu
- Ash Pits West Excavation Soil File:
RSCSSP_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Fish Ingestion
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
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Am-241
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Pu-239
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
äALL
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu
- Ash Pits West Excavation Soil File:
RSCSSP_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Radon (Water Dep.)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
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Am-241

Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Pu-239
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
äALL
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
- Ash Pits West Excavation Soil File:
RSCSSP_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Plant (Water Dep.)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
ÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ
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Am-241
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Pu-239
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
äALL

Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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äALL is total pathway dose summed for all nuclides.
1RESRAD, Version 6.3 T« Limit = 180 days 03/02/2006 13:04
Page 16
Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
- Ash Pits West Excavation Soil File:
RSCSSP_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Meat (Water Dep.)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
ÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄ
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Am-241
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Pu-239
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
äALL
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ
äALL is total pathway dose summed for all nuclides.
1RESRAD, Version 6.3 T« Limit = 180 days 03/02/2006 13:04
Page 17
Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
- Ash Pits West Excavation Soil File:
RSCSSP_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Milk (Water Dep.)

0Nuclide DOSE(i,j,t), mrem/yr

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
Am-241								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pu-239								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ

äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soil File: RSCSSP_Probability.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
0.025	1.10E-02	1.09E-02	1.09E-02	1.06E-02	9.84E-03	7.63E-03	3.71E-03	3.26E-04
0.050	1.17E-02	1.17E-02	1.16E-02	1.13E-02	1.05E-02	8.10E-03	3.94E-03	3.54E-04
0.075	1.26E-02	1.25E-02	1.24E-02	1.21E-02	1.12E-02	8.72E-03	4.25E-03	3.88E-04
0.100	1.34E-02	1.34E-02	1.33E-02	1.29E-02	1.20E-02	9.23E-03	4.52E-03	4.17E-04
0.125	1.42E-02	1.42E-02	1.41E-02	1.37E-02	1.28E-02	9.90E-03	4.83E-03	4.36E-04
0.150	1.50E-02	1.50E-02	1.49E-02	1.45E-02	1.35E-02			

1.05E-02 5.11E-03 4.66E-04
    0.175   1.58E-02 1.57E-02 1.56E-02 1.52E-02 1.41E-02
1.10E-02 5.43E-03 4.91E-04
    0.200   1.62E-02 1.61E-02 1.60E-02 1.56E-02 1.46E-02
1.14E-02 5.62E-03 5.21E-04
    0.225   1.69E-02 1.69E-02 1.67E-02 1.63E-02 1.51E-02
1.18E-02 5.84E-03 5.57E-04
    0.250   1.76E-02 1.75E-02 1.74E-02 1.69E-02 1.58E-02
1.23E-02 6.08E-03 5.85E-04
    0.275   1.82E-02 1.82E-02 1.80E-02 1.76E-02 1.64E-02
1.28E-02 6.30E-03 6.12E-04
    0.300   1.88E-02 1.88E-02 1.87E-02 1.82E-02 1.69E-02
1.32E-02 6.51E-03 6.34E-04
    0.325   1.95E-02 1.95E-02 1.93E-02 1.89E-02 1.76E-02
1.37E-02 6.79E-03 6.60E-04
    0.350   2.01E-02 2.01E-02 1.99E-02 1.94E-02 1.81E-02
1.41E-02 7.16E-03 6.96E-04
    0.375   2.10E-02 2.10E-02 2.08E-02 2.03E-02 1.89E-02
1.47E-02 7.39E-03 7.14E-04
    0.400   2.18E-02 2.17E-02 2.15E-02 2.10E-02 1.95E-02
1.53E-02 7.60E-03 7.47E-04
    0.425   2.27E-02 2.26E-02 2.25E-02 2.20E-02 2.04E-02
1.59E-02 7.93E-03 7.76E-04
    0.450   2.36E-02 2.35E-02 2.33E-02 2.27E-02 2.11E-02
1.65E-02 8.19E-03 8.07E-04
    0.475   2.42E-02 2.42E-02 2.40E-02 2.34E-02 2.19E-02
1.71E-02 8.42E-03 8.39E-04
    0.500   2.55E-02 2.55E-02 2.53E-02 2.47E-02 2.30E-02
1.78E-02 8.78E-03 8.70E-04
    0.525   2.67E-02 2.66E-02 2.64E-02 2.57E-02 2.38E-02
1.85E-02 9.18E-03 9.07E-04
    0.550   2.74E-02 2.73E-02 2.71E-02 2.64E-02 2.46E-02
1.92E-02 9.60E-03 9.58E-04
    0.575   2.87E-02 2.86E-02 2.85E-02 2.78E-02 2.59E-02
2.03E-02 1.00E-02 1.01E-03
    0.600   3.01E-02 3.00E-02 2.98E-02 2.91E-02 2.71E-02
2.11E-02 1.06E-02 1.06E-03
    0.625   3.16E-02 3.15E-02 3.13E-02 3.05E-02 2.85E-02
2.22E-02 1.11E-02 1.15E-03
    0.650   3.26E-02 3.24E-02 3.22E-02 3.14E-02 2.93E-02
2.31E-02 1.17E-02 1.22E-03
    0.675   3.45E-02 3.43E-02 3.41E-02 3.32E-02 3.09E-02
2.39E-02 1.22E-02 1.28E-03
    0.700   3.60E-02 3.59E-02 3.56E-02 3.48E-02 3.24E-02
2.55E-02 1.28E-02 1.39E-03
    0.725   3.81E-02 3.79E-02 3.77E-02 3.68E-02 3.44E-02
2.70E-02 1.38E-02 1.49E-03
    0.750   4.06E-02 4.04E-02 4.01E-02 3.91E-02 3.66E-02
2.88E-02 1.47E-02 1.59E-03
    0.775   4.39E-02 4.37E-02 4.34E-02 4.23E-02 3.94E-02
3.10E-02 1.58E-02 1.75E-03
    0.800   4.72E-02 4.70E-02 4.66E-02 4.56E-02 4.26E-02
3.35E-02 1.72E-02 1.92E-03
    0.825   5.10E-02 5.08E-02 5.04E-02 4.90E-02 4.56E-02
3.61E-02 1.86E-02 2.14E-03
    0.850   5.48E-02 5.46E-02 5.42E-02 5.28E-02 4.92E-02
3.90E-02 2.02E-02 2.36E-03
    0.875   6.18E-02 6.16E-02 6.12E-02 5.96E-02 5.57E-02
4.42E-02 2.25E-02 2.68E-03
    0.900   7.12E-02 7.10E-02 7.06E-02 6.90E-02 6.48E-02

5.15E-02 2.69E-02 3.10E-03
    0.925   8.36E-02 8.33E-02 8.28E-02 8.09E-02 7.59E-02
6.02E-02 3.18E-02 3.73E-03
    0.950   9.61E-02 9.57E-02 9.50E-02 9.26E-02 8.64E-02
6.87E-02 3.67E-02 4.63E-03
    0.975   1.29E-01 1.28E-01 1.27E-01 1.24E-01 1.16E-01
9.32E-02 5.11E-02 6.54E-03
    1.000   4.23E-01 4.22E-01 4.19E-01 4.10E-01 3.87E-01
3.14E-01 1.76E-01 2.45E-02
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 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil   File:
RSCSSP_Probability.RAD
                    Summary of dose at graphical times, reptition 1
   Time   Dose statistics at graphical times, mrem/yr
   Years   Minimum   Maximum   Mean   Median   90%   95%
97.5%   99%
 ÄÄÄÄÄÄÄÄÄ   ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
 0.00E+00   8.03E-03 4.23E-01 3.65E-02 2.55E-02 7.12E-02 9.60E-
02 1.29E-01 2.14E-01
 1.00E+00   8.00E-03 4.22E-01 3.64E-02 2.54E-02 7.10E-02 9.57E-
02 1.28E-01 2.13E-01
 1.30E+00   7.99E-03 4.21E-01 3.64E-02 2.54E-02 7.09E-02 9.56E-
02 1.28E-01 2.13E-01
 1.70E+00   7.98E-03 4.21E-01 3.63E-02 2.54E-02 7.08E-02 9.54E-
02 1.28E-01 2.13E-01
 2.22E+00   7.97E-03 4.20E-01 3.62E-02 2.53E-02 7.07E-02 9.53E-
02 1.28E-01 2.13E-01
 2.89E+00   7.95E-03 4.19E-01 3.62E-02 2.53E-02 7.06E-02 9.50E-
02 1.27E-01 2.12E-01
 3.00E+00   7.94E-03 4.19E-01 3.61E-02 2.53E-02 7.06E-02 9.50E-
02 1.27E-01 2.12E-01
 3.78E+00   7.92E-03 4.18E-01 3.60E-02 2.52E-02 7.04E-02 9.47E-
02 1.27E-01 2.12E-01
 4.92E+00   7.89E-03 4.17E-01 3.59E-02 2.51E-02 7.01E-02 9.43E-
02 1.27E-01 2.11E-01
 6.42E+00   7.85E-03 4.15E-01 3.57E-02 2.50E-02 6.98E-02 9.38E-
02 1.26E-01 2.10E-01
 8.38E+00   7.79E-03 4.12E-01 3.55E-02 2.48E-02 6.94E-02 9.31E-
02 1.25E-01 2.09E-01
 1.00E+01   7.74E-03 4.10E-01 3.53E-02 2.46E-02 6.90E-02 9.26E-
02 1.24E-01 2.08E-01
 1.09E+01   7.72E-03 4.09E-01 3.52E-02 2.46E-02 6.88E-02 9.23E-
02 1.24E-01 2.07E-01
 1.43E+01   7.63E-03 4.05E-01 3.48E-02 2.43E-02 6.81E-02 9.12E-
02 1.23E-01 2.05E-01
 1.86E+01   7.51E-03 4.00E-01 3.43E-02 2.39E-02 6.72E-02 8.97E-
02 1.21E-01 2.02E-01
 2.42E+01   7.35E-03 3.93E-01 3.36E-02 2.35E-02 6.60E-02 8.81E-
02 1.19E-01 1.99E-01
 3.00E+01   7.20E-03 3.87E-01 3.29E-02 2.30E-02 6.48E-02 8.64E-
02 1.16E-01 1.95E-01
 3.16E+01   7.16E-03 3.85E-01 3.28E-02 2.28E-02 6.45E-02 8.59E-
02 1.16E-01 1.94E-01
 4.12E+01   6.91E-03 3.74E-01 3.17E-02 2.20E-02 6.26E-02 8.34E-

```
02  1.12E-01  1.89E-01
 5.38E+01      6.60E-03  3.60E-01  3.04E-02  2.11E-02  6.02E-02  8.02E-
02  1.08E-01  1.82E-01
 7.02E+01      6.22E-03  3.43E-01  2.87E-02  1.98E-02  5.69E-02  7.63E-
02  1.02E-01  1.73E-01
 9.15E+01      5.76E-03  3.22E-01  2.67E-02  1.84E-02  5.29E-02  7.06E-
02  9.60E-02  1.62E-01
 1.00E+02      5.59E-03  3.14E-01  2.59E-02  1.78E-02  5.15E-02  6.87E-
02  9.35E-02  1.58E-01
 1.19E+02      5.21E-03  2.97E-01  2.43E-02  1.65E-02  4.82E-02  6.45E-
02  8.80E-02  1.50E-01
 1.56E+02      4.57E-03  2.67E-01  2.15E-02  1.45E-02  4.28E-02  5.76E-
02  7.87E-02  1.34E-01
 2.03E+02      3.86E-03  2.32E-01  1.84E-02  1.24E-02  3.66E-02  4.96E-
02  6.83E-02  1.17E-01
 2.65E+02      3.10E-03  1.95E-01  1.50E-02  9.91E-03  2.99E-02  4.08E-
02  5.69E-02  9.77E-02
 3.00E+02      2.73E-03  1.76E-01  1.34E-02  8.78E-03  2.69E-02  3.67E-
02  5.13E-02  8.83E-02
 3.46E+02      2.33E-03  1.55E-01  1.15E-02  7.50E-03  2.33E-02  3.19E-
02  4.47E-02  7.75E-02
 4.51E+02      1.61E-03  1.15E-01  8.25E-03  5.29E-03  1.67E-02  2.35E-
02  3.25E-02  5.75E-02
 5.88E+02      1.00E-03  7.85E-02  5.37E-03  3.34E-03  1.10E-02  1.55E-
02  2.19E-02  3.91E-02
 7.67E+02      5.41E-04  4.76E-02  3.09E-03  1.86E-03  6.40E-03  9.15E-
03  1.32E-02  2.37E-02
 1.00E+03      2.42E-04  2.45E-02  1.51E-03  8.70E-04  3.10E-03  4.63E-
03  6.74E-03  1.21E-02
 ÍÍÍÍÍÍÍÍ      ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ
ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ
1RESRAD, Version 6.3      T« Limit = 180 days        03/02/2006  13:04
Page  20
 Probabilistic results summary : Probabilistic Resident Child Surface
Soil Am&Pu
  - Ash Pits West Excavation Soil                   File:
RSCSSP_Probability.RAD
                    Peak of the mean dose (averaged over observations)
at graphical times
 Repetition     Time of peak mean dose     Peak mean dose
                         Years                mrem/yr
          1            0.000E+00             3.652E-02
1 RESRAD Regression and Correlation output  03/02/06 13:14 Page: Coef
1
 Title      : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits
West Excavation Soils
 Input File : RSCSSP_Probability.RAD

_____
____

  Coefficients for peak of mean dose time Dose
         Coefficient  =
PCC       SRC      PRCC      SRRC
          Repetition  =
1         1         1         1

_____
_____
 Description of Probabilistic Variable
```

Sig Coeff Sig Coeff Sig Coeff Sig Coeff

Description of Probabilistic Variable								
Indoor time fraction								
4	0.59	4	0.09	3	0.30	3	0.13	
Outdoor time fraction								
6	0.17	6	0.02	6	0.09	6	0.04	
Fruit, vegetable, and grain consumption								
2	0.94	2	0.35	2	0.77	2	0.49	
Leafy vegetable consumption								
3	0.62	3	0.10	4	0.18	4	0.07	
Inhalation rate								
8	0.02	8	0.00	5	0.10	5	0.04	
Mass loading for inhalation								
5	0.17	5	0.02	7	0.09	7	0.04	
Mass loading for foliar deposition								
7	0.07	7	0.01	8	0.00	8	0.00	
Soil ingestion								
1	0.99	1	0.92	1	0.88	1	0.76	

R-SQUARE			
0.98	0.98	0.84	0.84

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/02/06 13:14 Page: Coef 2
Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak All Pathways Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable								
Sig Coeff Sig Coeff Sig Coeff Sig Coeff								
Indoor time fraction								
4	0.59	4	0.09	3	0.30	3	0.13	
Outdoor time fraction								

6 0.17   6 0.02   6 0.09   6 0.04
 Fruit, vegetable, and grain consumption
2 0.94   2 0.35   2 0.77   2 0.49
 Leafy vegetable consumption
3 0.62   3 0.10   4 0.18   4 0.07
 Inhalation rate
8 0.02   8 0.00   5 0.10   5 0.04
 Mass loading for inhalation
5 0.17   5 0.02   7 0.09   7 0.04
 Mass loading for foliar deposition
7 0.07   7 0.01   8 0.00   8 0.00
 Soil ingestion
1 0.99   1 0.92   1 0.88   1 0.76

 R-SQUARE
0.98   0.98   0.84   0.84

 -Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/02/06 13:14 Page: Coef 3
 Title   : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
 Input File : RSCSSP_Probability.RAD

  Coefficients for peak External Ground Dose
         Coefficient =
PCC   SRC   PRCC   SRRC
          Repetition =
1   1   1   1

 Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

 Indoor time fraction
1 1.00   1 0.92   1 0.99   1 0.92
 Outdoor time fraction
2 1.00   2 0.41   2 0.94   2 0.39
 Fruit, vegetable, and grain consumption
6 0.01   6 0.00   6 0.00   6 0.00
 Leafy vegetable consumption
7 -0.01   7 0.00   5 0.02   5 0.00
 Inhalation rate
3 -0.03   3 0.00   3 0.03   3 0.00

Mass loading for inhalation							
4	-0.01	4	0.00	4	0.02	4	0.00
Mass loading for foliar deposition							
8	0.00	8	0.00	7	0.00	7	0.00
Soil ingestion							
5	0.01	5	0.00	8	0.00	8	0.00

R-SQUARE			
1.00	1.00	0.98	0.98

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/02/06 13:14 Page: Coef 4
Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Inhalation Particles Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Indoor time fraction								
3	0.46	3	0.14	3	0.50	3	0.20	
Outdoor time fraction								
4	0.13	4	0.04	4	0.10	4	0.04	
Fruit, vegetable, and grain consumption								
6	0.02	6	0.01	5	-0.04	5	-0.02	
Leafy vegetable consumption								
7	0.02	7	0.01	7	0.02	7	0.01	
Inhalation rate								
2	0.80	2	0.36	2	0.85	2	0.57	
Mass loading for inhalation								
1	0.96	1	0.89	1	0.90	1	0.71	
Mass loading for foliar deposition								
5	-0.04	5	-0.01	6	-0.02	6	-0.01	
Soil ingestion								
8	0.01	8	0.00	8	-0.01	8	0.00	

R-SQUARE				
0.93	0.93	0.88	0.88	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Radon (WaterInd.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Fruit, vegetable, and grain consumption	0	0.00	0	0.00	0	0.00	0	0.00
Leafy vegetable consumption	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for foliar deposition	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00

R-SQUARE				
0.00	0.00	0.00	0.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Plant (WaterInd.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Indoor time fraction	7	-0.02	7	0.00	7	-0.02	7	0.00
Outdoor time fraction	5	0.04	5	0.00	3	-0.04	3	-0.01
Fruit, vegetable, and grain consumption	1	1.00	1	0.97	1	0.97	1	0.95
Leafy vegetable consumption	2	1.00	2	0.27	2	0.60	2	0.19
Inhalation rate	4	0.06	4	0.00	8	0.01	8	0.00
Mass loading for inhalation	6	-0.03	6	0.00	4	-0.03	4	-0.01
Mass loading for foliar deposition	3	0.68	3	0.00	6	0.03	6	0.01
Soil ingestion	8	0.01	8	0.00	5	0.03	5	0.01

R-SQUARE				
1.00	1.00	0.94	0.94	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Meat (WaterInd.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Fruit, vegetable, and grain consumption	0	0.00	0	0.00	0	0.00	0	0.00
Leafy vegetable consumption	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for foliar deposition	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00

R-SQUARE				
0.00	0.00	0.00	0.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Milk (WaterInd.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Indoor time fraction				
0 0.00	0 0.00	0 0.00	0 0.00	
Outdoor time fraction				
0 0.00	0 0.00	0 0.00	0 0.00	
Fruit, vegetable, and grain consumption				
0 0.00	0 0.00	0 0.00	0 0.00	
Leafy vegetable consumption				
0 0.00	0 0.00	0 0.00	0 0.00	
Inhalation rate				
0 0.00	0 0.00	0 0.00	0 0.00	
Mass loading for inhalation				
0 0.00	0 0.00	0 0.00	0 0.00	
Mass loading for foliar deposition				
0 0.00	0 0.00	0 0.00	0 0.00	
Soil ingestion				
0 0.00	0 0.00	0 0.00	0 0.00	

R-SQUARE			
0.00	0.00	0.00	0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Soil Ingestion Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Indoor time fraction	2 0.50	2 0.08	2 0.93	2 0.10
Outdoor time fraction	3 0.11	3 0.01	3 0.40	3 0.02
Fruit, vegetable, and grain consumption	8 -0.01	8 0.00	5 0.02	5 0.00
Leafy vegetable consumption	7 0.02	7 0.00	6 -0.01	6 0.00
Inhalation rate	5 -0.06	5 -0.01	4 0.03	4 0.00
Mass loading for inhalation	6 -0.02	6 0.00	8 0.01	8 0.00
Mass loading for foliar deposition	4 0.08	4 0.01	7 -0.01	7 0.00
Soil ingestion	1 0.99	1 0.99	1 1.00	1 0.99

R-SQUARE			
0.98	0.98	1.00	1.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/02/06 13:14 Page: Coef 10
Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Water Ingestion Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff

Indoor time fraction							
0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction							
0	0.00	0	0.00	0	0.00	0	0.00
Fruit, vegetable, and grain consumption							
0	0.00	0	0.00	0	0.00	0	0.00
Leafy vegetable consumption							
0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate							
0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation							
0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for foliar deposition							
0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion							
0	0.00	0	0.00	0	0.00	0	0.00

R-SQUARE			
0.00	0.00	0.00	0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/02/06 13:14 Page: Coef 11
Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Fish Ingestion Dose

	Coefficient =		
PCC	SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable				
Sig	Coeff	Sig Coeff	Sig Coeff	Sig Coeff

Indoor time fraction							
0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction							
0	0.00	0	0.00	0	0.00	0	0.00
Fruit, vegetable, and grain consumption							
0	0.00	0	0.00	0	0.00	0	0.00

Leafy vegetable consumption
0 0.00 0 0.00 0 0.00 0 0.00
Inhalation rate
0 0.00 0 0.00 0 0.00 0 0.00
Mass loading for inhalation
0 0.00 0 0.00 0 0.00 0 0.00
Mass loading for foliar deposition
0 0.00 0 0.00 0 0.00 0 0.00
Soil ingestion
0 0.00 0 0.00 0 0.00 0 0.00

R-SQUARE
0.00 0.00 0.00 0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Radon (WaterDep.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

Indoor time fraction
0 0.00 0 0.00 0 0.00 0 0.00
Outdoor time fraction
0 0.00 0 0.00 0 0.00 0 0.00
Fruit, vegetable, and grain consumption
0 0.00 0 0.00 0 0.00 0 0.00
Leafy vegetable consumption
0 0.00 0 0.00 0 0.00 0 0.00
Inhalation rate
0 0.00 0 0.00 0 0.00 0 0.00
Mass loading for inhalation
0 0.00 0 0.00 0 0.00 0 0.00
Mass loading for foliar deposition

0 0.00   0 0.00   0 0.00   0 0.00
 Soil ingestion
0 0.00   0 0.00   0 0.00   0 0.00

 R-SQUARE
0.00   0.00   0.00   0.00

 -Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on the independent variables.

 Title   : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
 Input File : RSCSSP_Probability.RAD

  Coefficients for peak Plant (WaterDep.) Dose
         Coefficient =
PCC   SRC   PRCC   SRRC
          Repetition =
1   1   1   1

 Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

 Indoor time fraction
0 0.00   0 0.00   0 0.00   0 0.00
 Outdoor time fraction
0 0.00   0 0.00   0 0.00   0 0.00
 Fruit, vegetable, and grain consumption
0 0.00   0 0.00   0 0.00   0 0.00
 Leafy vegetable consumption
0 0.00   0 0.00   0 0.00   0 0.00
 Inhalation rate
0 0.00   0 0.00   0 0.00   0 0.00
 Mass loading for inhalation
0 0.00   0 0.00   0 0.00   0 0.00
 Mass loading for foliar deposition
0 0.00   0 0.00   0 0.00   0 0.00
 Soil ingestion
0 0.00   0 0.00   0 0.00   0 0.00

 R-SQUARE

0.00 0.00 0.00 0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
Input File : RSCSSP_Probability.RAD

Coefficients for peak Meat (WaterDep.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Indoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Fruit, vegetable, and grain consumption	0 0.00	0 0.00	0 0.00	0 0.00
Leafy vegetable consumption	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for foliar deposition	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00

R-SQUARE			
0.00	0.00	0.00	0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of

determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on the independent variables.

 Title   : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
 Input File : RSCSSP_Probability.RAD

  Coefficients for peak Milk (WaterDep.) Dose
         Coefficient =
PCC   SRC   PRCC   SRRC
          Repetition =
1   1   1   1

 Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

 Indoor time fraction
0 0.00   0 0.00   0 0.00   0 0.00
 Outdoor time fraction
0 0.00   0 0.00   0 0.00   0 0.00
 Fruit, vegetable, and grain consumption
0 0.00   0 0.00   0 0.00   0 0.00
 Leafy vegetable consumption
0 0.00   0 0.00   0 0.00   0 0.00
 Inhalation rate
0 0.00   0 0.00   0 0.00   0 0.00
 Mass loading for inhalation
0 0.00   0 0.00   0 0.00   0 0.00
 Mass loading for foliar deposition
0 0.00   0 0.00   0 0.00   0 0.00
 Soil ingestion
0 0.00   0 0.00   0 0.00   0 0.00

 R-SQUARE
0.00   0.00   0.00   0.00

 -Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on the independent variables.

 Title   : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits

West Excavation Soils
 Input File : RSCSSP_Probability.RAD

  Coefficients for peak Am-241 Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Indoor time fraction	4 0.70	4 0.09	3 0.29	3 0.13
Outdoor time fraction	5 0.27	5 0.03	5 0.10	5 0.04
Fruit, vegetable, and grain consumption	1 0.99	1 0.69	1 0.85	1 0.69
Leafy vegetable consumption	3 0.90	3 0.19	4 0.26	4 0.11
Inhalation rate	8 0.02	8 0.00	6 0.05	6 0.02
Mass loading for inhalation	6 0.18	6 0.02	7 0.03	7 0.01
Mass loading for foliar deposition	7 0.07	7 0.01	8 0.02	8 0.01
Soil ingestion	2 0.99	2 0.68	2 0.79	2 0.56

R-SQUARE			
0.99	0.99	0.82	0.82

 -Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/02/06 13:14 Page: Coef 17
 Title   : Probabilistic Resident Child Surface Soil Am&Pu - Ash Pits West Excavation Soils
 Input File : RSCSSP_Probability.RAD

  Coefficients for peak Pu-239 Dose

	Coefficient =		
PCC	SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable								
Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Indoor time fraction								
2	0.52	2	0.08	3	0.48	3	0.11	
Outdoor time fraction								
6	0.12	6	0.02	6	0.09	6	0.02	
Fruit, vegetable, and grain consumption								
3	0.34	3	0.05	2	0.51	2	0.12	
Leafy vegetable consumption								
5	0.12	5	0.02	7	0.07	7	0.01	
Inhalation rate								
8	0.02	8	0.00	5	0.23	5	0.05	
Mass loading for inhalation								
4	0.17	4	0.02	4	0.34	4	0.07	
Mass loading for foliar deposition								
7	0.07	7	0.01	8	-0.03	8	-0.01	
Soil ingestion								
1	0.99	1	0.99	1	0.98	1	0.96	

R-SQUARE			
0.98	0.98	0.96	0.96

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Probabilistic results summary : Probabilistic Resident Child Surface Soil U - A-
sh Pits West Excavation Soils File: RSCSSU_Probability.RAD

Random Seed = 1000

Number of Variables = 9

Number of Observations = 1000

The sample input vectors will be printed along with their corresponding ranks.

The correlation matrices (raw data and rank correlations) will be printed.

Number	Label	and Description of Variable	DISTRIBUTION	Range	Parameters
1	FIND	Indoor time fraction	TRIANGULAR	from 0.408 to 0.815	with MODE = 0.545
2	FOTD	Outdoor time fraction	TRIANGULAR	from 7.200E-02 to 0.144	with MODE = 9.600E-02
3	DIET(1)	Fruit, vegetable, and grain co	LOGNORMAL-N		with MU = 2.02 and SIGMA = 1.04
4	DIET(2)	Leafy vegetable consumption	LOGNORMAL-N		with MU = -1.12 and SIGMA = 1.77
5	INHALR	Inhalation rate	LOGNORMAL-N		with MU = 8.08 and SIGMA = 0.305
6	MLINH	Mass loading for inhalation			

CONTINUOUS LINEAR Distribution with 8 points

X(1) =	1.000E-05	CUM PROB(1) =	0.00
X(2) =	2.020E-05	CUM PROB(2) =	0.338
X(3) =	2.310E-05	CUM PROB(3) =	0.788
X(4) =	5.070E-05	CUM PROB(4) =	0.919
X(5) =	5.800E-05	CUM PROB(5) =	0.944
X(6) =	9.570E-05	CUM PROB(6) =	0.969
X(7) =	1.090E-04	CUM PROB(7) =	0.994
X(8) =	2.000E-04	CUM PROB(8) =	1.00

7	MLFD	Mass loading for foliar deposi	

CONTINUOUS LINEAR Distribution with 8 points

X(1) =	2.500E-05	CUM PROB(1) =	0.00
X(2) =	5.050E-05	CUM PROB(2) =	0.338
X(3) =	5.770E-05	CUM PROB(3) =	0.788
X(4) =	1.270E-04	CUM PROB(4) =	0.919
X(5) =	1.450E-04	CUM PROB(5) =	0.944
X(6) =	2.390E-04	CUM PROB(6) =	0.969

X(7) = 2.740E-04 CUM PROB(7) = 0.994
X(8) = 5.000E-04 CUM PROB(8) = 1.00

8 SOIL Soil ingestion
BOUNDED LOGNORMAL-N from 1.00 to 365. with MU = 1.91 and SIGMA = 1.37

9 BRTF(92,1) Plant transfer factor for U
LOGNORMAL-N with MU = -6.84 and SIGMA = 1.09

Latin Hypercube Sample Input

0

LATIN HYPERCUBE SAMPLE INPUT VECTORS

RUN NO.	X(1)	X(2)	X(3)	X(4)	X(5)	X(6)	X(7)	X(8)	X(9)
1	0.454	9.583E-02	10.7	0.104	5.384E+03	2.198E-05	3.685E-05	3.27	5.407E-04
2	0.669	9.408E-02	9.59	1.46	2.722E+03	2.076E-05	3.331E-05	2.13	2.402E-03
3	0.570	0.126	3.96	0.859	3.598E+03	1.299E-05	5.700E-05	2.43	6.145E-05
4	0.626	0.112	21.5	1.802E-02	3.066E+03	2.110E-05	5.522E-05	5.53	4.610E-04
5	0.771	0.115	7.99	0.575	2.976E+03	2.693E-05	2.709E-05	7.77	3.340E-04
6	0.535	9.413E-02	9.50	3.868E-02	2.638E+03	9.204E-05	5.061E-05	1.09	4.686E-03
7	0.629	0.104	11.5	1.479E-02	3.167E+03	1.026E-05	5.199E-05	3.55	6.546E-04
8	0.632	0.103	2.10	5.336E-02	3.831E+03	1.841E-05	5.258E-05	35.1	9.787E-04
9	0.496	0.103	17.4	0.841	5.428E+03	2.189E-05	5.224E-05	9.87	1.043E-03
10	0.782	0.132	16.5	0.400	2.372E+03	1.495E-04	3.822E-05	17.4	2.583E-04
11	0.491	9.689E-02	2.66	1.74	1.908E+03	2.155E-05	3.081E-05	37.3	4.840E-03
12	0.742	0.102	25.7	8.36	3.386E+03	4.080E-05	5.339E-05	3.78	1.820E-03
13	0.601	9.232E-02	4.65	4.595E-02	3.671E+03	2.088E-05	3.318E-05	196.	5.058E-04
14	0.763	0.122	2.74	0.721	3.260E+03	1.779E-05	5.136E-05	5.97	1.474E-04
15	0.444	0.119	8.40	2.33	2.427E+03	2.308E-05	2.872E-05	2.08	1.771E-04

16	0.537	0.108	33.8	3.670E-02	3.012E+03	1.416E-05	5.696E-05
171.	3.445E-03						
17	0.649	9.377E-02	26.4	0.406	3.501E+03	5.551E-05	6.457E-05
8.53	1.629E-03						
18	0.618	9.358E-02	3.78	0.103	4.036E+03	1.315E-05	5.342E-05
11.2	1.251E-03						
19	0.607	0.142	130.	0.169	4.491E+03	1.754E-05	5.386E-05
20.9	2.578E-04						
20	0.536	8.981E-02	2.18	7.654E-02	2.403E+03	1.887E-05	2.716E-05
25.2	3.588E-03						
21	0.650	9.534E-02	2.67	0.427	2.996E+03	2.089E-05	5.300E-05
26.7	3.794E-04						
22	0.585	0.103	1.56	4.420E-02	5.839E+03	1.557E-05	1.095E-04
107.	4.876E-04						
23	0.535	9.858E-02	1.81	3.82	3.399E+03	2.036E-05	5.601E-05
27.3	6.826E-04						
24	0.731	0.115	1.91	1.12	2.367E+03	2.141E-05	5.481E-05
3.85	2.301E-04						
25	0.639	9.789E-02	2.52	8.916E-02	2.094E+03	3.203E-05	4.519E-05
89.0	4.074E-03						
26	0.544	9.308E-02	10.5	5.31	3.068E+03	4.063E-05	5.332E-05
7.01	1.089E-02						
27	0.446	9.162E-02	4.03	0.457	3.290E+03	1.614E-05	5.517E-05
24.4	6.497E-04						
28	0.635	8.170E-02	7.73	0.465	2.746E+03	2.198E-05	4.505E-05
2.19	1.432E-03						
29	0.537	9.312E-02	15.4	2.430E-02	2.759E+03	2.264E-05	2.572E-05
63.6	6.611E-04						
30	0.545	0.135	4.33	23.9	3.314E+03	2.158E-05	5.068E-05
24.6	1.394E-03						
31	0.619	0.109	14.9	9.562E-02	2.276E+03	2.086E-05	5.534E-05
7.45	7.674E-04						
32	0.627	0.109	8.71	3.778E-02	2.116E+03	2.302E-05	2.843E-05
31.3	3.157E-03						
33	0.477	9.989E-02	1.63	6.240E-03	5.560E+03	1.309E-05	4.599E-05
3.37	2.701E-04						
34	0.542	0.134	69.5	0.396	2.965E+03	2.260E-05	4.145E-05
22.1	1.019E-03						
35	0.643	9.155E-02	4.90	4.40	3.823E+03	2.041E-05	2.558E-05
14.3	4.272E-04						
36	0.599	0.125	17.5	0.234	2.320E+03	1.898E-05	2.993E-05
3.83	5.152E-04						
37	0.714	8.905E-02	12.0	8.255E-03	2.254E+03	2.728E-05	5.622E-05
6.71	1.206E-03						
38	0.655	0.120	32.4	8.997E-03	3.042E+03	2.194E-05	5.063E-05
9.53	6.316E-04						
39	0.623	0.129	2.49	9.456E-02	2.583E+03	1.740E-05	9.339E-05
3.63	9.240E-04						
40	0.671	0.112	13.6	0.187	3.382E+03	2.046E-05	5.538E-05
1.14	9.928E-04						
41	0.572	0.105	4.27	1.119E-02	4.129E+03	2.115E-05	5.760E-05
8.46	3.691E-04						
42	0.562	7.838E-02	18.7	0.699	2.504E+03	1.590E-05	5.371E-05
1.61	2.356E-04						
43	0.638	0.107	18.0	7.454E-02	3.176E+03	1.189E-05	5.468E-05
2.94	8.989E-04						
44	0.651	0.125	17.6	0.827	3.641E+03	1.893E-05	3.612E-05
13.8	7.050E-04						
45	0.571	0.130	33.6	0.813	4.488E+03	4.908E-05	5.458E-05
4.63	2.928E-04						

46	0.640	9.120E-02	3.91	0.845	3.652E+03	2.281E-05	5.216E-05
10.8	6.962E-03						
47	0.635	8.030E-02	46.2	8.072E-02	1.521E+03	1.485E-05	5.448E-05
10.2	1.117E-03						
48	0.733	0.127	3.12	0.472	2.516E+03	1.085E-05	5.281E-05
4.94	1.095E-03						
49	0.582	0.137	1.87	15.1	2.580E+03	5.673E-05	5.540E-05
11.1	5.279E-04						
50	0.710	9.851E-02	0.798	0.395	4.773E+03	2.096E-05	4.023E-04
1.78	3.841E-04						
51	0.586	0.102	15.4	3.78	4.391E+03	2.241E-05	5.535E-05
8.03	7.587E-04						
52	0.551	9.628E-02	3.85	0.244	2.642E+03	1.980E-05	5.709E-05
1.10	2.321E-03						
53	0.498	8.435E-02	1.48	78.5	4.944E+03	2.184E-05	4.102E-05
2.46	1.846E-04						
54	0.632	9.266E-02	5.90	0.202	2.194E+03	2.043E-05	5.291E-05
7.69	7.766E-03						
55	0.527	0.110	13.3	6.030E-02	2.553E+03	1.933E-05	3.289E-05
1.74	3.421E-03						
56	0.494	0.127	7.61	4.094E-02	2.248E+03	1.138E-04	2.422E-04
3.88	4.253E-04						
57	0.572	0.105	10.3	1.529E-02	3.988E+03	2.069E-05	2.567E-05
15.3	3.417E-04						
58	0.551	7.590E-02	9.45	0.181	5.544E+03	2.006E-05	5.590E-05
12.3	1.555E-03						
59	0.623	8.852E-02	22.8	4.277E-02	3.709E+03	1.087E-04	9.709E-05
13.0	2.052E-03						
60	0.610	0.108	20.8	0.759	3.891E+03	2.135E-05	5.363E-05
8.36	1.147E-03						
61	0.554	0.116	10.4	0.228	3.105E+03	2.189E-05	4.840E-05
8.43	1.429E-03						
62	0.625	0.113	3.61	0.167	2.683E+03	4.963E-05	1.072E-04
37.8	8.368E-04						
63	0.644	9.888E-02	2.65	2.96	5.321E+03	2.458E-05	8.470E-05
29.5	6.760E-04						
64	0.607	0.129	2.99	0.265	5.847E+03	3.269E-05	1.431E-04
83.1	1.150E-03						
65	0.643	9.451E-02	3.44	9.984E-02	4.170E+03	1.873E-05	5.507E-05
8.94	2.797E-04						
66	0.595	9.127E-02	19.1	0.803	2.610E+03	2.234E-05	5.613E-05
16.7	4.189E-04						
67	0.609	7.335E-02	8.42	0.339	2.845E+03	2.210E-05	5.225E-05
24.9	1.493E-03						
68	0.747	0.101	5.58	1.54	3.251E+03	2.057E-05	8.927E-05
2.80	2.787E-04						
69	0.633	0.100	11.6	0.948	3.506E+03	4.993E-05	2.727E-04
9.48	1.101E-03						
70	0.442	0.136	0.924	4.813E-03	3.039E+03	2.104E-05	6.291E-05
1.58	2.085E-02						
71	0.676	0.111	1.10	0.129	3.333E+03	4.821E-05	5.671E-05
1.69	6.420E-04						
72	0.558	0.109	33.2	0.175	3.529E+03	2.139E-05	5.569E-05
5.03	7.819E-04						
73	0.637	8.612E-02	12.1	0.184	5.162E+03	1.837E-05	5.222E-05
24.1	3.288E-04						
74	0.720	0.101	0.563	0.596	1.996E+03	2.107E-05	5.334E-05
11.6	2.170E-03						
75	0.671	8.916E-02	2.57	0.162	2.005E+03	1.404E-05	3.103E-05
23.8	2.830E-03						

76	0.683	9.226E-02	8.46	0.317	4.687E+03	2.301E-05	5.179E-05	2.00	3.050E-04
77	0.631	0.104	7.81	3.422E-02	3.895E+03	2.063E-05	5.160E-05	17.5	2.835E-04
78	0.626	0.110	34.3	0.452	3.293E+03	2.094E-05	3.585E-05	15.8	1.357E-02
79	0.542	0.107	3.62	3.25	3.421E+03	1.009E-04	4.219E-05	1.63	1.970E-03
80	0.632	7.862E-02	5.01	0.229	2.328E+03	2.033E-05	2.470E-04	3.46	3.888E-04
81	0.735	8.137E-02	13.9	0.210	2.470E+03	2.293E-05	3.541E-05	3.21	1.172E-03
82	0.645	0.102	6.38	0.149	4.037E+03	2.207E-05	4.544E-05	3.29	7.839E-03
83	0.547	7.808E-02	16.3	0.337	3.287E+03	2.158E-05	3.014E-05	9.17	6.237E-04
84	0.689	0.113	25.8	0.322	2.221E+03	2.039E-05	1.565E-04	1.06	4.419E-05
85	0.691	0.138	4.05	1.64	2.905E+03	2.827E-05	7.907E-05	33.0	1.608E-03
86	0.463	7.830E-02	2.14	0.246	3.210E+03	2.119E-05	3.447E-05	8.90	9.972E-04
87	0.570	7.686E-02	14.5	1.28	2.894E+03	2.222E-05	5.010E-05	1.64	4.779E-04
88	0.557	9.219E-02	1.43	6.219E-02	3.064E+03	1.529E-05	3.423E-05	19.0	3.506E-04
89	0.531	0.115	4.13	0.216	3.099E+03	1.787E-05	3.472E-05	1.21	2.534E-03
90	0.629	0.129	8.06	0.430	4.859E+03	1.068E-05	3.229E-05	13.1	6.190E-04
91	0.573	9.005E-02	30.4	0.455	4.176E+03	2.111E-05	5.240E-05	50.8	6.474E-03
92	0.575	9.559E-02	5.35	3.324E-02	4.264E+03	2.270E-05	9.378E-05	2.85	9.694E-05
93	0.534	0.108	15.6	0.983	3.678E+03	2.064E-05	5.480E-05	11.1	8.134E-04
94	0.556	8.580E-02	12.1	1.82	2.136E+03	1.203E-05	2.866E-05	5.15	6.619E-03
95	0.616	0.106	12.7	0.639	1.662E+03	2.115E-05	3.081E-05	50.1	7.508E-04
96	0.495	0.104	42.0	2.937E-02	2.822E+03	2.250E-05	1.164E-04	12.0	1.110E-03
97	0.540	0.102	13.2	0.500	2.206E+03	2.132E-05	5.442E-05	4.71	1.721E-03
98	0.741	9.650E-02	5.05	2.305E-02	2.811E+03	2.310E-05	5.056E-05	9.28	3.573E-03
99	0.493	8.842E-02	16.1	0.282	3.365E+03	1.654E-05	5.360E-05	4.18	8.559E-04
100	0.530	9.971E-02	5.55	6.474E-02	2.055E+03	1.017E-05	4.304E-05	11.8	1.373E-03
101	0.552	8.037E-02	16.5	0.385	4.334E+03	1.694E-05	3.496E-05	2.42	7.929E-04
102	0.483	0.112	7.37	0.357	2.483E+03	1.435E-05	6.877E-05	13.3	1.575E-03
103	0.421	0.134	8.68	2.965E-02	3.634E+03	2.144E-05	5.577E-05	6.76	1.348E-03
104	0.555	8.550E-02	1.74	1.80	3.756E+03	4.474E-05	6.480E-05	40.9	2.737E-03
105	0.574	0.101	15.5	0.191	3.086E+03	1.829E-05	5.262E-05	3.61	6.406E-04

106	0.651	9.348E-02	14.6	3.61	4.465E+03	1.852E-05	5.153E-05	3.42	5.541E-04
107	0.499	8.983E-02	3.25	6.519E-02	3.240E+03	2.243E-05	1.420E-04	32.9	4.249E-03
108	0.646	9.980E-02	13.5	0.436	4.303E+03	1.984E-05	4.571E-05	4.97	8.109E-04
109	0.530	9.071E-02	15.2	0.286	4.105E+03	2.081E-05	1.052E-04	14.6	6.902E-04
110	0.517	0.134	10.3	4.35	2.262E+03	4.877E-05	5.741E-05	9.78	1.990E-04
111	0.552	9.056E-02	13.8	0.680	2.957E+03	2.146E-05	3.206E-05	71.8	3.351E-04
112	0.519	8.047E-02	11.9	0.260	2.611E+03	2.191E-05	5.347E-05	5.46	4.200E-03
113	0.744	0.126	3.16	5.575E-02	4.065E+03	2.241E-05	5.548E-05	4.86	6.103E-03
114	0.510	0.107	5.83	1.301E-02	4.531E+03	1.477E-05	4.523E-05	42.3	1.462E-04
115	0.526	0.119	17.3	0.895	4.286E+03	1.409E-05	2.544E-05	3.13	5.523E-04
116	0.451	0.129	5.66	5.708E-02	3.573E+03	3.862E-05	5.462E-05	2.74	4.110E-04
117	0.718	7.257E-02	1.75	1.07	3.776E+03	2.327E-05	7.425E-05	4.38	6.162E-04
118	0.583	0.111	12.4	1.26	3.733E+03	2.072E-05	4.338E-05	17.7	7.662E-04
119	0.602	0.125	10.9	0.259	2.145E+03	1.929E-05	1.642E-04	1.72	1.151E-02
120	0.551	9.593E-02	49.1	0.811	3.352E+03	2.405E-05	5.697E-05	46.2	4.624E-04
121	0.481	0.103	1.72	0.312	3.156E+03	2.185E-05	7.739E-05	3.02	6.070E-04
122	0.644	9.061E-02	15.3	0.869	4.651E+03	2.084E-05	1.607E-04	3.02	1.259E-03
123	0.670	0.120	1.18	2.02	2.814E+03	2.065E-05	3.369E-05	21.2	1.914E-04
124	0.542	9.343E-02	14.1	0.230	2.376E+03	2.054E-05	5.280E-05	3.33	1.524E-03
125	0.499	7.621E-02	21.6	3.72	2.916E+03	1.622E-05	3.893E-05	3.05	7.753E-04
126	0.501	8.603E-02	31.2	5.209E-02	2.293E+03	1.040E-04	1.865E-04	3.44	2.178E-03
127	0.662	0.108	10.7	0.692	2.912E+03	2.034E-05	5.135E-05	3.59	5.264E-03
128	0.471	9.011E-02	22.3	4.862E-02	4.329E+03	2.287E-05	1.535E-04	22.7	3.063E-03
129	0.548	0.114	3.03	0.169	2.431E+03	2.991E-05	5.703E-05	9.98	2.901E-03
130	0.579	7.699E-02	26.4	0.224	2.603E+03	1.863E-05	1.334E-04	10.9	1.024E-03
131	0.540	0.133	6.37	8.13	3.060E+03	1.687E-05	3.803E-05	6.82	1.264E-03
132	0.606	9.077E-02	1.79	0.102	2.530E+03	1.733E-05	5.158E-05	4.74	4.304E-03
133	0.447	8.820E-02	10.2	0.818	5.045E+03	1.326E-05	5.024E-05	15.2	1.855E-03
134	0.534	0.108	14.3	2.98	5.208E+03	3.600E-05	5.180E-05	4.49	1.175E-03
135	0.550	0.111	7.09	0.542	3.857E+03	1.717E-05	5.185E-05	1.62	3.574E-04

136	0.507	9.891E-02	36.3	1.09	5.300E+03	6.067E-05	5.509E-05
10.4	2.411E-04						
137	0.427	0.123	22.4	2.56	3.432E+03	2.285E-05	5.611E-05
8.16	2.099E-03						
138	0.490	0.120	6.10	9.851E-02	3.661E+03	1.127E-05	4.108E-05
5.90	1.592E-03						
139	0.622	0.104	1.06	5.214E-02	2.665E+03	1.777E-05	5.679E-05
3.60	1.016E-03						
140	0.657	7.447E-02	38.3	0.936	2.556E+03	3.741E-05	3.948E-05
12.0	2.943E-03						
141	0.508	9.900E-02	1.32	1.467E-02	2.568E+03	2.050E-05	1.040E-04
11.6	1.193E-03						
142	0.448	8.686E-02	32.0	4.71	3.757E+03	4.684E-05	3.683E-05
7.81	1.990E-03						
143	0.629	0.113	2.58	0.510	3.867E+03	1.447E-05	5.346E-05
151.	8.618E-04						
144	0.621	0.128	1.14	0.613	2.749E+03	1.918E-05	5.319E-05
21.6	1.187E-03						
145	0.505	0.109	3.83	1.07	3.123E+03	4.761E-05	5.130E-05
42.9	9.319E-04						
146	0.656	0.131	1.36	1.42	3.074E+03	2.503E-05	3.548E-05
38.6	8.304E-04						
147	0.555	7.973E-02	21.8	0.563	2.266E+03	2.091E-05	5.522E-05
9.10	1.038E-03						
148	0.543	9.389E-02	14.6	0.115	4.212E+03	2.180E-05	6.893E-05
9.89	1.867E-03						
149	0.611	9.449E-02	7.46	2.15	1.951E+03	4.395E-05	4.196E-05
16.4	2.274E-03						
150	0.451	0.104	11.8	0.477	2.796E+03	2.020E-05	4.080E-05
5.10	9.831E-04						
151	0.786	0.125	10.1	0.121	5.375E+03	2.235E-05	5.405E-05
7.10	2.838E-03						
152	0.661	8.052E-02	14.7	0.344	2.158E+03	1.517E-05	8.548E-05
10.2	1.115E-02						
153	0.629	9.633E-02	2.23	7.248E-02	2.971E+03	1.169E-05	8.006E-05
1.27	3.072E-03						
154	0.645	9.695E-02	4.47	2.59	2.524E+03	1.124E-05	5.116E-05
10.7	4.973E-03						
155	0.434	0.126	12.7	3.782E-03	3.044E+03	2.109E-05	1.008E-04
1.96	2.444E-03						
156	0.594	0.120	5.25	1.10	2.412E+03	1.210E-05	2.643E-04
62.9	6.312E-03						
157	0.465	0.102	10.9	1.84	4.278E+03	2.259E-05	5.550E-05
11.9	6.332E-04						
158	0.633	0.108	235.	2.90	3.568E+03	2.221E-05	5.451E-05
1.24	2.494E-03						
159	0.617	0.131	82.3	1.06	2.675E+03	1.493E-05	2.029E-04
48.6	1.376E-03						
160	0.459	9.682E-02	6.39	0.188	1.869E+03	1.596E-05	8.279E-05
10.8	7.909E-04						
161	0.514	9.966E-02	0.357	2.194E-02	3.302E+03	1.332E-05	4.802E-05
1.95	2.511E-04						
162	0.513	0.127	7.31	2.35	8.993E+03	5.492E-05	1.348E-04
6.53	2.690E-03						
163	0.603	0.102	9.14	0.205	2.251E+03	2.137E-05	5.663E-05
2.65	8.801E-04						
164	0.703	0.124	19.2	0.251	3.685E+03	2.032E-05	5.276E-05
32.1	4.577E-04						
165	0.736	9.473E-02	7.20	0.179	5.484E+03	1.568E-05	5.091E-05
2.30	3.759E-04						

166	0.654	0.102	30.5	1.820E-02	3.545E+03	2.044E-05	5.427E-05	29.7	5.967E-04
167	0.491	9.865E-02	18.9	11.7	2.904E+03	1.555E-05	5.613E-05	2.49	1.380E-03
168	0.550	8.788E-02	42.7	0.535	3.521E+03	1.163E-05	5.749E-05	82.0	8.482E-04
169	0.597	0.104	10.3	2.68	3.692E+03	2.062E-05	2.929E-05	24.0	3.178E-04
170	0.562	0.129	8.65	1.95	3.183E+03	2.252E-05	3.741E-05	4.44	1.601E-03
171	0.635	0.112	7.93	8.69	5.030E+03	1.883E-05	3.973E-05	13.1	2.817E-03
172	0.497	7.732E-02	9.11	5.843E-02	3.072E+03	2.021E-05	5.324E-05	2.83	1.417E-04
173	0.549	0.124	5.62	4.695E-02	3.696E+03	2.057E-05	2.183E-04	17.7	2.600E-03
174	0.506	0.121	16.8	0.652	2.542E+03	2.095E-05	1.145E-04	9.40	4.208E-04
175	0.576	0.122	5.37	0.254	2.663E+03	1.246E-05	1.446E-04	29.3	4.459E-04
176	0.621	0.118	6.05	1.57	3.745E+03	2.249E-05	1.384E-04	7.26	5.851E-04
177	0.514	9.018E-02	10.9	2.852E-02	3.327E+03	1.352E-05	3.865E-05	16.5	1.521E-03
178	0.714	0.124	10.1	5.161E-02	1.850E+03	9.686E-05	5.248E-05	5.13	3.357E-03
179	0.646	8.638E-02	14.6	1.51	2.225E+03	2.157E-05	4.476E-05	100.	6.843E-04
180	0.654	0.115	11.9	4.149E-02	2.043E+03	2.083E-05	2.069E-04	8.66	1.643E-03
181	0.634	9.290E-02	2.27	2.77	2.350E+03	1.636E-05	1.740E-04	5.64	2.875E-03
182	0.631	8.477E-02	12.8	1.933E-02	4.056E+03	6.414E-05	5.438E-05	4.55	7.300E-04
183	0.529	0.126	2.48	1.944E-03	4.375E+03	2.299E-05	5.461E-05	7.32	4.292E-03
184	0.525	9.804E-02	1.85	1.47	2.678E+03	1.973E-05	5.528E-05	29.5	2.658E-02
185	0.539	0.100	3.08	5.770E-02	4.516E+03	2.128E-05	3.410E-05	11.6	2.249E-03
186	0.589	0.103	19.5	0.644	2.900E+03	1.073E-04	3.695E-05	4.92	0.118
187	0.610	9.607E-02	0.862	0.269	3.114E+03	1.462E-05	1.233E-04	58.5	1.304E-03
188	0.493	0.121	4.83	1.43	2.867E+03	2.120E-05	5.146E-05	16.8	7.605E-03
189	0.473	9.083E-02	9.97	0.219	2.358E+03	2.214E-05	9.517E-05	53.7	2.621E-04
190	0.561	9.485E-02	6.41	7.635E-02	2.235E+03	4.367E-05	3.217E-05	95.7	7.405E-04
191	0.487	8.808E-02	18.3	1.417E-02	2.536E+03	2.069E-05	5.327E-05	5.20	8.087E-04
192	0.581	0.112	63.2	0.310	3.127E+03	2.117E-05	5.050E-05	29.0	8.050E-04
193	0.438	9.904E-02	2.21	0.347	1.971E+03	2.130E-05	5.566E-05	8.93	2.502E-03
194	0.734	9.596E-02	9.72	1.04	2.890E+03	1.768E-05	3.777E-05	14.9	1.054E-03
195	0.509	0.140	2.85	1.38	1.806E+03	2.148E-05	5.559E-05	10.4	2.716E-03

196	0.538	8.485E-02	7.54	0.247	2.778E+03	2.264E-05	4.788E-05	3.58	8.015E-04
197	0.548	7.943E-02	4.38	0.152	3.885E+03	4.348E-05	5.065E-05	7.35	2.196E-03
198	0.727	0.126	6.02	0.118	3.076E+03	1.038E-05	5.580E-05	10.8	1.531E-03
199	0.675	8.732E-02	7.53	0.973	5.178E+03	3.316E-05	3.359E-05	6.19	5.379E-04
200	0.542	9.147E-02	8.74	0.557	3.174E+03	1.205E-05	5.256E-05	1.02	2.387E-03
201	0.667	9.721E-02	1.92	0.867	4.428E+03	1.833E-05	3.061E-05	18.6	1.994E-03
202	0.544	8.367E-02	15.8	1.02	2.031E+03	4.101E-05	2.988E-05	87.4	2.688E-04
203	0.550	0.121	8.93	0.297	4.360E+03	2.182E-05	4.054E-05	3.35	2.160E-04
204	0.550	0.127	0.825	0.703	3.089E+03	2.211E-05	5.998E-05	6.35	2.354E-03
205	0.593	8.778E-02	24.3	6.69	4.385E+03	2.126E-05	2.487E-04	10.6	3.113E-04
206	0.766	9.113E-02	3.57	4.00	3.921E+03	1.814E-05	1.193E-04	66.6	7.342E-04
207	0.608	9.626E-02	10.8	8.135E-02	7.157E+03	5.376E-05	5.568E-05	1.21	1.180E-04
208	0.630	9.524E-02	1.55	1.975E-02	2.104E+03	1.289E-04	4.887E-05	23.7	7.961E-04
209	0.666	9.505E-02	2.96	7.880E-02	3.007E+03	2.364E-05	4.675E-05	3.92	1.643E-03
210	0.750	0.112	17.0	5.042E-03	1.758E+03	2.037E-05	1.246E-04	1.19	1.899E-04
211	0.663	0.110	3.76	0.283	3.838E+03	1.005E-05	3.619E-05	1.23	3.523E-03
212	0.539	0.101	6.70	4.742E-02	2.544E+03	2.098E-05	4.240E-05	2.39	2.763E-04
213	0.580	0.102	5.54	0.925	1.551E+03	3.419E-05	1.110E-04	79.2	2.795E-03
214	0.478	0.106	2.45	0.439	3.127E+03	2.181E-05	8.097E-05	11.3	4.508E-04
215	0.549	9.747E-02	3.39	2.259E-02	3.031E+03	1.504E-05	1.047E-04	6.54	4.414E-04
216	0.595	8.410E-02	4.11	0.114	3.978E+03	3.290E-05	4.466E-05	21.0	1.951E-03
217	0.803	0.130	22.5	0.649	1.916E+03	2.102E-05	5.472E-05	21.4	1.146E-04
218	0.667	0.120	9.03	2.776E-02	2.735E+03	2.205E-05	3.432E-05	4.50	6.032E-04
219	0.500	0.112	2.36	0.117	1.838E+03	2.112E-05	5.735E-05	11.0	3.903E-04
220	0.575	9.546E-02	4.55	2.39	3.059E+03	4.576E-05	5.532E-05	42.0	6.797E-04
221	0.520	0.114	13.2	4.27	3.077E+03	2.161E-05	3.210E-05	23.0	5.348E-04
222	0.552	0.125	7.46	1.37	3.322E+03	3.235E-05	5.335E-05	2.07	3.547E-03
223	0.659	9.639E-02	8.21	0.295	2.606E+03	6.806E-05	2.901E-05	10.3	1.159E-03
224	0.575	9.657E-02	2.39	1.24	3.854E+03	1.715E-05	3.490E-05	2.84	1.561E-03
225	0.687	0.117	1.89	0.299	2.586E+03	2.186E-05	5.374E-05	1.09	2.336E-03

226	0.611	8.671E-02	6.53	0.220	3.227E+03	1.397E-05	3.233E-05
46.7	1.943E-03						
227	0.751	8.098E-02	1.58	0.119	3.257E+03	2.632E-05	5.748E-05
38.8	3.933E-03						
228	0.715	8.073E-02	1.15	0.361	3.804E+03	2.231E-05	5.298E-05
4.01	7.156E-04						
229	0.482	0.128	5.00	0.174	2.786E+03	1.195E-05	4.883E-05
2.68	1.283E-03						
230	0.622	0.121	2.88	1.86	2.149E+03	5.315E-05	5.303E-05
9.35	1.409E-03						
231	0.652	0.108	1.51	0.196	1.636E+03	1.294E-05	4.460E-05
1.51	6.731E-04						
232	0.492	9.723E-02	4.10	7.35	3.984E+03	2.060E-05	5.561E-05
1.20	5.900E-04						
233	0.552	9.895E-02	24.6	0.192	3.054E+03	2.039E-05	2.597E-05
72.3	2.383E-03						
234	0.527	9.814E-02	17.4	0.851	5.245E+03	2.072E-05	5.649E-05
2.98	2.157E-03						
235	0.578	8.302E-02	1.53	9.419E-02	1.779E+03	2.025E-05	5.763E-05
5.40	5.457E-04						
236	0.561	0.111	12.0	7.202E-02	3.302E+03	2.143E-05	4.909E-05
6.59	4.862E-03						
237	0.545	0.137	2.06	7.05	2.166E+03	4.970E-05	2.445E-04
6.50	2.375E-03						
238	0.753	9.838E-02	2.25	0.123	4.480E+03	1.627E-05	4.230E-05
25.9	4.928E-04						
239	0.591	0.102	8.02	0.235	4.244E+03	1.913E-05	2.797E-05
113.	9.245E-03						
240	0.609	0.109	20.5	0.141	4.068E+03	2.247E-05	5.952E-05
9.56	2.674E-03						
241	0.691	0.129	3.34	0.242	1.944E+03	2.296E-05	5.872E-05
21.8	5.563E-04						
242	0.565	0.130	34.9	1.93	3.586E+03	2.227E-05	5.070E-05
16.1	7.246E-04						
243	0.656	0.105	5.09	6.444E-02	1.692E+03	2.134E-05	3.900E-05
1.66	7.388E-03						
244	0.523	0.128	2.82	0.773	4.231E+03	2.164E-05	5.528E-05
4.15	1.133E-03						
245	0.745	8.796E-02	28.2	0.124	3.341E+03	1.349E-05	5.082E-05
13.3	3.783E-03						
246	0.710	9.944E-02	3.81	9.237E-02	2.947E+03	2.188E-05	4.979E-05
16.7	1.645E-02						
247	0.606	9.243E-02	9.86	7.59	1.956E+03	2.105E-05	1.142E-04
5.52	3.261E-03						
248	0.788	7.531E-02	17.1	0.168	2.141E+03	1.053E-05	5.364E-05
50.5	3.185E-03						
249	0.547	7.660E-02	1.20	0.184	2.986E+03	1.524E-05	3.721E-05
1.35	2.432E-03						
250	0.582	9.882E-02	9.22	0.664	3.826E+03	2.015E-05	5.139E-05
28.5	1.135E-03						
251	0.686	0.125	161.	6.90	3.797E+03	1.472E-05	1.827E-04
5.76	1.402E-03						
252	0.757	0.107	6.65	1.150E-02	2.917E+03	3.051E-05	5.668E-05
6.92	2.603E-04						
253	0.483	0.118	5.45	1.12	3.479E+03	2.042E-05	1.060E-04
1.30	1.508E-03						
254	0.549	0.116	1.69	2.79	3.583E+03	1.971E-05	3.703E-04
41.2	1.454E-03						
255	0.708	0.108	11.1	3.468E-02	2.763E+03	1.823E-05	5.213E-05
46.9	8.501E-04						

256	0.737	9.254E-02	11.0	1.72	5.259E+03	2.258E-05	5.726E-05
18.2	2.484E-03						
257	0.488	0.103	62.2	0.707	1.493E+03	1.857E-05	5.276E-05
22.8	2.341E-04						
258	0.587	9.661E-02	18.6	0.480	3.035E+03	1.688E-05	2.488E-04
161.	5.789E-03						
259	0.583	8.689E-02	6.14	0.359	2.459E+03	4.173E-05	5.201E-05
6.02	1.583E-04						
260	0.690	9.868E-02	23.5	0.787	3.472E+03	2.066E-05	5.702E-05
19.5	2.257E-03						
261	0.581	0.123	10.6	0.276	3.594E+03	2.109E-05	4.692E-05
49.3	7.843E-04						
262	0.540	9.406E-02	1.42	1.65	2.672E+03	2.251E-05	3.794E-05
5.34	3.394E-04						
263	0.553	9.874E-02	5.42	5.084E-02	4.084E+03	1.137E-05	5.627E-05
2.11	1.387E-04						
264	0.716	0.116	135.	1.31	3.779E+03	1.122E-05	5.632E-05
60.0	3.477E-04						
265	0.648	0.116	0.603	1.60	4.228E+03	2.309E-05	2.959E-05
2.60	1.468E-03						
266	0.669	9.395E-02	1.22	2.48	4.009E+03	2.149E-05	5.582E-05
36.4	7.986E-04						
267	0.624	9.050E-02	7.43	0.243	4.625E+03	2.048E-05	5.357E-05
1.24	3.768E-03						
268	0.728	0.110	4.94	0.381	4.384E+03	2.190E-05	4.163E-05
2.44	5.255E-04						
269	0.566	0.117	30.1	0.330	3.604E+03	2.152E-05	5.560E-05
137.	2.085E-03						
270	0.431	0.114	0.738	0.178	4.741E+03	1.421E-05	5.381E-05
2.31	9.425E-04						
271	0.440	9.791E-02	4.14	7.016E-03	5.978E+03	2.222E-05	5.603E-05
9.75	2.105E-03						
272	0.586	0.130	6.97	2.025E-03	3.204E+03	1.060E-04	5.744E-05
2.89	1.966E-04						
273	0.569	0.101	21.1	0.473	1.979E+03	2.104E-05	9.570E-05
25.5	3.130E-04						
274	0.748	0.114	27.5	0.730	1.305E+03	5.726E-05	5.251E-05
35.4	9.072E-04						
275	0.715	8.316E-02	8.17	0.157	2.441E+03	2.023E-05	5.100E-05
5.50	2.664E-03						
276	0.531	0.104	45.8	10.8	1.943E+03	2.950E-05	4.342E-05
1.07	3.018E-03						
277	0.708	8.573E-02	24.2	0.897	2.807E+03	1.148E-05	7.011E-05
3.97	1.665E-03						
278	0.563	9.808E-02	38.8	9.17	2.273E+03	5.791E-05	5.292E-05
5.66	5.121E-04						
279	0.704	9.041E-02	2.37	18.5	4.440E+03	5.402E-05	1.200E-04
1.98	1.903E-03						
280	0.567	9.092E-02	49.9	0.620	6.835E+03	5.176E-05	4.278E-05
4.26	1.278E-03						
281	0.584	9.976E-02	9.02	2.44	2.389E+03	1.110E-05	5.272E-05
5.40	8.460E-04						
282	0.565	0.110	25.5	0.130	3.349E+03	2.256E-05	5.630E-05
12.8	3.322E-04						
283	0.692	0.128	2.95	0.424	3.131E+03	1.391E-05	4.316E-05
2.18	6.768E-04						
284	0.519	0.104	71.1	0.206	4.043E+03	2.099E-05	2.738E-05
2.65	1.077E-03						
285	0.580	8.604E-02	3.10	8.806E-02	2.100E+03	2.050E-05	7.662E-05
9.84	2.518E-03						

286	0.478	9.439E-02	16.2	0.257	6.613E+03	1.118E-05	3.199E-05	9.18	4.891E-04
287	0.530	0.136	14.0	0.223	3.148E+03	1.276E-05	5.127E-05	49.7	4.640E-04
288	0.426	0.136	3.50	0.166	3.008E+03	4.534E-05	4.656E-05	4.10	6.006E-03
289	0.587	9.518E-02	51.8	0.274	2.680E+03	1.213E-05	5.608E-05	14.5	1.637E-04
290	0.522	0.108	4.52	0.420	2.317E+03	1.775E-05	5.501E-05	21.7	4.031E-04
291	0.576	0.101	10.7	0.539	4.355E+03	1.371E-05	1.999E-04	30.4	3.960E-04
292	0.569	0.105	5.71	2.75	3.482E+03	2.085E-05	5.655E-05	7.30	1.533E-03
293	0.504	0.110	12.8	1.01	3.786E+03	2.161E-05	2.522E-05	9.02	4.435E-04
294	0.450	9.756E-02	4.09	7.23	2.948E+03	2.046E-05	5.710E-05	8.12	1.282E-02
295	0.608	9.268E-02	22.7	8.015E-02	2.590E+03	3.766E-05	2.825E-05	3.19	2.558E-03
296	0.637	0.131	8.47	1.05	2.735E+03	1.666E-05	2.548E-05	3.53	3.305E-04
297	0.620	0.114	2.35	0.522	3.150E+03	2.177E-05	5.336E-05	1.14	9.099E-04
298	0.577	9.731E-02	4.22	4.568E-02	3.974E+03	2.142E-05	5.118E-05	94.2	1.699E-03
299	0.599	8.934E-02	3.40	1.19	1.992E+03	3.042E-05	4.388E-05	3.76	6.574E-04
300	0.564	0.102	35.5	0.154	4.635E+03	1.755E-05	5.239E-05	4.79	4.488E-03
301	0.549	8.151E-02	15.0	0.617	3.930E+03	2.203E-05	5.090E-05	12.6	2.017E-04
302	0.560	9.960E-02	3.28	0.942	2.925E+03	1.021E-05	5.000E-05	12.2	1.197E-03
303	0.550	7.395E-02	2.71	1.15	6.816E+03	2.207E-05	5.671E-05	91.6	3.539E-03
304	0.704	9.367E-02	8.22	1.78	4.260E+03	1.289E-05	5.171E-05	5.24	2.539E-03
305	0.531	0.112	52.7	9.554E-02	5.726E+03	1.433E-05	5.210E-05	2.73	2.684E-03
306	0.622	9.706E-02	4.93	0.146	3.871E+03	1.026E-04	5.756E-05	26.6	6.688E-03
307	0.589	0.108	22.1	2.25	4.736E+03	1.534E-05	2.857E-05	31.6	1.010E-03
308	0.461	8.399E-02	13.9	3.04	3.179E+03	5.343E-05	5.615E-05	2.75	7.174E-04
309	0.713	9.620E-02	7.59	0.547	3.796E+03	2.167E-05	5.687E-05	5.48	7.557E-05
310	0.590	0.133	2.29	1.30	2.993E+03	2.023E-05	4.350E-05	36.7	5.727E-03
311	0.556	7.723E-02	17.9	5.647E-02	1.984E+03	1.400E-05	3.561E-05	1.53	1.076E-03
312	0.501	0.141	1.94	6.869E-02	2.510E+03	2.067E-05	3.163E-05	8.82	8.529E-04
313	0.603	9.205E-02	13.7	10.8	5.015E+03	1.561E-05	5.081E-05	23.1	1.538E-03
314	0.666	0.118	11.2	8.282E-02	2.850E+03	2.132E-05	5.172E-05	6.89	1.929E-03
315	0.685	0.102	5.33	0.484	2.177E+03	2.284E-05	5.356E-05	4.21	2.237E-03

316	0.541	8.063E-02	1.61	6.601E-02	2.499E+03	1.700E-05	2.553E-04	10.1	1.364E-03
317	0.638	8.470E-02	3.01	0.179	3.323E+03	1.513E-05	5.503E-05	2.77	9.555E-04
318	0.460	0.101	50.7	1.54	2.520E+03	2.135E-05	5.087E-05	93.4	1.847E-03
319	0.594	0.100	2.78	4.257E-02	2.934E+03	2.489E-05	3.838E-05	1.08	6.842E-03
320	0.501	8.537E-02	5.98	4.450E-02	3.879E+03	8.735E-05	3.870E-05	48.0	3.004E-03
321	0.481	0.100	2.93	8.952E-02	3.028E+03	2.256E-05	5.207E-05	1.48	3.062E-04
322	0.517	9.749E-02	7.49	4.500E-02	3.951E+03	2.212E-05	2.976E-05	4.32	1.266E-03
323	0.568	8.231E-02	3.65	5.003E-02	5.492E+03	2.288E-05	2.683E-04	5.82	1.488E-03
324	0.724	0.110	5.11	3.31	3.368E+03	1.623E-05	1.438E-04	6.41	6.138E-04
325	0.628	0.119	7.38	1.45	4.152E+03	1.916E-05	5.556E-05	4.23	2.716E-04
326	0.526	0.117	11.3	0.833	2.379E+03	1.576E-05	5.107E-05	48.3	2.642E-04
327	0.736	9.131E-02	1.60	2.06	3.000E+03	4.890E-05	5.192E-05	5.01	3.813E-04
328	0.496	8.788E-02	3.23	0.190	2.849E+03	3.985E-05	5.424E-05	14.6	1.436E-04
329	0.634	0.134	2.13	0.612	2.846E+03	1.968E-05	3.252E-05	1.00	4.384E-04
330	0.489	0.103	5.32	9.50	3.268E+03	2.228E-05	4.669E-05	3.46	8.762E-05
331	0.461	8.642E-02	3.81	0.934	2.963E+03	1.606E-05	5.554E-05	12.8	3.488E-03
332	0.727	0.105	13.1	5.61	3.817E+03	1.960E-05	4.566E-05	11.3	2.223E-03
333	0.466	0.124	3.71	0.230	2.658E+03	2.126E-05	2.662E-04	6.24	9.308E-05
334	0.682	9.362E-02	19.6	4.543E-02	3.687E+03	4.265E-05	5.716E-05	15.2	3.628E-03
335	0.560	9.134E-02	4.02	0.951	4.130E+03	1.790E-05	5.639E-05	13.6	3.128E-03
336	0.666	8.103E-02	7.34	0.147	2.607E+03	1.152E-05	5.425E-05	2.13	1.962E-04
337	0.591	8.861E-02	16.6	3.35	2.953E+03	1.533E-05	5.431E-05	10.1	7.132E-04
338	0.706	9.761E-02	9.88	0.110	3.378E+03	2.050E-05	2.891E-05	2.82	3.223E-03
339	0.481	8.903E-02	6.73	0.251	2.931E+03	1.013E-04	4.860E-05	1.70	2.572E-03
340	0.668	9.298E-02	34.0	0.325	3.159E+03	6.237E-05	2.605E-05	44.2	4.504E-03
341	0.540	9.235E-02	9.75	0.389	2.209E+03	2.200E-05	1.055E-04	3.09	2.749E-04
342	0.565	9.845E-02	1.47	4.14	3.702E+03	2.219E-05	4.525E-04	8.63	8.636E-04
343	0.510	0.109	31.8	0.352	2.438E+03	2.124E-05	5.391E-05	41.0	2.327E-03
344	0.529	0.100	1.23	0.342	2.755E+03	2.176E-05	4.261E-05	8.26	2.164E-02
345	0.625	0.123	3.31	1.20	3.256E+03	1.012E-05	5.595E-05	18.3	4.336E-03

346	0.599	9.371E-02	8.13	0.320	4.274E+03	1.645E-05	4.184E-05
39.6	1.411E-03						
347	0.581	0.115	5.15	0.503	3.667E+03	4.243E-05	7.980E-05
5.38	2.427E-03						
348	0.601	9.588E-02	5.98	0.506	3.343E+03	9.641E-05	5.344E-05
62.2	1.060E-03						
349	0.524	0.106	13.3	0.491	4.794E+03	4.495E-05	1.399E-04
6.49	2.880E-03						
350	0.740	9.538E-02	6.92	6.112E-02	4.451E+03	2.101E-05	3.462E-05
78.3	1.548E-04						
351	0.692	0.101	4.58	1.29	3.417E+03	4.723E-05	5.104E-05
1.12	3.376E-03						
352	0.702	8.542E-02	97.2	70.4	1.819E+03	2.253E-05	9.014E-05
3.51	7.542E-04						
353	0.651	8.757E-02	8.35	4.20	2.473E+03	2.130E-05	1.021E-04
19.4	7.196E-04						
354	0.595	0.101	10.4	0.907	4.026E+03	2.249E-05	5.464E-05
20.6	1.071E-04						
355	0.594	8.566E-02	6.46	0.567	4.608E+03	1.922E-05	5.072E-05
4.19	1.789E-03						
356	0.725	0.134	15.7	1.81	5.635E+03	2.451E-05	5.405E-05
4.11	1.340E-03						
357	0.660	0.117	4.80	0.236	4.136E+03	1.359E-05	4.403E-05
7.74	1.773E-03						
358	0.576	0.134	28.6	2.11	2.862E+03	1.142E-05	1.298E-04
26.9	4.558E-04						
359	0.537	0.112	10.1	4.366E-02	3.370E+03	2.151E-05	5.587E-05
1.22	6.672E-04						
360	0.544	8.450E-02	4.99	0.138	2.330E+03	1.099E-05	4.831E-05
4.53	5.236E-03						
361	0.650	0.102	6.04	0.450	2.768E+03	2.208E-05	4.209E-05
22.6	8.943E-04						
362	0.527	0.114	47.8	0.281	3.527E+03	1.061E-05	6.742E-05
11.4	1.745E-03						
363	0.607	0.118	3.48	9.390E-02	3.579E+03	2.138E-05	5.323E-05
1.80	8.279E-04						
364	0.575	0.102	4.64	0.208	3.683E+03	1.452E-05	5.502E-05
1.43	2.125E-03						
365	0.583	8.014E-02	8.49	7.833E-02	3.304E+03	1.675E-05	5.039E-05
10.4	2.054E-03						
366	0.456	0.106	1.96	1.698E-02	3.451E+03	1.304E-05	5.565E-05
27.5	5.994E-04						
367	0.755	9.463E-02	2.76	0.100	3.693E+03	2.234E-05	5.084E-05
7.08	4.777E-03						
368	0.654	0.117	7.30	0.925	2.018E+03	1.703E-05	5.097E-05
21.0	8.955E-04						
369	0.521	7.987E-02	7.27	0.554	5.222E+03	2.076E-05	5.414E-05
53.9	5.488E-04						
370	0.705	0.118	17.2	1.750E-02	2.634E+03	2.087E-05	5.014E-05
9.79	1.123E-03						
371	0.635	9.770E-02	19.0	2.28	1.744E+03	2.275E-05	7.391E-05
25.1	1.670E-04						
372	0.586	8.884E-02	3.11	4.054E-03	5.526E+03	2.280E-05	5.219E-05
7.40	3.611E-03						
373	0.613	0.103	6.86	26.7	2.918E+03	2.267E-05	2.600E-04
1.86	1.618E-03						
374	0.470	0.110	7.15	1.48	2.244E+03	1.500E-05	5.113E-05
27.4	4.013E-04						
375	0.502	7.855E-02	8.86	8.95	3.271E+03	2.197E-05	3.380E-05
3.14	1.622E-03						

376	0.616	8.586E-02	5.25	0.638	2.876E+03	1.593E-05	3.908E-05
18.0	5.101E-03						
377	0.713	7.992E-02	8.52	0.171	3.538E+03	2.089E-05	9.460E-05
28.0	6.382E-04						
378	0.500	0.103	0.640	7.488E-03	5.120E+03	2.102E-05	1.235E-04
1.73	4.239E-04						
379	0.698	0.103	19.2	7.035E-02	4.369E+03	2.202E-05	5.693E-05
6.26	1.216E-03						
380	0.482	0.116	35.6	2.379E-02	3.142E+03	2.031E-05	1.318E-04
74.3	7.779E-04						
381	0.541	8.206E-02	18.5	0.302	3.252E+03	2.344E-05	5.684E-05
230.	3.503E-03						
382	0.502	8.421E-02	9.54	0.143	4.561E+03	3.751E-05	4.662E-05
19.4	1.253E-03						
383	0.681	0.138	7.87	2.52	2.005E+03	2.265E-05	4.915E-05
9.03	8.854E-05						
384	0.658	0.122	12.5	1.77	4.927E+03	3.809E-05	1.114E-04
6.83	1.738E-03						
385	0.546	0.123	20.6	0.580	2.307E+03	2.270E-05	1.076E-04
1.88	1.578E-03						
386	0.640	0.115	5.41	0.558	2.065E+03	2.182E-05	3.748E-05
1.60	4.017E-03						
387	0.520	9.526E-02	6.63	9.769E-02	4.969E+03	1.032E-04	5.105E-05
24.9	1.383E-03						
388	0.429	0.101	5.68	1.38	3.542E+03	2.224E-05	5.609E-05
7.61	1.933E-04						
389	0.580	0.132	1.17	0.667	2.259E+03	1.312E-05	5.745E-05
7.31	3.637E-04						
390	0.626	8.997E-02	2.90	8.379E-02	3.221E+03	2.278E-05	4.287E-05
7.70	8.684E-04						
391	0.598	0.129	7.12	6.701E-02	3.263E+03	2.140E-05	1.215E-04
5.57	1.012E-03						
392	0.521	8.706E-02	0.982	3.44	5.406E+03	4.668E-05	5.551E-05
4.06	1.459E-03						
393	0.530	0.122	4.39	0.344	4.012E+03	1.748E-05	1.376E-04
24.4	3.588E-04						
394	0.630	0.118	55.2	0.432	3.355E+03	2.304E-05	5.644E-05
1.88	6.728E-03						
395	0.555	0.120	8.97	7.88	2.726E+03	1.167E-05	5.494E-05
3.89	5.807E-04						
396	0.597	0.128	11.6	0.606	4.312E+03	3.147E-05	4.753E-05
7.46	2.016E-03						
397	0.615	0.117	17.3	2.168E-02	4.906E+03	1.944E-05	5.269E-05
2.11	1.317E-03						
398	0.462	0.101	8.63	0.532	3.117E+03	2.022E-05	5.176E-05
73.8	6.688E-04						
399	0.674	0.103	3.79	0.268	2.668E+03	2.099E-05	3.386E-05
2.54	1.344E-03						
400	0.752	9.691E-02	41.3	6.402E-02	3.153E+03	3.430E-05	5.699E-05
1.26	1.877E-03						
401	0.515	8.084E-02	51.3	3.42	3.739E+03	1.263E-05	7.214E-05
12.8	2.132E-04						
402	0.642	0.103	1.74	0.419	3.039E+03	1.894E-05	5.260E-05
106.	1.889E-03						
403	0.503	0.102	7.84	0.378	4.088E+03	2.061E-05	3.136E-05
3.17	1.308E-03						
404	0.557	9.373E-02	5.72	1.26	3.092E+03	2.052E-05	3.588E-05
21.2	2.361E-03						
405	0.726	0.115	14.8	9.014E-02	2.560E+03	2.090E-05	9.989E-05
17.2	1.850E-03						

406 0.593 9.023E-02 14.8 9.123E-02 5.340E+03 4.148E-05
2.767E-05 30.7 1.271E-03
407 0.571 0.127 20.2 3.15 2.431E+03 1.080E-05
5.028E-05 6.16 2.476E-03
408 0.468 0.121 53.3 0.762 4.003E+03 2.200E-05
7.294E-05 23.9 1.463E-03
409 0.667 0.116 8.82 3.006E-02 1.574E+03 2.181E-05
3.672E-05 16.0 3.382E-04
410 0.536 0.103 12.2 0.238 2.692E+03 1.807E-05
3.506E-05 2.55 1.668E-03
411 0.513 8.625E-02 1.41 0.608 4.789E+03 9.088E-05
4.015E-05 39.7 1.709E-03
412 0.443 8.282E-02 5.52 0.264 3.875E+03 1.343E-05
2.809E-05 1.56 9.484E-04
413 0.565 0.106 2.50 2.86 2.841E+03 2.071E-05
5.739E-05 2.27 7.481E-04
414 0.581 0.115 12.3 0.212 2.405E+03 2.257E-05
5.095E-05 9.70 5.244E-04
415 0.778 0.104 5.23 0.248 3.562E+03 1.273E-05
3.127E-05 18.0 3.206E-04
416 0.554 0.102 9.51 0.461 6.658E+03 4.702E-05
4.619E-05 5.27 2.240E-03
417 0.646 0.105 13.0 19.0 3.209E+03 3.470E-05
4.597E-05 2.26 1.486E-04
418 0.535 0.107 4.40 2.52 4.591E+03 1.250E-05
5.624E-05 13.0 5.614E-04
419 0.733 0.114 6.28 5.46 3.791E+03 2.295E-05
1.151E-04 1.57 1.390E-03
420 0.486 0.112 5.56 0.402 3.189E+03 2.147E-05
5.383E-05 5.06 3.672E-03
421 0.466 0.108 25.0 7.52 3.578E+03 2.043E-05
2.746E-05 2.24 3.443E-04
422 0.659 0.108 19.1 5.785E-02 2.928E+03 5.232E-05
5.407E-05 1.75 4.083E-04
423 0.673 0.104 7.01 0.195 1.602E+03 2.589E-05
5.584E-05 17.8 6.885E-04
424 0.732 0.116 0.849 0.287 4.109E+03 2.111E-05
4.735E-05 14.2 9.133E-04
425 0.746 8.704E-02 6.34 1.91 2.979E+03 1.876E-05
6.119E-05 2.97 5.107E-04
426 0.682 0.120 24.0 0.958 2.343E+03 2.272E-05
1.473E-04 4.94 1.092E-03
427 0.574 9.165E-02 16.0 0.203 3.002E+03 2.087E-05
3.984E-05 3.06 1.732E-03
428 0.649 9.702E-02 5.90 0.301 1.973E+03 1.817E-05
1.413E-04 1.39 3.435E-03
429 0.628 0.130 3.67 9.336E-02 3.497E+03 2.291E-05
5.119E-05 5.43 1.781E-03
430 0.624 0.129 27.6 2.01 2.119E+03 2.026E-05
2.919E-05 3.22 2.980E-03
431 0.518 0.125 56.4 0.292 3.514E+03 8.393E-05
5.712E-05 17.6 2.812E-04
432 0.793 0.116 0.388 0.322 4.060E+03 4.138E-05
3.917E-05 33.5 1.916E-03
433 0.631 0.114 16.3 1.11 1.962E+03 2.190E-05
5.444E-05 20.0 2.891E-04
434 0.554 0.111 43.7 15.9 5.065E+03 1.924E-05
2.614E-04 2.03 6.086E-04
435 0.504 8.330E-02 7.74 0.266 2.109E+03 1.239E-05
4.017E-05 9.14 1.360E-03

436	0.503	0.128	5.28	8.690E-02	2.481E+03	1.141E-05	5.111E-05	55.2	7.435E-04
437	0.617	9.418E-02	39.2	0.325	3.133E+03	1.798E-05	1.301E-04	5.55	5.211E-04
438	0.590	9.430E-02	9.09	4.04	2.878E+03	5.878E-05	8.822E-05	30.9	1.105E-03
439	0.589	9.458E-02	40.3	0.479	3.107E+03	1.259E-05	4.134E-05	2.16	2.638E-03
440	0.546	0.105	1.68	0.212	3.172E+03	1.395E-05	5.637E-05	14.2	5.329E-04
441	0.524	8.118E-02	11.5	3.351E-02	2.724E+03	2.268E-05	6.817E-05	2.96	6.297E-04
442	0.770	0.111	6.78	13.1	1.927E+03	1.184E-05	3.166E-05	4.76	9.206E-04
443	0.509	0.103	4.49	0.170	2.880E+03	2.056E-05	2.909E-05	14.1	5.552E-05
444	0.795	9.346E-02	3.25	7.422E-02	3.429E+03	2.271E-05	5.539E-05	145.	4.341E-04
445	0.497	8.855E-02	2.77	0.142	3.999E+03	1.226E-05	1.283E-04	3.32	3.735E-04
446	0.464	9.521E-02	2.83	2.650E-02	7.384E+03	2.295E-05	5.354E-05	3.94	5.000E-04
447	0.513	9.848E-02	14.3	1.13	2.989E+03	2.166E-05	4.251E-05	2.02	1.360E-04
448	0.521	0.112	14.5	0.683	4.778E+03	2.169E-05	5.227E-05	31.9	6.898E-03
449	0.468	0.102	10.8	0.243	1.905E+03	2.001E-05	5.675E-05	10.3	5.013E-04
450	0.578	0.113	4.88	0.781	3.404E+03	3.088E-05	4.897E-05	6.78	8.069E-04
451	0.528	8.008E-02	26.6	0.134	2.898E+03	8.124E-05	2.701E-04	3.50	3.218E-03
452	0.709	0.104	30.0	1.19	3.161E+03	2.154E-05	4.989E-05	2.70	2.033E-04
453	0.610	8.526E-02	45.1	3.134E-02	4.871E+03	2.026E-05	5.505E-05	2.40	8.852E-04
454	0.680	8.571E-02	11.7	0.335	3.550E+03	1.772E-05	5.563E-05	1.13	6.191E-03
455	0.500	0.106	5.88	4.011E-02	4.523E+03	2.195E-05	5.378E-05	8.79	9.444E-04
456	0.514	0.104	3.32	0.153	2.352E+03	1.455E-05	3.173E-05	4.84	5.622E-03
457	0.730	0.109	8.28	0.413	2.518E+03	4.034E-05	4.633E-05	6.37	1.003E-03
458	0.523	9.089E-02	2.69	3.912E-02	4.891E+03	1.663E-05	3.259E-05	1.11	8.329E-04
459	0.559	0.118	32.1	1.191E-02	3.714E+03	2.289E-05	5.753E-05	68.9	1.726E-03
460	0.591	0.113	2.60	6.978E-02	3.411E+03	1.214E-05	2.319E-04	8.76	2.765E-03
461	0.473	0.106	16.8	6.364E-02	5.732E+03	3.627E-05	5.307E-05	4.88	1.230E-03
462	0.765	9.067E-02	1.94	3.736E-02	3.516E+03	2.170E-05	1.951E-04	13.9	2.852E-03
463	0.469	0.107	5.96	5.314E-02	3.222E+03	2.212E-05	5.326E-05	3.31	2.043E-04
464	0.509	8.735E-02	27.8	0.314	3.860E+03	2.047E-05	5.688E-05	3.74	7.282E-04
465	0.583	0.104	8.99	0.106	3.995E+03	1.221E-05	5.133E-05	6.62	7.198E-04

466	0.572	0.101	0.774	0.791	2.514E+03	1.765E-05	5.518E-05	6.10	6.712E-04
467	0.554	0.103	31.4	1.884E-02	1.246E+03	4.225E-05	4.955E-05	14.3	1.982E-03
468	0.596	9.555E-02	4.17	3.01	2.020E+03	1.937E-05	4.639E-05	1.41	1.957E-03
469	0.472	0.107	3.20	3.718E-02	3.112E+03	1.695E-05	5.599E-05	6.06	3.157E-04
470	0.684	9.825E-02	15.5	12.8	3.975E+03	2.119E-05	9.264E-05	3.77	5.770E-04
471	0.601	0.138	13.1	0.277	4.158E+03	2.203E-05	5.111E-05	1.17	1.056E-03
472	0.588	0.125	6.35	5.549E-02	2.535E+03	2.040E-05	2.967E-05	67.7	1.307E-04
473	0.576	0.131	8.19	1.97	2.316E+03	2.053E-05	2.646E-05	32.5	1.127E-03
474	0.725	0.114	2.07	0.347	4.412E+03	2.038E-05	1.189E-04	8.13	1.757E-03
475	0.641	9.402E-02	3.21	0.370	5.879E+03	8.626E-05	2.880E-05	41.7	5.312E-04
476	0.513	0.113	3.95	1.14	4.863E+03	1.867E-05	1.183E-04	11.7	3.040E-03
477	0.600	0.126	4.31	0.158	4.616E+03	2.253E-05	3.046E-05	1.38	3.654E-03
478	0.550	9.541E-02	5.17	0.463	2.627E+03	2.768E-05	8.610E-05	2.66	1.879E-03
479	0.595	0.132	9.20	9.285E-02	4.113E+03	4.041E-05	3.832E-05	10.9	1.687E-03
480	0.528	9.921E-02	7.26	11.3	4.168E+03	5.637E-05	4.220E-05	3.25	8.912E-04
481	0.428	0.106	5.77	5.958E-02	2.970E+03	1.417E-05	3.998E-05	124.	4.513E-04
482	0.488	9.550E-02	27.0	4.372E-02	3.199E+03	1.992E-05	5.597E-05	1.94	1.784E-03
483	0.487	0.113	14.4	2.47	2.982E+03	2.163E-05	2.721E-05	12.5	2.911E-03
484	0.762	8.374E-02	6.61	0.352	4.573E+03	3.550E-05	5.309E-05	9.95	1.129E-03
485	0.742	0.107	0.749	22.9	3.730E+03	2.193E-05	5.453E-05	244.	4.140E-04
486	0.746	0.105	3.75	2.40	2.152E+03	1.476E-05	5.803E-05	10.1	1.327E-03
487	0.585	8.697E-02	2.17	1.49	3.468E+03	2.068E-05	5.399E-05	1.05	2.527E-03
488	0.457	0.113	11.0	0.112	2.881E+03	1.262E-05	5.353E-05	15.1	8.137E-03
489	0.583	9.285E-02	11.4	0.516	2.077E+03	2.530E-05	5.657E-05	10.9	5.290E-04
490	0.518	0.116	13.9	1.03	3.089E+03	1.280E-05	5.079E-05	3.15	9.221E-03
491	0.597	0.122	24.9	0.216	3.453E+03	3.968E-05	3.763E-05	61.3	9.201E-04
492	0.572	9.839E-02	54.1	9.034E-02	4.117E+03	1.306E-05	3.367E-05	9.24	1.933E-03
493	0.415	9.513E-02	6.27	8.467E-02	2.562E+03	1.931E-05	5.188E-05	4.16	2.410E-03
494	0.780	9.435E-02	6.08	0.165	6.389E+03	1.402E-05	4.368E-05	37.7	2.665E-04
495	0.545	9.222E-02	21.0	0.564	3.736E+03	2.204E-05	3.274E-05	9.44	1.565E-03

496	0.662	0.119	8.79	7.151E-02	4.284E+03	2.030E-05	4.480E-05	2.55	5.989E-03
497	0.533	9.273E-02	4.28	2.21	2.941E+03	1.322E-05	2.609E-05	11.4	5.480E-04
498	0.573	0.108	2.29	6.297E-02	4.253E+03	2.133E-05	7.853E-05	28.0	4.917E-03
499	0.507	0.132	18.5	0.862	2.462E+03	1.135E-05	5.652E-05	15.9	1.637E-03
500	0.752	0.117	16.1	0.137	2.227E+03	1.795E-04	2.718E-04	35.6	2.991E-04
501	0.486	0.119	2.40	0.162	3.780E+03	2.236E-05	4.246E-05	4.42	3.635E-03
502	0.519	0.120	0.288	0.182	3.833E+03	2.029E-05	4.004E-05	18.9	3.166E-03
503	0.573	8.945E-02	1.47	1.901E-02	2.617E+03	4.641E-05	5.184E-05	9.32	8.570E-04
504	0.686	0.140	15.9	0.126	2.425E+03	2.231E-05	5.575E-05	7.53	1.514E-03
505	0.612	8.457E-02	1.12	0.645	2.313E+03	2.269E-05	3.040E-05	16.9	6.564E-03
506	0.561	0.114	13.3	2.888E-02	3.279E+03	1.103E-05	1.364E-04	43.3	7.874E-04
507	0.602	0.107	1.01	0.101	4.916E+03	9.742E-05	4.333E-05	9.66	6.113E-04
508	0.695	0.119	0.886	2.123E-02	2.060E+03	2.047E-05	5.195E-05	1.55	5.688E-04
509	0.584	0.122	29.6	0.227	3.424E+03	2.184E-05	4.715E-05	2.23	3.492E-04
510	0.543	7.556E-02	12.1	8.048E-02	1.879E+03	2.049E-05	1.402E-04	4.01	1.830E-03
511	0.493	9.557E-02	0.506	44.9	4.545E+03	2.120E-05	5.349E-05	5.87	1.291E-03
512	0.574	8.350E-02	2.41	0.602	2.973E+03	2.246E-05	4.987E-04	28.3	4.156E-04
513	0.633	0.113	47.4	0.405	3.024E+03	1.983E-05	5.136E-05	15.0	8.225E-04
514	0.543	0.125	5.36	0.586	2.493E+03	2.187E-05	3.484E-05	1.41	2.594E-03
515	0.619	0.135	40.9	0.106	4.821E+03	2.127E-05	5.093E-05	2.01	2.076E-03
516	0.596	8.923E-02	19.6	0.743	2.502E+03	1.784E-05	2.937E-05	7.17	1.424E-03
517	0.619	0.136	18.2	0.214	5.091E+03	1.656E-05	2.507E-05	52.9	1.030E-03
518	0.561	9.795E-02	14.9	3.96	3.390E+03	1.910E-05	8.404E-05	22.3	2.062E-03
519	0.615	0.109	4.95	0.139	3.646E+03	1.540E-05	1.118E-04	77.0	1.224E-04
520	0.594	0.120	13.1	0.874	2.743E+03	5.754E-05	1.267E-04	1.37	9.169E-04
521	0.484	0.101	2.47	5.04	2.711E+03	2.174E-05	3.026E-05	3.12	2.229E-03
522	0.761	0.106	4.29	0.252	3.640E+03	2.042E-05	3.727E-05	3.96	2.489E-04
523	0.657	0.110	68.2	0.165	2.815E+03	2.291E-05	5.190E-05	3.36	2.260E-04
524	0.525	0.118	4.78	0.122	2.646E+03	2.209E-05	5.728E-05	20.3	6.863E-04
525	0.682	8.951E-02	7.24	0.120	4.507E+03	2.279E-05	4.871E-05	8.98	2.098E-04

526	0.570	9.753E-02	6.88	3.525E-02	2.759E+03	2.309E-05	5.619E-05	51.7	4.536E-03
527	0.507	9.472E-02	8.89	0.191	3.032E+03	2.154E-05	8.951E-05	3.00	1.474E-03
528	0.556	9.818E-02	1.45	0.116	3.492E+03	1.268E-05	5.594E-05	5.91	3.369E-03
529	0.693	9.715E-02	21.3	0.349	5.280E+03	2.230E-05	4.974E-05	5.32	4.045E-03
530	0.665	8.511E-02	2.31	0.659	2.128E+03	1.018E-05	5.420E-05	5.61	1.107E-03
531	0.601	0.111	3.17	0.361	3.273E+03	4.940E-05	5.512E-05	5.80	1.275E-03
532	0.497	9.682E-02	14.0	0.549	2.717E+03	2.297E-05	5.475E-05	1.15	9.691E-03
533	0.729	8.880E-02	15.0	2.085E-02	4.082E+03	2.238E-05	3.193E-05	4.16	1.005E-03
534	0.619	0.110	17.7	0.994	5.788E+03	9.917E-05	5.468E-05	3.93	1.051E-02
535	0.738	8.297E-02	2.64	1.377E-02	3.315E+03	5.461E-05	5.473E-05	19.2	1.707E-03
536	0.774	9.261E-02	5.10	0.367	2.267E+03	2.056E-05	2.682E-05	1.84	7.620E-04
537	0.579	0.105	2.59	0.113	4.125E+03	1.057E-04	5.160E-05	15.1	1.890E-04
538	0.608	8.713E-02	11.6	16.4	3.434E+03	2.147E-05	5.388E-05	6.61	5.948E-04
539	0.489	9.677E-02	11.0	0.145	3.439E+03	3.879E-05	3.755E-05	10.7	2.296E-04
540	0.604	0.100	2.62	0.127	2.980E+03	1.237E-05	5.242E-05	3.67	1.153E-03
541	0.538	9.899E-02	8.27	0.226	4.808E+03	4.298E-05	1.025E-04	84.5	2.090E-03
542	0.675	9.567E-02	73.7	0.634	3.017E+03	1.229E-05	6.190E-05	2.62	1.080E-03
543	0.558	9.611E-02	18.1	5.050E-02	5.585E+03	2.165E-05	9.190E-05	3.86	4.156E-03
544	0.688	0.111	23.7	0.233	3.815E+03	1.157E-05	5.519E-05	56.3	1.714E-03
545	0.518	0.133	37.9	0.108	4.017E+03	9.991E-05	4.036E-05	22.4	2.454E-03
546	0.517	7.901E-02	9.17	9.332E-03	3.101E+03	1.368E-05	2.812E-05	1.34	1.947E-03
547	0.672	0.111	12.6	4.792E-02	3.905E+03	2.285E-05	4.864E-05	6.33	8.432E-04
548	0.610	8.835E-02	4.82	1.45	3.947E+03	2.216E-05	5.330E-05	13.6	3.969E-04
549	0.508	0.104	1.03	0.544	2.861E+03	2.290E-05	9.672E-05	17.2	4.750E-04
550	0.492	0.102	11.1	1.04	3.339E+03	4.426E-05	5.368E-05	4.29	7.637E-04
551	0.490	0.108	37.5	0.109	2.686E+03	1.669E-05	1.205E-04	18.5	3.547E-04
552	0.505	0.102	4.98	0.734	3.371E+03	2.240E-05	5.142E-05	20.4	9.613E-04
553	0.664	9.141E-02	17.1	0.197	3.622E+03	2.138E-05	9.934E-05	2.32	1.025E-02
554	0.646	0.105	27.4	0.132	4.205E+03	2.165E-05	5.204E-05	2.17	1.202E-03
555	0.537	0.109	64.8	3.813E-02	2.396E+03	4.777E-05	5.298E-05	18.1	1.543E-03

556	0.585	9.305E-02	3.07	3.91	3.572E+03	2.236E-05	1.387E-04	11.4	1.514E-02
557	0.640	0.114	0.460	0.354	4.192E+03	2.303E-05	5.379E-05	7.56	4.602E-03
558	0.613	8.726E-02	2.51	2.289E-02	4.147E+03	2.028E-05	5.151E-05	23.5	4.292E-04
559	0.591	8.127E-02	38.3	0.114	2.806E+03	2.258E-05	5.758E-05	2.37	6.253E-04
560	0.679	8.876E-02	8.95	1.40	3.671E+03	2.180E-05	1.032E-04	52.5	5.528E-04
561	0.524	0.101	1.66	1.25	2.088E+03	1.678E-05	5.403E-05	4.70	1.220E-03
562	0.541	0.121	7.96	6.027E-02	1.798E+03	2.874E-05	5.140E-05	8.70	1.003E-02
563	0.693	0.108	1.29	3.68	4.513E+03	1.015E-05	2.663E-05	15.7	2.008E-03
564	0.593	8.417E-02	4.44	0.387	3.185E+03	2.074E-05	5.370E-05	12.6	4.176E-03
565	0.698	0.111	7.41	0.134	3.636E+03	1.082E-04	5.721E-05	25.5	4.175E-04
566	0.617	9.578E-02	12.2	3.38	2.838E+03	2.079E-05	6.957E-05	2.15	6.663E-04
567	0.532	9.741E-02	26.0	6.918E-03	2.540E+03	2.150E-05	5.555E-05	3.89	1.438E-03
568	0.463	8.359E-02	2.97	1.71	3.958E+03	1.503E-05	3.663E-05	14.9	2.394E-04
569	0.665	0.106	34.5	0.629	2.598E+03	2.145E-05	5.667E-05	104.	1.188E-03
570	0.661	9.180E-02	4.67	1.557E-02	2.334E+03	2.036E-05	5.311E-05	33.8	2.143E-03
571	0.697	9.873E-02	6.14	8.650E-02	2.960E+03	2.942E-05	2.634E-05	3.39	1.326E-03
572	0.785	8.180E-02	13.5	0.180	4.053E+03	1.156E-05	4.416E-05	7.24	1.448E-03
573	0.439	8.752E-02	14.7	0.151	2.242E+03	4.199E-05	5.198E-05	32.2	2.239E-04
574	0.614	0.132	10.5	0.409	3.942E+03	1.744E-05	3.113E-05	7.03	8.146E-04
575	0.587	0.118	15.6	8.495E-02	2.508E+03	1.066E-05	4.624E-05	8.88	1.673E-03
576	0.580	0.126	57.6	2.353E-02	3.631E+03	3.662E-05	3.052E-05	1.92	3.286E-03
577	0.479	7.751E-02	5.19	0.379	2.820E+03	2.168E-05	5.495E-05	5.70	1.799E-03
578	0.523	9.675E-02	4.68	9.763E-03	2.799E+03	2.150E-05	2.527E-05	1.83	1.808E-03
579	0.476	0.114	3.09	2.08	3.331E+03	2.237E-05	5.596E-05	16.5	7.073E-04
580	0.701	0.115	6.25	0.494	5.444E+03	2.299E-05	1.422E-04	1.97	2.921E-03
581	0.497	9.014E-02	9.32	0.489	2.347E+03	4.509E-05	3.329E-05	4.90	5.092E-04
582	0.703	8.956E-02	1.26	2.18	3.458E+03	1.859E-04	1.083E-04	12.4	1.497E-03
583	0.511	0.126	4.56	0.280	3.056E+03	2.215E-05	5.232E-05	5.84	8.011E-03
584	0.492	0.127	0.549	0.380	4.730E+03	2.260E-05	7.619E-05	4.47	2.302E-03
585	0.661	9.623E-02	13.7	0.768	2.574E+03	2.029E-05	2.729E-05	31.7	7.575E-04

586	0.676	0.105	10.6	0.207	4.151E+03	1.633E-05	4.509E-05	3.68	4.857E-04
587	0.588	0.119	4.85	1.238E-02	5.350E+03	2.055E-05	2.536E-05	3.70	5.884E-04
588	0.475	0.124	3.06	3.968E-02	1.728E+03	1.055E-05	5.376E-05	5.59	2.752E-03
589	0.647	0.104	24.6	5.564E-03	2.487E+03	1.846E-05	4.375E-05	6.99	1.659E-03
590	0.684	8.238E-02	6.59	0.528	5.964E+03	1.527E-05	5.492E-05	7.52	7.222E-04
591	0.516	0.115	7.00	0.446	4.097E+03	2.307E-05	5.076E-05	14.8	1.112E-03
592	0.579	0.106	9.71	0.218	2.364E+03	4.622E-05	2.752E-05	26.0	2.027E-03
593	0.706	9.398E-02	25.1	0.878	3.484E+03	2.097E-05	5.286E-05	5.19	8.395E-04
594	0.546	9.727E-02	4.77	6.57	1.922E+03	1.291E-05	5.476E-05	5.94	1.029E-03
595	0.776	9.176E-02	8.70	0.142	3.655E+03	1.075E-05	5.054E-05	1.65	1.746E-04
596	0.543	0.123	13.8	5.21	4.839E+03	2.063E-05	4.143E-05	40.2	2.922E-04
597	0.597	7.912E-02	26.9	0.111	2.791E+03	1.761E-05	2.951E-05	3.48	5.199E-04
598	0.579	9.570E-02	6.49	0.131	3.446E+03	2.255E-05	2.585E-05	16.1	7.045E-03
599	0.474	9.948E-02	12.8	0.808	3.004E+03	2.286E-05	3.647E-05	17.8	1.182E-03
600	0.698	9.275E-02	6.43	0.240	2.217E+03	2.062E-05	2.631E-04	14.5	1.802E-04
601	0.512	9.152E-02	7.04	6.20	2.990E+03	1.377E-05	5.315E-05	51.4	5.684E-04
602	0.710	8.557E-02	3.36	6.550E-02	1.679E+03	2.218E-05	1.015E-04	16.2	4.670E-03
603	0.547	0.100	2.12	0.119	2.385E+03	2.051E-05	5.588E-05	19.8	9.626E-04
604	0.694	0.114	8.55	4.94	4.649E+03	3.944E-05	9.887E-05	15.4	2.996E-03
605	0.749	0.100	28.3	0.725	4.688E+03	2.177E-05	3.182E-05	6.57	2.001E-03
606	0.566	0.106	18.1	0.919	4.257E+03	4.552E-05	5.267E-05	1.05	2.800E-03
607	0.510	0.124	0.665	1.75	1.896E+03	1.739E-05	2.853E-05	2.04	2.647E-04
608	0.582	0.124	7.78	2.05	3.226E+03	1.095E-05	4.940E-05	13.7	4.391E-03
609	0.532	0.119	1.33	0.988	2.420E+03	2.229E-05	5.659E-05	210.	7.428E-03
610	0.628	7.647E-02	109.	4.750E-02	2.355E+03	1.048E-05	5.767E-05	1.48	3.939E-03
611	0.476	9.603E-02	12.9	3.106E-02	4.927E+03	2.159E-05	5.303E-05	9.45	5.436E-04
612	0.631	9.333E-02	40.5	0.623	3.154E+03	2.793E-05	1.243E-04	6.67	3.557E-04
613	0.511	0.120	10.0	0.270	3.217E+03	5.568E-05	5.288E-05	8.01	1.280E-03
614	0.564	0.123	14.2	0.800	5.703E+03	2.230E-05	5.433E-05	65.6	1.085E-03
615	0.476	8.873E-02	1.37	0.331	3.845E+03	2.175E-05	3.525E-05	34.0	4.128E-03

616	0.469	0.106	47.1	0.307	3.898E+03	2.229E-05	5.648E-05	20.7	2.551E-04
617	0.418	0.132	0.962	1.67	3.122E+03	2.274E-05	5.144E-05	4.99	1.705E-04
618	0.659	0.104	9.79	2.727E-03	3.488E+03	2.282E-05	1.712E-04	28.7	6.601E-04
619	0.678	7.952E-02	5.47	0.998	4.672E+03	2.208E-05	4.043E-05	4.27	1.502E-03
620	0.719	0.106	5.22	33.4	1.650E+03	4.740E-05	5.341E-05	7.64	2.039E-03
621	0.623	8.308E-02	23.4	1.50	3.098E+03	9.575E-05	5.876E-05	2.87	6.513E-04
622	0.696	0.114	5.04	0.271	4.200E+03	1.481E-05	5.401E-05	3.07	3.096E-03
623	0.699	0.133	8.08	0.451	5.676E+03	2.239E-05	5.642E-05	12.9	3.114E-03
624	0.515	0.117	3.18	1.28	3.165E+03	2.128E-05	2.559E-04	4.05	1.102E-04
625	0.526	0.100	14.4	9.136E-02	5.054E+03	2.125E-05	5.237E-05	2.09	2.040E-03
626	0.707	9.106E-02	3.57	0.135	3.428E+03	3.932E-05	3.772E-05	5.04	1.528E-04
627	0.539	0.106	4.61	0.355	2.283E+03	3.566E-05	3.852E-05	24.2	3.200E-03
628	0.553	0.125	4.71	0.306	5.914E+03	2.172E-05	5.691E-05	3.54	2.972E-03
629	0.575	0.117	11.9	5.850E-04	2.363E+03	1.856E-05	1.249E-04	5.68	7.704E-04
630	0.605	9.481E-02	11.8	1.601E-02	5.199E+03	1.044E-04	5.762E-05	6.72	3.367E-04
631	0.700	0.108	5.79	1.22	7.056E+03	1.076E-04	5.446E-05	1.46	2.145E-03
632	0.474	0.100	9.30	0.108	2.476E+03	4.409E-05	5.694E-05	6.46	1.652E-03
633	0.696	0.135	25.3	9.906E-02	3.285E+03	2.286E-05	5.415E-05	8.05	1.901E-03
634	0.512	9.193E-02	2.22	3.480E-02	3.914E+03	2.226E-05	2.446E-04	32.6	7.377E-04
635	0.566	0.101	19.4	0.777	2.660E+03	2.116E-05	2.779E-05	12.7	3.276E-03
636	0.516	0.105	11.1	2.26	3.561E+03	3.193E-05	2.511E-04	11.2	4.840E-04
637	0.470	9.777E-02	14.2	0.275	2.857E+03	1.996E-05	4.962E-05	1.04	4.075E-04
638	0.618	9.081E-02	0.713	1.013E-02	2.487E+03	6.593E-05	3.150E-05	13.0	1.026E-04
639	0.598	0.117	2.94	1.01	3.022E+03	2.306E-05	2.697E-05	4.11	1.463E-03
640	0.568	0.101	1.97	0.327	6.040E+03	1.990E-05	4.820E-05	7.20	6.625E-04
641	0.569	8.776E-02	3.28	4.76	3.552E+03	2.123E-05	5.681E-05	34.6	1.287E-03
642	0.559	7.772E-02	23.1	0.435	4.032E+03	1.100E-05	4.271E-05	1.55	6.721E-05
643	0.541	0.119	6.19	0.148	4.049E+03	2.280E-05	5.217E-05	2.21	5.169E-04
644	0.624	9.880E-02	9.92	1.723E-02	3.460E+03	1.319E-05	5.765E-05	10.6	6.353E-04
645	0.540	0.103	3.02	0.124	4.598E+03	1.271E-05	3.301E-05	28.8	1.980E-03

646	0.551	0.124	5.64	1.398E-02	4.457E+03	1.489E-05	5.086E-05	47.2	1.119E-03
647	0.504	0.107	4.57	0.725	2.926E+03	7.143E-05	2.627E-05	1.03	4.530E-04
648	0.474	8.392E-02	7.63	1.53	2.046E+03	2.273E-05	5.723E-05	26.2	1.680E-03
649	0.620	0.127	6.19	2.559E-02	5.130E+03	1.610E-05	5.440E-05	1.67	5.208E-03
650	0.653	0.116	3.43	0.524	3.244E+03	2.171E-05	4.300E-05	3.79	3.526E-04
651	0.555	9.855E-02	6.82	0.391	3.962E+03	2.113E-05	4.426E-05	2.50	2.629E-03
652	0.546	7.928E-02	7.90	0.496	3.477E+03	4.447E-05	5.542E-05	1.75	1.596E-03
653	0.495	0.136	18.4	7.344E-02	2.185E+03	2.058E-05	2.207E-04	27.7	5.413E-03
654	0.485	9.926E-02	2.08	0.159	2.871E+03	2.142E-05	5.713E-05	4.85	1.864E-03
655	0.506	0.109	3.88	7.745E-02	3.606E+03	2.167E-05	5.254E-05	12.2	8.660E-03
656	0.490	8.390E-02	7.82	1.58	3.358E+03	2.240E-05	5.526E-05	2.72	5.375E-04
657	0.520	9.455E-02	12.5	1.35	7.718E+03	2.210E-05	5.221E-05	15.3	9.018E-04
658	0.777	0.105	11.3	0.887	6.446E+03	2.272E-05	5.459E-05	9.07	2.315E-03
659	0.555	8.813E-02	32.9	0.421	2.435E+03	2.173E-05	3.401E-05	13.4	3.270E-04
660	0.502	8.661E-02	9.95	7.73	4.219E+03	3.238E-05	4.948E-05	3.82	2.706E-03
661	0.636	0.113	6.96	4.903E-02	2.750E+03	2.027E-05	4.612E-05	2.47	3.680E-04
662	0.544	8.864E-02	20.8	10.4	2.303E+03	2.617E-05	1.066E-04	4.82	1.124E-04
663	0.695	9.238E-02	2.03	6.783E-02	3.876E+03	1.358E-05	4.096E-05	131.	1.231E-03
664	0.527	0.113	5.84	0.172	3.191E+03	1.345E-05	2.687E-04	11.8	5.145E-04
665	0.621	0.118	4.19	0.140	2.098E+03	2.283E-05	5.373E-05	4.24	4.314E-04
666	0.556	0.103	4.69	6.815E-02	4.183E+03	1.049E-05	5.545E-05	4.41	1.053E-03
667	0.585	0.121	7.19	0.158	2.444E+03	1.810E-05	9.236E-05	3.18	1.627E-03
668	0.494	8.428E-02	4.61	0.717	2.201E+03	2.304E-05	5.706E-05	2.36	1.656E-03
669	0.616	0.109	13.0	1.339E-02	2.236E+03	2.123E-05	1.913E-04	1.87	8.810E-04
670	0.610	0.112	3.70	1.59	3.706E+03	1.608E-05	5.740E-05	2.38	5.049E-03
671	0.658	8.211E-02	8.54	0.164	2.818E+03	3.905E-05	5.100E-05	9.67	9.748E-04
672	0.480	0.111	1.03	0.696	2.084E+03	1.729E-05	3.926E-05	7.06	6.924E-04
673	0.711	9.933E-02	6.95	0.303	2.549E+03	2.060E-05	5.348E-05	119.	2.931E-03
674	0.538	0.138	22.8	6.192E-02	3.937E+03	1.953E-05	5.253E-05	6.20	1.138E-03
675	0.508	9.318E-02	2.12	2.83	2.631E+03	8.291E-05	5.707E-05	1.59	1.396E-03

676	0.564	0.118	1.27	0.912	5.624E+03	2.194E-05	8.162E-05	7.13	1.167E-03
677	0.503	9.767E-02	9.08	2.645E-02	1.791E+03	1.286E-05	4.325E-05	8.55	3.829E-03
678	0.567	8.467E-02	2.06	5.85	6.544E+03	2.224E-05	5.202E-05	1.77	7.283E-03
679	0.485	9.665E-02	6.52	0.160	2.410E+03	2.220E-05	5.509E-05	14.0	5.754E-04
680	0.518	9.380E-02	2.46	5.68	2.694E+03	2.264E-05	3.650E-05	8.38	4.218E-04
681	0.458	7.961E-02	36.6	0.250	3.441E+03	1.371E-05	7.466E-05	19.2	1.826E-02
682	0.590	9.927E-02	3.35	0.231	2.624E+03	2.809E-05	5.638E-05	31.2	9.046E-04
683	0.445	0.117	5.21	9.811E-02	2.415E+03	2.162E-05	5.491E-05	26.5	1.445E-03
684	0.457	0.123	17.8	2.42	1.365E+03	1.488E-05	1.259E-04	8.21	1.585E-03
685	0.508	8.892E-02	6.55	0.290	3.704E+03	2.278E-05	5.162E-05	24.7	2.211E-04
686	0.569	9.280E-02	3.58	2.699E-02	2.777E+03	7.708E-05	2.510E-05	37.1	3.724E-04
687	0.499	0.122	4.21	9.80	3.465E+03	2.134E-05	4.934E-05	6.10	3.607E-04
688	0.647	0.135	12.2	0.371	1.404E+03	2.215E-05	4.433E-05	1.40	3.798E-03
689	0.618	9.670E-02	9.62	1.32	5.106E+03	3.576E-05	5.157E-05	58.2	7.430E-04
690	0.663	0.115	1.24	0.151	2.125E+03	2.204E-05	5.285E-05	2.05	3.087E-03
691	0.467	0.123	10.4	5.884E-02	2.738E+03	2.289E-05	5.586E-05	7.37	2.189E-03
692	0.559	0.112	20.1	1.06	5.775E+03	1.709E-05	1.261E-04	3.70	1.240E-03
693	0.526	9.983E-02	6.65	0.109	4.560E+03	5.685E-05	4.178E-05	2.96	4.676E-04
694	0.680	0.112	15.7	0.278	4.344E+03	2.163E-05	4.810E-05	2.34	1.591E-03
695	0.522	0.122	8.25	0.520	4.094E+03	2.245E-05	5.305E-05	61.0	4.413E-03
696	0.589	8.895E-02	3.98	0.514	3.317E+03	2.196E-05	8.645E-05	5.37	4.461E-03
697	0.580	7.786E-02	1.99	0.285	4.628E+03	1.244E-05	6.215E-05	111.	2.776E-03
698	0.503	0.113	9.37	14.1	4.801E+03	2.093E-05	3.032E-05	16.8	1.417E-03
699	0.532	0.105	1.78	0.117	2.772E+03	5.017E-05	4.733E-05	2.41	1.793E-04
700	0.705	9.186E-02	7.90	3.144E-02	1.457E+03	1.888E-05	7.562E-05	1.50	2.190E-04
701	0.548	9.509E-02	3.30	0.743	3.119E+03	1.426E-05	5.543E-05	2.81	2.908E-04
702	0.639	0.107	59.0	17.3	2.766E+03	5.279E-05	1.360E-04	7.22	1.025E-03
703	0.673	0.107	21.8	3.245E-02	3.761E+03	1.042E-05	5.168E-05	11.5	9.586E-04
704	0.453	0.139	2.72	0.104	3.408E+03	2.254E-05	5.214E-05	2.52	2.557E-03
705	0.618	0.120	48.4	0.176	4.671E+03	1.118E-05	5.651E-05	2.57	1.082E-03

706	0.578	8.630E-02	3.64	2.20	2.157E+03	3.652E-05	5.075E-05	13.8	7.958E-04
707	0.484	9.427E-02	2.26	0.149	2.908E+03	1.701E-05	6.711E-05	6.28	1.321E-04
708	0.738	9.781E-02	3.95	1.261E-02	3.954E+03	1.151E-05	5.174E-05	2.76	2.351E-03
709	0.485	0.105	3.54	5.41	3.842E+03	3.157E-05	5.418E-05	3.71	7.794E-04
710	0.525	9.502E-02	3.04	13.7	3.014E+03	2.121E-05	4.447E-05	3.81	3.043E-03
711	0.546	0.130	17.8	7.845E-03	6.100E+03	1.864E-05	5.724E-05	2.20	9.833E-04
712	0.533	8.165E-02	3.50	0.527	6.362E+03	1.903E-05	5.513E-05	1.28	5.707E-04
713	0.590	0.102	9.41	5.280E-02	4.072E+03	1.843E-05	3.735E-05	1.95	7.538E-04
714	0.473	0.112	12.9	0.835	3.658E+03	2.083E-05	4.647E-05	30.5	2.076E-04
715	0.533	8.942E-02	3.59	0.197	2.593E+03	1.818E-05	3.146E-05	2.68	2.073E-03
716	0.484	8.749E-02	14.1	2.32	2.531E+03	1.954E-05	5.769E-05	22.6	8.192E-04
717	0.654	9.207E-02	7.58	0.144	3.280E+03	1.252E-05	5.245E-05	80.7	3.231E-04
718	0.517	0.111	11.8	0.571	4.163E+03	1.957E-05	4.063E-05	23.2	6.148E-03
719	0.553	0.102	11.2	0.657	5.317E+03	2.292E-05	5.720E-05	8.25	1.864E-04
720	0.599	8.148E-02	16.6	0.201	3.019E+03	1.651E-05	4.724E-05	54.7	3.626E-04
721	0.505	0.110	11.7	1.22	3.094E+03	2.244E-05	5.314E-05	57.7	3.855E-03
722	0.512	0.125	1.09	0.666	3.649E+03	1.003E-05	5.289E-05	15.7	9.903E-04
723	0.688	9.479E-02	13.4	6.35	2.640E+03	1.082E-05	3.812E-05	126.	1.061E-04
724	0.533	0.106	11.2	2.13	3.923E+03	1.722E-05	5.234E-05	11.0	3.894E-03
725	0.606	0.126	3.99	0.780	3.750E+03	1.298E-05	4.493E-05	14.7	2.183E-03
726	0.602	0.116	5.93	0.968	4.765E+03	1.946E-05	3.241E-05	18.8	3.692E-03
727	0.604	0.105	30.9	3.112E-03	4.536E+03	2.841E-05	2.613E-04	8.50	1.825E-03
728	0.547	8.974E-02	5.47	6.10	3.918E+03	1.040E-05	5.579E-05	16.6	1.168E-03
729	0.657	8.965E-02	24.0	2.736E-02	3.336E+03	2.033E-05	3.313E-05	2.79	1.518E-03
730	0.605	9.052E-02	6.87	0.340	3.083E+03	1.588E-05	5.643E-05	6.29	1.795E-03
731	0.739	0.128	10.7	0.482	2.585E+03	1.179E-05	3.094E-05	19.1	3.972E-03
732	0.587	9.331E-02	12.9	0.298	1.880E+03	2.052E-05	1.169E-04	13.2	1.497E-03
733	0.604	0.101	3.87	0.177	4.476E+03	2.160E-05	3.922E-05	11.8	5.067E-03
734	0.522	8.718E-02	4.23	0.304	2.706E+03	9.343E-05	3.878E-05	2.29	5.784E-04
735	0.592	0.123	7.76	0.710	3.724E+03	9.453E-05	4.782E-05	18.5	1.812E-03

736	0.708	8.739E-02	2.91	0.292	6.289E+03	2.217E-05	5.646E-05	2.06	4.910E-04
737	0.558	9.143E-02	86.5	0.200	3.193E+03	3.323E-05	2.973E-05	28.6	3.143E-03
738	0.675	0.103	25.3	0.672	3.618E+03	2.242E-05	5.067E-05	14.0	6.444E-04
739	0.672	0.122	4.06	9.630E-02	3.810E+03	2.107E-05	3.884E-05	21.7	5.953E-04
740	0.510	0.117	42.4	0.289	4.103E+03	1.334E-05	3.952E-05	7.89	1.769E-03
741	0.419	0.119	8.14	3.649E-02	2.211E+03	3.007E-05	2.643E-05	4.60	1.069E-03
742	0.605	9.956E-02	9.90	0.173	3.542E+03	3.360E-05	1.130E-04	7.87	3.713E-04
743	0.636	0.107	12.6	0.578	3.934E+03	2.090E-05	3.603E-05	2.91	1.315E-03
744	0.558	0.105	19.9	8.845E-02	2.422E+03	2.275E-05	7.780E-05	13.4	4.079E-03
745	0.532	0.101	3.42	3.20	2.567E+03	1.439E-05	5.487E-05	56.9	1.213E-04
746	0.767	0.111	4.75	6.641E-03	3.531E+03	8.882E-05	5.729E-05	59.6	9.294E-04
747	0.624	8.249E-02	26.8	5.998E-03	2.937E+03	1.712E-05	2.757E-05	3.72	7.095E-04
748	0.565	0.102	18.2	2.036E-02	5.175E+03	3.110E-05	5.122E-05	2.45	6.051E-04
749	0.614	0.121	4.16	5.01	4.851E+03	1.076E-05	7.309E-05	6.39	9.648E-04
750	0.641	8.647E-02	5.30	0.259	2.939E+03	1.060E-05	5.524E-05	3.04	1.743E-03
751	0.498	0.104	12.5	8.898E-03	2.372E+03	2.144E-05	2.099E-04	2.90	1.356E-03
752	0.636	0.106	10.5	0.115	2.895E+03	2.095E-05	5.441E-05	17.5	6.199E-04
753	0.716	9.914E-02	4.41	5.15	3.346E+03	1.993E-05	3.628E-05	15.5	1.263E-04
754	0.523	0.139	3.53	1.849E-02	2.465E+03	2.075E-05	1.339E-04	11.9	1.298E-03
755	0.672	9.498E-02	10.2	0.416	2.297E+03	2.106E-05	3.283E-05	6.96	7.862E-04
756	0.609	8.381E-02	6.01	4.31	3.053E+03	2.737E-05	2.578E-04	4.00	4.733E-03
757	0.640	0.131	15.1	6.742E-02	2.558E+03	1.542E-05	5.516E-05	8.85	2.164E-03
758	0.572	9.737E-02	7.67	0.101	1.618E+03	2.248E-05	5.409E-05	6.80	8.681E-04
759	0.760	9.829E-02	66.2	2.592E-02	3.298E+03	2.276E-05	3.658E-05	4.34	2.284E-03
760	0.489	9.531E-02	15.9	0.714	2.594E+03	1.457E-05	5.312E-05	2.71	2.542E-04
761	0.720	0.110	1.67	0.335	2.824E+03	4.280E-05	5.432E-05	7.98	5.652E-04
762	0.545	9.772E-02	20.3	0.365	2.576E+03	2.178E-05	4.576E-05	35.0	3.851E-04
763	0.563	0.120	4.92	0.687	4.567E+03	2.013E-05	2.691E-05	290.	3.013E-04
764	0.505	0.109	1.80	3.034E-02	6.192E+03	1.173E-05	9.098E-05	25.8	5.859E-04
765	0.756	8.533E-02	2.56	6.256E-02	2.703E+03	2.895E-05	5.058E-05	12.7	1.225E-03

766	0.569	0.108	2.01	1.16	3.770E+03	1.364E-05	1.220E-04	10.7	5.432E-04
767	0.613	0.101	7.05	5.656E-02	1.834E+03	1.880E-05	5.394E-05	34.4	6.277E-04
768	0.599	9.811E-02	18.7	41.8	2.655E+03	1.580E-05	5.121E-05	1.17	4.300E-04
769	0.723	9.301E-02	6.76	0.155	2.029E+03	2.114E-05	4.589E-05	6.23	6.214E-04
770	0.570	0.105	11.1	0.851	3.801E+03	1.467E-05	8.314E-05	5.74	3.300E-03
771	0.458	8.492E-02	28.0	0.392	2.775E+03	1.162E-05	5.661E-05	7.48	1.321E-03
772	0.687	9.435E-02	2.33	0.186	2.451E+03	1.793E-05	5.465E-05	6.66	9.386E-04
773	0.576	0.116	2.15	0.506	2.447E+03	1.851E-05	5.263E-05	7.59	6.413E-03
774	0.642	0.104	9.56	2.17	4.315E+03	2.112E-05	3.817E-05	2.59	1.212E-03
775	0.638	0.113	32.7	4.302E-02	2.954E+03	2.202E-05	5.207E-05	4.13	8.282E-04
776	0.532	9.336E-02	5.50	5.78	3.517E+03	2.268E-05	8.208E-05	4.52	1.163E-03
777	0.537	0.113	23.0	3.16	3.426E+03	1.805E-05	2.839E-05	4.36	1.145E-03
778	0.562	9.834E-02	21.3	0.209	3.491E+03	2.300E-05	2.679E-05	3.64	1.141E-03
779	0.755	0.131	77.7	0.794	2.708E+03	1.660E-05	5.316E-05	1.28	2.975E-04
780	0.790	0.128	8.34	2.503E-02	3.109E+03	2.160E-05	2.673E-05	5.95	2.461E-03
781	0.677	0.101	29.1	4.431E-03	3.136E+03	2.649E-05	2.415E-04	7.16	1.836E-03
782	0.678	9.249E-02	3.45	2.785E-02	3.144E+03	2.196E-05	4.295E-05	1.36	1.244E-03
783	0.548	0.115	1.38	7.401E-02	4.470E+03	1.030E-04	5.064E-05	5.30	1.046E-03
784	0.464	0.106	5.39	0.144	2.834E+03	2.153E-05	5.094E-05	44.0	4.226E-03
785	0.482	0.127	2.31	2.423E-02	2.550E+03	2.079E-05	3.786E-05	11.5	2.145E-04
786	0.535	0.108	3.69	1.42	2.163E+03	2.171E-05	5.456E-05	6.14	1.441E-03
787	0.642	0.141	6.45	5.130E-02	3.534E+03	1.509E-05	8.723E-05	4.73	5.019E-03
788	0.521	0.111	1.70	3.57	2.287E+03	2.185E-05	5.625E-05	8.08	7.858E-05
789	0.455	8.827E-02	4.34	0.384	3.663E+03	1.870E-05	4.775E-05	26.5	1.048E-03
790	0.432	9.563E-02	3.26	1.64	2.697E+03	1.939E-05	4.993E-05	1.93	4.473E-04
791	0.423	0.104	4.01	8.579E-02	3.969E+03	2.267E-05	5.294E-05	10.5	1.180E-03
792	0.641	0.106	8.88	1.70	4.585E+03	2.273E-05	3.397E-05	7.92	7.360E-04
793	0.603	8.912E-02	4.72	8.546E-02	3.901E+03	2.035E-05	5.470E-05	4.59	5.034E-04
794	0.520	0.121	25.9	0.154	2.229E+03	1.442E-05	5.166E-05	26.1	1.235E-03
795	0.487	0.113	2.87	4.054E-02	2.942E+03	2.289E-05	2.312E-04	10.3	1.964E-03

796	0.487	9.616E-02	89.6	0.588	2.719E+03	2.216E-05	3.348E-05
116.	8.882E-04						
797	0.602	9.822E-02	24.7	3.578E-02	3.248E+03	2.131E-05	3.340E-05
65.1	5.672E-03						
798	0.557	0.107	20.1	1.11	2.616E+03	2.080E-05	5.478E-05
2.33	3.916E-04						
799	0.511	0.119	22.9	7.590E-02	1.857E+03	1.219E-05	5.531E-05
2.28	3.251E-04						
800	0.592	0.126	11.4	1.18	2.713E+03	2.035E-05	1.207E-04
2.58	1.016E-03						
801	0.467	0.109	6.17	0.497	1.720E+03	3.117E-05	4.837E-05
7.66	2.457E-04						
802	0.688	9.942E-02	1.83	2.38	5.141E+03	1.032E-05	4.361E-05
1.81	1.419E-03						
803	0.712	0.103	24.4	5.99	4.294E+03	2.067E-05	3.632E-05
2.48	4.358E-03						
804	0.498	0.104	2.91	2.72	2.802E+03	4.799E-05	9.780E-05
69.1	1.099E-03						
805	0.515	0.111	74.4	1.569E-02	3.565E+03	5.078E-05	5.052E-05
4.78	1.089E-03						
806	0.724	0.105	2.74	5.426E-02	4.350E+03	3.682E-05	5.296E-05
18.4	1.920E-03						
807	0.693	9.465E-02	7.11	1.61	3.908E+03	1.430E-05	5.351E-05
4.98	5.851E-03						
808	0.670	0.114	5.82	1.08	2.732E+03	2.186E-05	5.318E-05
1.33	5.581E-04						
809	0.465	7.599E-02	1.77	0.313	7.891E+03	1.008E-05	5.751E-05
7.96	3.820E-04						
810	0.721	0.115	20.4	2.24	2.401E+03	2.078E-05	5.452E-05
9.38	1.476E-03						
811	0.645	8.804E-02	8.58	0.889	2.304E+03	1.801E-05	2.363E-04
18.7	8.778E-04						
812	0.471	0.117	2.85	0.316	2.287E+03	2.177E-05	4.116E-05
6.05	1.552E-03						
813	0.534	0.110	4.37	0.410	2.453E+03	1.796E-05	1.137E-04
5.77	2.614E-03						
814	0.676	9.965E-02	0.936	0.136	4.321E+03	2.213E-05	5.386E-05
30.3	6.533E-04						
815	0.522	8.653E-02	6.23	1.227E-02	3.140E+03	5.143E-05	5.634E-05
13.2	8.863E-04						
816	0.560	0.112	16.9	0.364	2.572E+03	2.303E-05	4.705E-05
2.35	2.364E-04						
817	0.496	8.938E-02	13.4	0.398	2.885E+03	2.266E-05	7.178E-05
16.9	1.837E-03						
818	0.697	0.104	28.7	0.738	2.477E+03	2.277E-05	5.673E-05
1.80	5.555E-03						
819	0.577	7.873E-02	2.54	7.727E-02	4.825E+03	1.497E-05	5.398E-05
23.4	6.451E-04						
820	0.574	0.110	29.7	0.571	2.883E+03	2.261E-05	4.397E-05
14.7	1.002E-03						
821	0.529	0.114	12.3	0.626	5.035E+03	2.149E-05	2.800E-04
44.8	4.103E-03						
822	0.622	0.102	4.86	1.39	3.926E+03	7.945E-05	5.689E-05
33.6	9.510E-04						
823	0.554	0.105	11.3	1.026E-02	2.652E+03	1.719E-05	1.178E-04
4.67	1.606E-04						
824	0.559	0.118	22.0	6.654E-02	3.848E+03	2.124E-05	4.747E-05
9.23	3.983E-03						
825	0.613	9.916E-02	5.07	1.62	3.462E+03	2.224E-05	8.126E-05
5.09	2.468E-03						

826 0.547 0.117 58.9 0.674 6.068E+03 1.562E-05
2.272E-04 2.22 3.034E-04
827 0.536 0.116 7.50 0.471 2.600E+03 2.040E-05
7.087E-05 1.81 2.437E-04
828 0.556 8.259E-02 37.2 1.653E-02 3.765E+03 2.172E-05
1.312E-04 3.40 4.393E-04
829 0.478 0.101 3.52 2.548E-02 3.615E+03 1.638E-05
4.086E-05 86.8 2.941E-04
830 0.682 9.489E-02 2.69 0.125 1.755E+03 1.049E-04
5.362E-05 12.6 3.992E-04
831 0.512 8.928E-02 29.3 3.174E-02 4.548E+03 1.029E-05
5.682E-05 5.98 2.214E-04
832 0.582 9.443E-02 15.2 1.23 2.340E+03 1.425E-05
2.941E-05 46.0 1.244E-02
833 0.441 9.252E-02 20.4 0.369 3.717E+03 1.282E-05
5.177E-05 12.3 1.210E-03
834 0.459 9.033E-02 6.68 4.88 2.782E+03 2.031E-05
5.435E-05 1.26 9.675E-04
835 0.616 0.105 16.2 0.220 2.790E+03 2.078E-05
5.394E-05 21.9 1.350E-03
836 0.515 0.133 3.47 0.200 3.216E+03 2.070E-05
5.197E-05 14.0 2.291E-03
837 0.588 0.120 6.32 0.441 1.932E+03 2.253E-05
8.875E-05 15.7 8.312E-05
838 0.454 0.114 17.0 2.10 4.442E+03 1.598E-05
6.627E-05 35.8 2.760E-03
839 0.577 0.126 7.07 0.125 2.392E+03 1.977E-05
5.283E-05 4.81 1.894E-03
840 0.538 7.889E-02 7.64 1.18 3.718E+03 2.093E-05
5.572E-05 22.3 4.482E-04
841 0.701 0.111 6.74 4.07 1.677E+03 4.844E-05
3.294E-05 29.8 5.224E-04
842 0.529 9.494E-02 26.2 0.825 3.026E+03 2.283E-05
5.265E-05 4.08 8.538E-03
843 0.588 8.334E-02 5.50 0.404 3.214E+03 3.375E-05
5.755E-05 14.4 1.608E-04
844 0.495 0.103 8.32 6.28 2.192E+03 2.548E-05
5.497E-05 75.7 4.884E-03
845 0.772 9.600E-02 5.86 1.998E-02 2.891E+03 1.197E-05
1.272E-04 1.42 2.857E-04
846 0.563 0.130 9.82 7.110E-02 3.963E+03 2.244E-05
3.566E-05 36.1 2.323E-04
847 0.604 8.973E-02 0.977 2.054E-02 4.396E+03 2.278E-05
5.073E-05 10.7 2.875E-04
848 0.584 9.199E-02 7.68 0.150 4.298E+03 7.497E-05
3.009E-05 25.3 4.756E-03
849 0.560 0.103 6.30 1.34 3.610E+03 5.447E-05
1.324E-04 8.59 2.622E-03
850 0.534 0.118 15.3 0.185 4.660E+03 3.788E-05
5.155E-05 4.33 3.460E-03
851 0.568 0.109 27.2 0.240 2.622E+03 1.004E-04
5.680E-05 19.8 5.142E-03
852 0.637 0.130 60.2 1.68 3.266E+03 5.189E-05
4.049E-05 15.6 2.737E-04
853 0.501 0.106 2.44 0.111 3.613E+03 2.193E-05
1.101E-04 13.7 9.051E-03
854 0.471 9.992E-02 4.08 3.863E-02 4.193E+03 1.461E-05
5.663E-05 39.2 3.939E-04
855 0.644 0.105 3.14 0.444 4.140E+03 7.364E-05
5.126E-05 1.68 2.584E-03

856	0.700	9.327E-02	1.64	6.999E-02	2.169E+03	2.092E-05	9.118E-05	1.85	1.281E-04
857	0.568	9.937E-02	21.4	8.350E-02	3.767E+03	2.233E-05	5.193E-05	9.58	7.313E-04
858	0.600	0.137	1.98	3.285E-02	4.222E+03	3.518E-05	2.655E-05	70.3	4.732E-04
859	0.701	0.122	5.27	0.199	2.525E+03	2.103E-05	3.476E-05	33.3	6.990E-04
860	0.683	0.122	36.1	0.132	3.276E+03	2.139E-05	5.575E-05	2.57	3.392E-03
861	0.491	0.106	5.15	1.88	2.873E+03	2.912E-05	4.383E-05	1.70	3.239E-04
862	0.445	0.110	3.89	0.424	4.404E+03	1.185E-05	5.635E-05	22.1	3.767E-04
863	0.567	0.119	3.63	9.91	3.237E+03	1.114E-05	1.028E-04	11.2	7.570E-03
864	0.567	0.118	18.8	2.04	1.887E+03	1.647E-05	5.169E-05	8.40	2.648E-03
865	0.614	0.106	2.80	0.550	3.393E+03	6.363E-05	4.761E-05	13.5	7.062E-04
866	0.586	0.116	2.81	2.58	2.853E+03	1.016E-04	5.057E-05	1.31	9.559E-03
867	0.677	0.133	30.6	0.173	4.022E+03	1.107E-05	3.416E-05	3.38	4.783E-04
868	0.621	8.998E-02	6.22	0.513	3.196E+03	2.192E-05	3.847E-05	10.5	9.754E-04
869	0.593	0.120	10.4	0.140	3.363E+03	1.036E-05	6.527E-05	3.09	1.247E-03
870	0.690	9.994E-02	4.43	0.309	4.307E+03	2.227E-05	1.797E-04	40.5	8.242E-04
871	0.722	0.102	2.02	4.47	4.077E+03	2.105E-05	5.483E-05	2.86	1.689E-03
872	0.721	8.186E-02	1.34	3.215E-02	2.036E+03	9.786E-05	5.146E-05	14.4	1.907E-03
873	0.479	9.739E-02	20.0	0.373	3.752E+03	1.907E-05	4.443E-05	1.32	2.121E-03
874	0.625	0.111	3.91	2.94	2.011E+03	2.220E-05	5.548E-05	17.1	2.122E-04
875	0.627	8.504E-02	8.05	4.189E-02	3.295E+03	1.066E-04	5.271E-05	5.17	9.946E-04
876	0.673	0.107	7.22	0.214	2.050E+03	2.262E-05	2.896E-05	12.1	9.127E-04
877	0.799	9.585E-02	4.80	8.401E-03	2.770E+03	1.727E-05	1.005E-04	5.08	6.970E-04
878	0.616	0.127	3.76	3.974E-02	2.646E+03	2.082E-05	4.558E-05	2.25	6.941E-04
879	0.566	8.838E-02	4.05	0.600	2.455E+03	2.431E-05	5.078E-05	16.0	1.822E-04
880	0.613	0.109	5.70	0.105	4.702E+03	2.075E-05	5.383E-05	30.0	2.861E-03
881	0.561	0.135	78.9	0.137	3.992E+03	2.059E-05	6.380E-05	11.8	6.286E-03
882	0.744	0.113	5.76	2.63	4.416E+03	2.174E-05	3.988E-05	12.0	5.929E-04
883	0.571	0.113	6.57	0.584	2.701E+03	1.088E-05	5.422E-05	98.1	7.171E-03
884	0.679	9.215E-02	35.2	3.055E-02	2.199E+03	1.751E-05	1.356E-04	5.62	9.525E-04
885	0.525	0.111	4.33	0.156	4.887E+03	1.585E-05	9.791E-05	8.18	5.833E-04

886	0.528	0.142	4.49	0.293	2.911E+03	5.028E-05	8.463E-05	13.7	1.361E-03
887	0.660	0.107	2.62	0.262	4.421E+03	2.122E-05	1.758E-04	3.65	3.873E-04
888	0.668	0.123	4.19	1.41	4.992E+03	1.827E-05	4.770E-05	1.89	7.300E-05
889	0.655	0.115	21.1	2.69	4.982E+03	1.375E-05	5.591E-05	20.8	8.717E-04
890	0.740	8.993E-02	20.9	7.288E-02	5.003E+03	1.192E-05	3.104E-05	7.42	1.311E-02
891	0.516	0.115	15.9	0.163	2.753E+03	1.389E-05	5.230E-05	20.3	9.371E-04
892	0.578	8.225E-02	31.3	5.497E-02	2.708E+03	2.225E-05	5.715E-05	27.1	3.668E-04
893	0.612	8.668E-02	5.62	2.469E-02	2.828E+03	1.413E-05	2.537E-04	7.79	1.547E-03
894	0.525	0.112	16.7	4.938E-02	3.049E+03	1.255E-05	4.850E-05	9.99	1.421E-02
895	0.650	8.345E-02	3.73	0.965	3.600E+03	1.381E-05	5.255E-05	1.52	4.984E-04
896	0.528	9.717E-02	6.91	2.843E-02	3.558E+03	1.578E-05	5.211E-05	38.3	1.717E-02
897	0.690	8.620E-02	12.3	0.188	2.184E+03	1.444E-05	3.549E-05	19.7	1.033E-03
898	0.598	8.199E-02	39.4	5.920E-02	4.600E+03	7.905E-05	5.270E-05	6.94	6.963E-04
899	0.539	8.963E-02	8.60	8.197E-02	3.388E+03	5.520E-05	4.547E-05	4.56	3.186E-04
900	0.643	9.638E-02	6.50	8.49	5.234E+03	2.077E-05	5.436E-05	36.8	1.157E-03
901	0.577	0.113	1.90	3.25	3.359E+03	3.503E-05	5.573E-05	20.1	1.040E-03
902	0.573	0.110	7.17	1.14	1.713E+03	2.199E-05	5.413E-05	6.42	1.369E-03
903	0.437	9.103E-02	9.76	0.755	3.504E+03	1.384E-05	5.277E-05	3.11	8.165E-04
904	0.603	0.112	4.89	0.749	3.233E+03	1.736E-05	5.366E-05	8.72	8.596E-04
905	0.442	8.444E-02	10.3	1.03	3.181E+03	2.305E-05	3.452E-05	1.53	3.239E-03
906	0.452	0.105	19.8	0.255	3.230E+03	7.213E-05	3.703E-05	15.5	3.462E-04
907	0.685	9.195E-02	9.67	0.221	1.768E+03	2.045E-05	5.654E-05	4.68	1.200E-03
908	0.590	7.467E-02	29.2	4.66	4.947E+03	1.130E-05	4.025E-05	64.3	2.470E-04
909	0.509	0.124	2.20	2.00	2.131E+03	1.630E-05	3.967E-05	10.0	3.279E-05
910	0.760	0.137	28.9	3.591E-02	2.384E+03	4.325E-05	4.797E-05	27.9	4.944E-04
911	0.626	9.291E-02	3.68	3.386E-02	3.242E+03	1.571E-05	7.716E-05	1.45	3.145E-04
912	0.466	0.117	19.4	0.375	4.496E+03	3.400E-05	5.747E-05	38.9	3.434E-04
913	0.680	0.131	3.92	0.752	4.751E+03	2.100E-05	5.733E-05	4.40	1.406E-03
914	0.562	8.764E-02	2.79	0.128	2.296E+03	2.071E-05	5.621E-05	23.5	2.304E-03
915	0.533	8.519E-02	7.71	0.328	2.280E+03	2.206E-05	4.487E-05	20.5	2.954E-03

916	0.657	0.103	22.0	6.110E-02	3.402E+03	3.840E-05	3.935E-05	2.62	9.710E-04
917	0.449	0.108	6.13	2.84	2.650E+03	1.950E-05	5.766E-05	6.87	3.716E-03
918	0.769	8.678E-02	10.2	0.134	3.138E+03	2.157E-05	4.076E-05	17.0	5.073E-04
919	0.612	9.799E-02	6.70	0.223	2.838E+03	1.601E-05	5.397E-05	4.62	6.471E-04
920	0.557	7.802E-02	11.4	3.63	3.592E+03	2.258E-05	3.963E-05	45.1	3.832E-03
921	0.548	0.107	10.0	4.173E-02	4.719E+03	1.200E-05	5.103E-05	4.46	1.572E-03
922	0.630	0.115	8.09	1.96	2.794E+03	5.113E-05	3.440E-05	6.69	5.363E-03
923	0.649	8.263E-02	96.1	0.487	2.785E+03	9.862E-05	6.589E-05	8.32	8.191E-03
924	0.585	0.121	8.38	1.91	2.396E+03	2.145E-05	4.122E-05	1.44	5.311E-03
925	0.460	0.107	13.5	0.107	4.247E+03	2.156E-05	5.182E-05	13.5	2.213E-03
926	0.453	0.120	39.9	0.204	2.967E+03	1.683E-05	5.717E-05	3.57	5.259E-05
927	0.544	0.124	6.83	7.543E-02	3.328E+03	1.963E-05	7.132E-05	7.82	1.056E-02
928	0.653	0.124	17.7	1.665E-02	3.379E+03	1.681E-05	1.086E-04	5.22	2.130E-03
929	0.436	0.103	5.60	0.319	3.510E+03	5.612E-05	5.249E-05	1.46	7.021E-04
930	0.627	0.121	0.681	0.429	6.232E+03	1.177E-05	5.617E-05	14.9	4.369E-04
931	0.670	0.129	2.42	0.442	2.690E+03	5.270E-05	4.172E-05	8.47	8.740E-04
932	0.478	0.119	8.76	1.75	5.593E+03	2.122E-05	3.573E-05	4.58	2.531E-04
933	0.719	9.911E-02	3.19	3.06	3.205E+03	2.098E-05	3.527E-05	5.71	4.586E-04
934	0.598	8.285E-02	11.3	0.414	3.724E+03	2.024E-05	4.154E-05	6.90	4.819E-04
935	0.656	9.184E-02	5.03	3.84	4.434E+03	1.567E-05	2.519E-04	1.37	5.676E-03
936	0.638	0.101	9.40	3.51	3.169E+03	1.092E-05	5.499E-05	6.12	1.071E-03
937	0.674	0.116	3.15	0.130	2.730E+03	2.086E-05	5.150E-05	8.65	1.295E-03
938	0.559	0.110	7.35	0.146	3.862E+03	2.669E-05	5.115E-05	1.18	1.611E-03
939	0.607	8.821E-02	4.46	1.52	3.444E+03	6.981E-05	5.245E-05	9.62	6.130E-04
940	0.543	0.110	3.55	0.161	4.697E+03	1.835E-05	1.155E-04	4.37	7.456E-04
941	0.514	9.953E-02	9.23	0.238	4.714E+03	4.586E-05	8.777E-05	3.49	2.114E-03
942	0.764	0.115	2.04	0.591	3.307E+03	1.758E-05	2.779E-05	18.2	8.891E-03
943	0.669	0.100	5.80	4.826E-02	2.741E+03	1.546E-05	4.903E-05	1.71	9.864E-04
944	0.717	0.109	4.62	29.8	3.588E+03	1.227E-05	4.535E-05	2.64	1.207E-02
945	0.730	0.122	5.13	1.08	3.808E+03	1.549E-05	4.198E-05	2.02	2.265E-04

946	0.607	0.133	44.4	0.632	4.017E+03	2.250E-05	5.489E-05	18.9	9.778E-05
947	0.567	0.109	12.4	0.194	5.082E+03	1.900E-05	1.123E-04	1.77	5.649E-04
948	0.475	9.656E-02	4.25	1.086E-02	3.675E+03	2.082E-05	3.265E-05	12.3	1.661E-04
949	0.694	0.109	2.99	1.32	3.200E+03	2.116E-05	3.123E-05	1.01	2.026E-03
950	0.595	0.116	12.7	6.932E-02	4.238E+03	2.220E-05	1.170E-04	12.4	9.270E-04
951	0.538	8.499E-02	1.62	0.193	1.827E+03	2.151E-05	5.419E-05	16.2	1.694E-03
952	0.536	9.169E-02	5.44	2.228E-02	2.830E+03	2.096E-05	1.224E-04	2.10	1.062E-03
953	0.600	8.595E-02	36.9	3.09	3.414E+03	2.129E-05	5.629E-05	1.59	4.693E-04
954	0.605	8.767E-02	10.1	0.122	3.047E+03	1.233E-05	5.186E-05	4.65	1.760E-03
955	0.664	0.101	112.	0.263	4.958E+03	2.218E-05	5.131E-05	5.27	4.059E-04
956	0.563	8.275E-02	23.4	0.333	3.397E+03	3.453E-05	5.484E-05	6.00	4.712E-04
957	0.652	0.109	5.74	1.21	2.621E+03	5.058E-05	2.824E-05	8.29	1.354E-04
958	0.653	0.110	11.6	0.467	3.311E+03	2.298E-05	3.397E-04	19.9	3.075E-04
959	0.563	7.503E-02	1.86	4.655E-02	2.832E+03	2.294E-05	5.664E-05	1.49	1.221E-03
960	0.494	0.111	4.26	0.687	2.921E+03	2.201E-05	2.577E-05	3.20	2.420E-04
961	0.480	9.710E-02	15.1	0.105	2.080E+03	1.549E-05	5.410E-05	188.	2.724E-03
962	0.648	0.118	10.8	1.15	3.829E+03	2.262E-05	5.391E-05	7.93	2.060E-04
963	0.552	0.101	1.07	0.458	2.072E+03	1.651E-04	5.333E-05	5.34	4.807E-04
964	0.557	0.102	16.9	1.35	3.450E+03	2.020E-05	5.429E-05	10.2	9.333E-04
965	0.571	9.699E-02	2.54	1.00	2.496E+03	1.327E-05	5.109E-05	1.91	4.554E-03
966	0.717	9.420E-02	19.7	5.481E-02	3.886E+03	1.341E-05	5.321E-05	310.	5.446E-03
967	0.663	9.038E-02	2.34	0.537	3.626E+03	2.136E-05	5.165E-05	10.5	1.330E-03
968	0.783	0.107	23.3	1.56	2.998E+03	2.169E-05	1.513E-04	12.2	5.736E-04
969	0.531	0.100	3.38	0.127	3.741E+03	2.302E-05	2.792E-05	180.	4.731E-04
970	0.506	9.647E-02	23.7	0.272	3.283E+03	2.379E-05	5.241E-05	5.79	3.093E-04
971	0.456	0.130	6.80	5.399E-02	3.784E+03	2.233E-05	1.285E-04	2.15	4.352E-04
972	0.439	9.114E-02	9.25	12.0	2.175E+03	2.117E-05	4.683E-05	4.03	3.741E-03
973	0.687	0.122	1.84	8.260E-02	2.494E+03	1.515E-05	3.068E-05	3.26	1.334E-03
974	0.611	9.027E-02	6.07	4.57	1.865E+03	2.246E-05	1.097E-04	19.6	4.965E-04
975	0.536	9.099E-02	14.2	7.946E-02	2.803E+03	1.356E-05	4.703E-05	2.89	1.507E-04

976	0.434	9.574E-02	44.6	9.722E-02	2.686E+03	2.237E-05	3.000E-05
3.00	3.329E-03						
977	0.702	0.104	5.95	1.24	2.950E+03	2.298E-05	6.324E-05
5.45	2.202E-03						
978	0.732	0.108	9.33	4.63	6.145E+03	2.021E-05	5.450E-05
2.51	1.483E-03						
979	0.727	0.110	9.43	1.85	4.207E+03	1.070E-05	5.737E-05
143.	1.256E-03						
980	0.563	0.112	3.84	0.211	2.467E+03	1.618E-05	2.397E-04
45.4	3.889E-03						
981	0.529	0.123	43.2	20.1	3.080E+03	2.982E-05	5.229E-05
5.89	3.326E-03						
982	0.650	0.109	0.905	8.735E-02	3.556E+03	2.293E-05	5.734E-05
3.23	5.618E-04						
983	0.712	0.121	3.38	7.806E-02	2.671E+03	1.335E-05	5.235E-05
17.3	2.958E-04						
984	0.449	0.128	22.3	3.47	3.624E+03	2.307E-05	4.929E-05
1.32	1.753E-03						
985	0.660	0.101	33.3	6.53	3.523E+03	2.066E-05	5.052E-05
42.5	3.996E-04						
986	0.553	0.107	1.52	0.103	2.326E+03	2.179E-05	3.515E-05
5.16	4.657E-04						
987	0.634	9.353E-02	9.65	0.593	3.234E+03	1.522E-05	5.125E-05
34.8	5.486E-03						
988	0.544	9.786E-02	8.84	0.903	2.338E+03	1.671E-05	5.676E-05
3.97	4.635E-03						
989	0.541	0.104	13.6	0.130	2.859E+03	2.054E-05	3.601E-05
55.4	4.110E-04						
990	0.664	0.100	4.73	2.65	2.633E+03	1.469E-05	9.590E-05
2.92	1.694E-04						
991	0.519	0.117	11.9	1.058E-02	4.185E+03	3.704E-05	2.616E-05
6.45	6.020E-04						
992	0.647	0.102	4.50	0.113	4.365E+03	3.997E-05	3.711E-05
43.7	1.736E-04						
993	0.811	0.108	16.4	0.183	3.376E+03	2.009E-05	2.163E-04
1.90	2.417E-03						
994	0.615	0.119	1.54	0.120	5.464E+03	2.584E-05	5.488E-05
4.30	1.309E-03						
995	0.758	0.122	1.40	0.977	3.497E+03	2.073E-05	5.605E-05
11.5	2.267E-03						
996	0.564	0.124	10.6	1.68	4.339E+03	1.641E-05	6.083E-05
16.3	8.399E-04						
997	0.596	9.320E-02	1.30	1.33	1.538E+03	2.108E-05	5.148E-05
3.43	1.066E-03						
998	0.678	0.107	2.21	1.87	2.865E+03	2.027E-05	5.605E-05
21.4	5.905E-03						
999	0.592	9.384E-02	7.97	1.17	3.473E+03	2.004E-05	4.417E-05
20.1	7.717E-04						
1000	0.524	9.644E-02	4.53	0.256	3.409E+03	2.244E-05	5.730E-05
3.29	8.348E-03						

RANKS OF LATIN HYPERCUBE SAMPLE INPUT VECTORS

RUN NO.	X(1)	X(2)	X(3)	X(4)	X(5)	X(6)	X(7)	X(8)	X(9)
1	38.	329.	631.	259.	954.	614.	158.	237.	266.
2	807.	283.	592.	802.	288.	425.	111.	129.	771.
3	455.	908.	269.	708.	639.	100.	745.	160.	5.
4	674.	704.	844.	51.	433.	478.	634.	394.	220.
5	983.	765.	523.	626.	395.	807.	28.	501.	143.
6	290.	284.	588.	115.	254.	967.	345.	12.	913.
7	685.	532.	658.	41.	475.	9.	432.	260.	327.
8	696.	522.	110.	154.	713.	279.	469.	878.	468.
9	138.	519.	791.	704.	956.	600.	447.	576.	491.
10	990.	957.	774.	546.	157.	997.	176.	735.	97.
11	123.	358.	159.	828.	43.	548.	77.	887.	917.
12	952.	494.	881.	967.	562.	873.	519.	278.	687.
13	584.	239.	322.	135.	663.	444.	109.	995.	246.
14	976.	854.	165.	673.	513.	259.	392.	418.	35.
15	24.	820.	542.	867.	175.	785.	50.	124.	50.
16	297.	625.	926.	109.	410.	138.	742.	992.	859.
17	750.	275.	886.	550.	605.	936.	801.	531.	651.
18	647.	270.	254.	257.	768.	105.	521.	614.	557.
19	608.	1000.	997.	355.	861.	250.	548.	779.	96.
20	293.	184.	117.	207.	167.	294.	29.	819.	867.
21	754.	316.	160.	561.	403.	445.	495.	831.	171.
22	519.	510.	66.	130.	974.	185.	886.	979.	236.
23	288.	404.	86.	918.	567.	364.	683.	834.	340.
24	936.	749.	94.	757.	155.	526.	608.	283.	80.
25	718.	385.	147.	232.	78.	831.	268.	970.	890.
26	331.	258.	627.	943.	434.	872.	514.	469.	984.
27	27.	223.	274.	576.	525.	204.	630.	813.	324.

28	706.	55.	510.	580.	298.	615.	266.	136.	606.
29	300.	259.	755.	72.	304.	718.	10.	947.	330.
30	337.	979.	298.	993.	534.	552.	350.	814.	596.
31	653.	645.	744.	245.	126.	440.	641.	488.	381.
32	680.	641.	556.	112.	83.	776.	46.	859.	840.
33	86.	437.	71.	13.	963.	103.	279.	245.	104.
34	321.	973.	984.	544.	390.	712.	219.	792.	483.
35	731.	222.	340.	930.	710.	371.	8.	684.	200.
36	576.	893.	792.	426.	140.	298.	66.	282.	252.
37	907.	169.	674.	19.	120.	808.	696.	455.	544.
38	768.	837.	920.	22.	423.	608.	346.	565.	315.
39	666.	938.	144.	243.	232.	246.	856.	266.	447.
40	812.	700.	715.	377.	561.	379.	643.	18.	473.
41	464.	554.	293.	29.	790.	485.	782.	528.	165.
42	416.	24.	809.	667.	203.	196.	539.	73.	83.
43	715.	600.	799.	203.	479.	63.	600.	208.	437.
44	757.	897.	793.	701.	654.	296.	148.	674.	351.
45	457.	944.	925.	698.	860.	912.	593.	339.	118.
46	721.	214.	265.	705.	657.	744.	442.	603.	958.
47	705.	40.	960.	216.	7.	161.	587.	585.	516.
48	939.	918.	199.	583.	207.	29.	483.	359.	509.
49	506.	985.	91.	985.	231.	940.	645.	612.	259.
50	899.	402.	16.	543.	900.	456.	998.	92.	174.
51	523.	485.	754.	917.	844.	681.	642.	512.	377.
52	365.	342.	260.	436.	256.	325.	750.	13.	762.
53	145.	89.	60.	1000.	919.	592.	213.	163.	54.
54	695.	247.	408.	394.	103.	374.	489.	498.	966.
55	253.	672.	708.	171.	221.	310.	105.	87.	857.
56	133.	914.	504.	121.	118.	995.	972.	285.	199.
57	465.	570.	618.	42.	756.	415.	9.	703.	148.

58	368.	9.	587.	370.	962.	334.	676.
642.	635.						
59	664.	158.	856.	126.	676.	994.	863.
656.	725.						
60	617.	617.	836.	684.	730.	518.	534.
524.	526.						
61	381.	771.	622.	420.	449.	601.	311.
527.	605.						
62	673.	731.	240.	353.	272.	914.	882.
889.	411.						
63	735.	411.	158.	894.	950.	796.	840.
848.	337.						
64	607.	934.	187.	454.	975.	834.	942.
966.	527.						
65	730.	294.	226.	252.	800.	290.	624.
546.	110.						
66	560.	215.	814.	695.	243.	671.	690.
724.	195.						
67	615.	2.	543.	509.	339.	633.	448.
817.	620.						
68	959.	465.	387.	810.	509.	396.	848.
195.	109.						
69	699.	446.	661.	727.	607.	916.	994.
564.	511.						
70	21.	982.	22.	9.	422.	468.	798.
69.	997.						
71	824.	679.	33.	300.	542.	908.	726.
81.	320.						
72	398.	655.	923.	363.	615.	524.	663.
364.	387.						
73	713.	116.	677.	374.	938.	278.	446.
810.	140.						
74	918.	474.	7.	634.	58.	473.	516.
625.	742.						
75	811.	171.	151.	347.	59.	135.	80.
807.	814.						
76	842.	238.	544.	494.	889.	774.	419.
115.	125.						
77	691.	543.	514.	102.	731.	405.	408.
736.	112.						
78	676.	657.	928.	574.	526.	453.	144.
711.	991.						
79	323.	612.	241.	904.	575.	979.	228.
75.	713.						
80	697.	26.	348.	421.	142.	359.	975.
252.	177.						
81	942.	51.	722.	402.	190.	763.	138.
232.	534.						
82	737.	486.	437.	329.	769.	629.	271.
238.	967.						
83	345.	22.	771.	508.	524.	553.	69.
553.	311.						
84	856.	716.	882.	498.	110.	368.	948.
8.	2.						
85	861.	989.	275.	819.	365.	813.	829.
868.	646.						
86	54.	23.	114.	437.	493.	492.	126.
544.	475.						
87	456.	14.	735.	780.	360.	652.	333.
76.	230.						

88	393.	236.	56.	175.	432.	176.	123.	757.	154.		
89	270.	755.	282.	408.	447.	261.	129.	25.	786.		
90	687.	933.	526.	563.	910.	23.	97.	659.	308.		
91	467.	189.	910.	575.	801.	479.	457.	926.	951.		
92	475.	323.	371.	99.	820.	727.	857.	200.	14.		
93	284.	627.	758.	734.	666.	407.	607.	611.	401.		
94	392.	111.	675.	835.	88.	68.	49.	371.	953.		
95	641.	583.	693.	649.	15.	486.	78.	924.	373.		
96	135.	535.	951.	87.	330.	696.	899.	636.	514.		
97	315.	483.	705.	596.	106.	512.	584.	344.	669.		
98	951.	348.	351.	68.	325.	788.	342.	557.	866.		
99	130.	157.	767.	468.	554.	217.	532.	308.	419.		
100	269.	433.	385.	181.	70.	6.	240.	628.	591.		
101	372.	41.	775.	538.	833.	230.	133.	159.	392.		
102	102.	713.	492.	521.	195.	145.	809.	663.	639.		
103	4.	972.	554.	88.	651.	530.	668.	457.	584.		
104	384.	106.	80.	833.	690.	891.	802.	899.	806.		
105	473.	464.	756.	381.	441.	275.	471.	265.	319.		
106	755.	268.	738.	913.	856.	283.	403.	249.	274.		
107	149.	185.	210.	182.	505.	684.	940.	867.	898.		
108	739.	435.	712.	566.	827.	327.	275.	360.	400.		
109	268.	203.	750.	471.	785.	433.	878.	689.	344.		
110	213.	974.	620.	929.	122.	910.	771.	573.	62.		
111	370.	200.	720.	661.	387.	534.	94.	956.	144.		
112	223.	42.	672.	450.	244.	604.	524.	390.	896.		
113	955.	906.	202.	160.	775.	682.	650.	354.	945.		
114	189.	594.	403.	35.	867.	159.	269.	904.	34.		
115	250.	814.	788.	716.	824.	136.	6.	225.	272.		
116	34.	936.	392.	163.	631.	862.	596.	190.	190.		
117	915.	1.	81.	750.	696.	789.	820.	322.	307.		

118	512.	691.	684.	779.	683.	420.	244.	740.	380.		
119	587.	896.	638.	449.	90.	308.	950.	85.	986.		
120	367.	332.	965.	697.	549.	793.	743.	915.	221.		
121	95.	525.	78.	490.	471.	595.	826.	216.	302.		
122	734.	201.	752.	711.	885.	438.	949.	215.	560.		
123	809.	835.	38.	849.	326.	408.	116.	783.	58.		
124	322.	266.	727.	423.	158.	392.	482.	242.	628.		
125	150.	11.	845.	916.	369.	206.	185.	218.	384.		
126	157.	114.	914.	150.	131.	985.	956.	251.	743.		
127	788.	619.	634.	665.	368.	360.	391.	263.	929.		
128	71.	190.	851.	142.	832.	753.	947.	798.	833.		
129	350.	732.	191.	356.	177.	821.	747.	579.	820.		
130	492.	15.	887.	417.	240.	286.	928.	608.	484.		
131	313.	964.	436.	966.	431.	228.	173.	460.	561.		
132	602.	204.	84.	256.	212.	243.	406.	346.	900.		
133	28.	152.	615.	699.	929.	108.	335.	701.	694.		
134	285.	622.	731.	895.	942.	850.	420.	329.	535.		
135	362.	681.	477.	613.	720.	238.	423.	74.	158.		
136	175.	412.	935.	753.	948.	946.	626.	592.	86.		
137	7.	878.	853.	878.	580.	749.	689.	517.	732.		
138	122.	833.	420.	250.	660.	43.	214.	414.	643.		
139	661.	534.	30.	151.	265.	258.	731.	264.	481.		
140	773.	4.	942.	725.	222.	856.	192.	634.	824.		
141	181.	415.	47.	40.	227.	384.	876.	624.	540.		
142	29.	128.	918.	935.	691.	901.	157.	503.	716.		
143	684.	723.	152.	600.	723.	149.	523.	990.	422.		
144	657.	925.	35.	640.	299.	305.	507.	786.	538.		
145	170.	649.	258.	749.	457.	905.	388.	906.	450.		
146	770.	952.	50.	797.	436.	798.	139.	891.	409.		
147	385.	35.	846.	621.	123.	449.	633.	551.	489.		

148 328. 278. 739. 278. 809. 587.
810. 577. 696.
149 622. 293. 497. 857. 50. 887.
225. 720. 756.
150 33. 531. 667. 585. 319. 339.
210. 369. 469.
151 993. 894. 610. 288. 953. 672.
561. 473. 815.
152 785. 43. 740. 513. 94. 172.
841. 586. 985.
153 686. 343. 122. 198. 393. 57.
831. 33. 834.
154 736. 360. 308. 880. 210. 42.
380. 600. 921.
155 13. 903. 692. 6. 424. 476.
870. 112. 776.
156 554. 828. 364. 754. 170. 70.
988. 946. 949.
157 58. 501. 639. 836. 822. 710.
651. 633. 316.
158 698. 634. 1000. 892. 629. 651.
589. 30. 782.
159 645. 955. 990. 748. 269. 164.
960. 921. 592.
160 48. 356. 438. 379. 37. 198.
836. 604. 391.
161 204. 432. 2. 64. 530. 110.
306. 110. 92.
162 199. 920. 489. 868. 1000. 934.
930. 446. 802.
163 592. 502. 574. 397. 119. 520.
722. 182. 429.
164 887. 881. 817. 441. 668. 357.
479. 863. 218.
165 943. 300. 483. 368. 959. 189.
364. 147. 169.
166 765. 499. 911. 52. 621. 376.
574. 850. 297.
167 124. 405. 812. 979. 364. 184.
691. 166. 593.
168 360. 147. 953. 610. 612. 55.
776. 965. 416.
169 566. 528. 619. 883. 670. 404.
57. 809. 133.
170 418. 937. 553. 844. 482. 698.
165. 326. 645.
171 704. 707. 520. 969. 927. 293.
196. 660. 813.
172 144. 17. 573. 166. 435. 341.
510. 198. 32.
173 357. 888. 390. 137. 672. 397.
964. 739. 793.
174 173. 851. 779. 653. 217. 454.
896. 561. 196.
175 482. 858. 373. 444. 264. 82.
944. 847. 211.
176 658. 812. 417. 813. 687. 694.
935. 480. 290.
177 201. 192. 640. 85. 539. 117.
181. 721. 627.

178	908.	884.	612.	149.	34.	972.	462.	370.	853.		
179	742.	120.	737.	807.	111.	550.	262.	976.	341.		
180	763.	756.	670.	122.	67.	437.	961.	536.	653.		
181	701.	253.	125.	887.	149.	211.	952.	400.	818.		
182	694.	95.	695.	56.	773.	949.	581.	333.	363.		
183	265.	902.	143.	2.	841.	772.	595.	483.	899.		
184	247.	389.	89.	803.	270.	323.	638.	849.	999.		
185	307.	445.	195.	164.	865.	506.	121.	626.	753.		
186	536.	523.	820.	650.	363.	991.	159.	357.	1000.		
187	620.	336.	19.	457.	453.	154.	912.	940.	572.		
188	129.	844.	335.	799.	349.	494.	399.	726.	965.		
189	77.	206.	607.	411.	152.	639.	859.	931.	99.		
190	413.	303.	439.	206.	114.	886.	96.	974.	368.		
191	112.	150.	804.	39.	215.	414.	512.	375.	399.		
192	502.	695.	980.	489.	459.	489.	338.	846.	397.		
193	16.	416.	119.	514.	53.	510.	661.	545.	783.		
194	941.	333.	597.	744.	358.	255.	170.	695.	495.		
195	184.	996.	175.	792.	29.	537.	656.	591.	804.		
196	303.	96.	501.	438.	312.	716.	304.	262.	396.		
197	354.	32.	301.	334.	728.	885.	348.	484.	746.		
198	930.	912.	415.	283.	437.	13.	670.	605.	629.		
199	823.	136.	500.	732.	940.	836.	114.	429.	265.		
200	324.	220.	557.	619.	478.	69.	468.	3.	770.		
201	802.	367.	95.	710.	850.	276.	75.	752.	717.		
202	335.	79.	762.	741.	65.	874.	65.	969.	103.		
203	364.	847.	565.	479.	838.	590.	207.	243.	72.		
204	363.	916.	17.	668.	442.	635.	793.	437.	766.		
205	552.	145.	870.	957.	843.	504.	976.	597.	129.		
206	979.	212.	237.	922.	738.	270.	905.	951.	365.		
207	612.	341.	637.	217.	996.	930.	662.	26.	22.		

208	688.	313.	65.	57.	81.	996.	317.	806.	394.
209	798.	308.	185.	212.	408.	791.	289.	288.	654.
210	962.	709.	784.	10.	24.	365.	915.	23.	57.
211	790.	671.	252.	469.	715.	2.	149.	28.	863.
212	310.	471.	455.	138.	218.	460.	231.	156.	108.
213	498.	482.	384.	723.	9.	841.	889.	963.	811.
214	89.	573.	140.	567.	458.	589.	832.	616.	214.
215	358.	374.	222.	66.	418.	168.	877.	447.	209.
216	559.	85.	281.	276.	754.	835.	261.	780.	710.
217	999.	946.	854.	652.	44.	466.	602.	784.	21.
218	800.	830.	570.	82.	293.	626.	124.	330.	300.
219	151.	706.	133.	282.	33.	482.	767.	609.	178.
220	478.	319.	314.	870.	430.	896.	640.	903.	339.
221	226.	748.	706.	927.	438.	557.	95.	800.	263.
222	373.	895.	496.	791.	537.	832.	517.	123.	865.
223	779.	345.	533.	478.	241.	951.	54.	588.	530.
224	476.	350.	135.	776.	719.	237.	132.	199.	636.
225	852.	790.	92.	481.	234.	597.	541.	11.	764.
226	623.	126.	446.	412.	500.	132.	98.	916.	708.
227	963.	47.	67.	285.	512.	804.	775.	892.	884.
228	910.	45.	36.	524.	705.	667.	494.	295.	356.
229	98.	922.	347.	362.	315.	65.	316.	184.	567.
230	663.	846.	178.	838.	91.	928.	496.	559.	600.
231	759.	632.	61.	387.	13.	98.	260.	61.	336.
232	127.	368.	280.	961.	755.	400.	658.	24.	293.
233	371.	413.	872.	383.	428.	367.	13.	957.	769.
234	254.	392.	790.	707.	945.	419.	713.	212.	740.
235	490.	71.	63.	242.	26.	346.	784.	386.	269.
236	411.	694.	673.	197.	529.	529.	320.	449.	918.
237	339.	988.	106.	959.	96.	915.	973.	445.	768.

238	966.	398.	123.	291.	859.	208.	230.	824.	239.
239	546.	479.	524.	427.	815.	303.	40.	981.	977.
240	613.	643.	833.	318.	776.	691.	792.	566.	800.
241	860.	939.	217.	433.	49.	767.	790.	789.	275.
242	431.	945.	930.	843.	635.	659.	351.	716.	361.
243	769.	555.	353.	180.	18.	516.	186.	78.	962.
244	239.	926.	173.	687.	813.	562.	637.	305.	521.
245	956.	148.	898.	293.	545.	116.	359.	664.	877.
246	900.	426.	256.	238.	382.	599.	329.	725.	994.
247	604.	242.	602.	963.	51.	470.	895.	393.	847.
248	994.	7.	785.	354.	89.	18.	535.	925.	842.
249	349.	13.	39.	373.	399.	174.	162.	42.	775.
250	507.	410.	577.	656.	711.	337.	394.	842.	522.
251	848.	901.	999.	958.	703.	157.	955.	406.	598.
252	970.	604.	452.	30.	370.	824.	725.	465.	98.
253	101.	806.	378.	758.	597.	372.	880.	36.	624.
254	355.	775.	76.	888.	634.	322.	997.	901.	611.
255	896.	633.	644.	103.	305.	273.	440.	917.	417.
256	945.	245.	642.	827.	946.	709.	761.	746.	781.
257	115.	507.	979.	669.	6.	285.	480.	799.	82.
258	526.	351.	808.	587.	420.	229.	977.	991.	940.
259	511.	129.	422.	522.	186.	877.	433.	421.	40.
260	858.	406.	864.	691.	594.	409.	746.	763.	754.
261	504.	869.	630.	463.	638.	477.	291.	922.	388.
262	312.	282.	55.	821.	268.	697.	172.	383.	147.
263	374.	408.	376.	147.	780.	46.	699.	128.	31.
264	912.	774.	998.	784.	697.	41.	702.	942.	152.
265	746.	780.	8.	816.	812.	787.	61.	177.	615.
266	805.	279.	40.	875.	761.	539.	671.	883.	395.
267	669.	198.	495.	435.	881.	382.	531.	29.	876.

268	932.	668.	343.	536.	842.	602.	221.
161.	258.						
269	437.	787.	909.	503.	641.	544.	657.
987.	730.						
270	10.	735.	13.	366.	897.	140.	545.
148.	454.						
271	19.	386.	283.	16.	979.	653.	684.
572.	733.						
272	525.	940.	471.	3.	490.	989.	772.
203.	61.						
273	448.	469.	840.	584.	55.	469.	860.
822.	130.						
274	960.	734.	894.	676.	2.	942.	464.
879.	440.						
275	909.	73.	531.	340.	180.	343.	369.
392.	799.						
276	273.	537.	959.	977.	48.	819.	245.
9.	830.						
277	895.	110.	869.	717.	324.	49.	812.
292.	658.						
278	421.	390.	943.	971.	125.	944.	490.
401.	250.						
279	889.	197.	134.	989.	852.	931.	906.
114.	702.						
280	440.	208.	966.	642.	994.	923.	236.
313.	565.						
281	514.	434.	569.	873.	162.	37.	478.
387.	415.						
282	432.	670.	880.	302.	548.	705.	701.
652.	142.						
283	862.	924.	184.	560.	460.	130.	241.
135.	338.						
284	222.	546.	985.	398.	770.	461.	32.
181.	503.						
285	496.	115.	197.	230.	80.	385.	824.
575.	784.						
286	88.	291.	770.	447.	991.	40.	93.
554.	237.						
287	266.	981.	724.	416.	467.	92.	387.
923.	222.						
288	6.	984.	230.	352.	409.	894.	286.
301.	944.						
289	528.	311.	969.	461.	271.	71.	687.
688.	43.						
290	234.	628.	312.	557.	139.	257.	620.
787.	186.						
291	481.	467.	632.	612.	837.	123.	959.
854.	181.						
292	449.	559.	395.	886.	598.	439.	717.
481.	630.						
293	167.	673.	694.	740.	700.	558.	3.
548.	210.						
294	32.	377.	279.	960.	383.	378.	751.
515.	989.						
295	611.	248.	855.	214.	235.	858.	44.
230.	789.						
296	711.	954.	545.	746.	294.	221.	7.
258.	141.						
297	654.	740.	132.	605.	468.	581.	518.
17.	441.						

298	484.	370.	289.	134.	752.	527.	381.	973.	665.
299	574.	174.	223.	769.	57.	823.	251.	276.	328.
300	427.	495.	932.	336.	883.	251.	456.	349.	906.
301	356.	53.	746.	641.	741.	623.	363.	648.	63.
302	410.	430.	213.	726.	373.	8.	332.	640.	541.
303	361.	3.	163.	762.	993.	628.	727.	971.	864.
304	888.	272.	534.	832.	819.	96.	414.	377.	787.
305	271.	705.	970.	244.	970.	144.	438.	189.	801.
306	662.	363.	342.	326.	724.	982.	780.	830.	954.
307	534.	629.	850.	863.	896.	178.	48.	860.	479.
308	52.	84.	721.	897.	480.	929.	692.	191.	357.
309	905.	339.	503.	615.	702.	567.	736.	391.	8.
310	540.	967.	127.	783.	402.	344.	246.	884.	939.
311	390.	16.	798.	161.	56.	133.	141.	64.	502.
312	154.	998.	97.	190.	205.	412.	88.	541.	418.
313	591.	233.	718.	976.	926.	186.	358.	801.	631.
314	797.	811.	648.	220.	342.	513.	415.	463.	706.
315	846.	500.	370.	589.	99.	748.	530.	310.	751.
316	320.	44.	69.	184.	201.	232.	981.	584.	589.
317	717.	94.	189.	367.	538.	170.	622.	193.	459.
318	50.	475.	967.	811.	209.	517.	362.	972.	692.
319	556.	448.	169.	125.	377.	797.	178.	10.	956.
320	155.	104.	413.	131.	727.	964.	182.	919.	829.
321	97.	452.	182.	233.	417.	704.	437.	57.	126.
322	214.	375.	498.	132.	746.	637.	64.	317.	562.
323	445.	62.	244.	145.	960.	754.	990.	410.	619.
324	925.	665.	355.	905.	555.	207.	943.	440.	306.
325	683.	817.	493.	800.	796.	304.	655.	311.	105.
326	252.	794.	653.	702.	159.	191.	374.	920.	100.
327	944.	216.	68.	852.	405.	911.	427.	363.	172.

328 139. 146. 208. 380. 341. 868.
572. 690. 33.
329 703. 969. 113. 639. 340. 321.
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330 119. 503. 369. 972. 516. 661.
288. 253. 11.
331 51. 121. 257. 724. 389. 201.
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332 929. 558. 703. 946. 709. 319.
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333 62. 889. 249. 422. 262. 503.
989. 432. 13.
334 840. 271. 821. 133. 669. 881.
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335 409. 217. 273. 728. 791. 262.
707. 669. 838.
336 799. 48. 490. 327. 242. 51.
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337 543. 160. 776. 906. 385. 177.
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338 892. 378. 603. 270. 559. 386.
52. 197. 845.
339 96. 168. 457. 442. 376. 980.
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340 803. 255. 927. 499. 472. 947.
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341 314. 240. 598. 540. 107. 618.
879. 222. 107.
342 433. 400. 58. 925. 673. 647.
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343 187. 642. 917. 518. 179. 500.
551. 900. 763.
344 264. 449. 41. 511. 302. 580.
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345 672. 874. 215. 770. 511. 4.
679. 748. 901.
346 578. 273. 529. 496. 821. 214.
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347 503. 758. 357. 597. 662. 880.
830. 385. 774.
348 585. 331. 412. 599. 546. 971.
522. 945. 497.
349 242. 591. 707. 592. 903. 892.
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350 949. 317. 468. 173. 854. 464.
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351 863. 472. 317. 782. 574. 903.
372. 15. 855.
352 885. 105. 994. 999. 30. 701.
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353 756. 141. 540. 926. 191. 509.
872. 761. 358.
354 562. 470. 624. 719. 766. 693.
597. 776. 18.
355 557. 108. 442. 623. 879. 306.
352. 309. 682.
356 926. 971. 761. 834. 967. 795.
560. 303. 582.
357 781. 792. 332. 428. 792. 120.
253. 500. 679.

358	479.	970.	900.	855.	347.	48.	923.	832.	217.
359	298.	702.	611.	128.	556.	543.	674.	27.	333.
360	332.	91.	346.	314.	143.	33.	309.	332.	928.
361	752.	480.	416.	572.	307.	630.	227.	797.	435.
362	256.	743.	963.	467.	614.	21.	807.	619.	674.
363	605.	804.	229.	241.	633.	521.	509.	93.	407.
364	477.	491.	321.	400.	667.	150.	621.	52.	736.
365	510.	39.	546.	211.	531.	224.	337.	593.	726.
366	41.	579.	98.	48.	587.	101.	660.	836.	298.
367	968.	297.	167.	253.	671.	670.	360.	472.	916.
368	766.	785.	488.	722.	62.	234.	368.	781.	436.
369	230.	36.	487.	618.	943.	426.	566.	932.	271.
370	890.	798.	787.	50.	253.	442.	334.	574.	518.
371	707.	380.	813.	865.	22.	734.	819.	818.	45.
372	524.	165.	198.	7.	961.	742.	444.	486.	868.
373	630.	514.	464.	994.	371.	721.	984.	100.	648.
374	69.	675.	480.	804.	117.	166.	378.	835.	185.
375	160.	25.	562.	970.	517.	613.	117.	226.	649.
376	642.	112.	365.	648.	352.	197.	187.	743.	925.
377	906.	37.	547.	358.	618.	446.	858.	839.	318.
378	152.	515.	9.	17.	935.	465.	913.	86.	198.
379	875.	513.	816.	194.	840.	620.	740.	433.	547.
380	100.	778.	933.	70.	465.	356.	926.	959.	385.
381	317.	59.	806.	483.	510.	790.	735.	997.	862.
382	159.	87.	590.	321.	872.	857.	287.	762.	558.
383	837.	990.	517.	876.	60.	719.	321.	549.	12.
384	777.	859.	686.	831.	918.	860.	890.	461.	672.
385	342.	872.	834.	628.	136.	726.	883.	102.	640.
386	722.	757.	375.	620.	72.	591.	166.	72.	888.
387	227.	314.	451.	248.	922.	984.	373.	816.	594.

388	9.	463.	393.	793.	619.	656.	688.
495.	59.						
389	499.	959.	37.	658.	121.	104.	773.
482.	162.						
390	677.	187.	179.	222.	497.	738.	237.
499.	425.						
391	572.	931.	479.	186.	514.	525.	909.
396.	480.						
392	228.	132.	26.	909.	955.	900.	652.
299.	612.						
393	267.	860.	302.	512.	762.	248.	934.
812.	159.						
394	689.	805.	973.	564.	550.	780.	710.
103.	955.						
395	387.	829.	567.	965.	290.	56.	616.
287.	288.						
396	567.	927.	663.	637.	829.	828.	299.
489.	720.						
397	637.	795.	789.	63.	915.	313.	475.
127.	576.						
398	53.	460.	552.	609.	454.	342.	417.
958.	334.						
399	820.	508.	255.	456.	266.	462.	118.
170.	583.						
400	964.	359.	950.	179.	469.	842.	744.
31.	697.						
401	208.	46.	968.	908.	685.	88.	816.
653.	70.						
402	728.	524.	79.	556.	421.	297.	470.
978.	699.						
403	163.	496.	516.	533.	781.	402.	85.
228.	573.						
404	395.	274.	396.	778.	444.	388.	145.
782.	767.						
405	928.	750.	742.	234.	224.	447.	868.
732.	693.						
406	553.	193.	743.	236.	951.	876.	36.
856.	563.						
407	460.	915.	829.	900.	176.	27.	336.
428.	780.						
408	66.	843.	971.	685.	760.	617.	817.
808.	613.						
409	801.	777.	560.	89.	10.	588.	156.
714.	146.						
410	294.	504.	679.	429.	276.	268.	134.
172.	659.						
411	197.	118.	54.	638.	902.	966.	201.
896.	667.						
412	23.	68.	383.	453.	725.	114.	41.
67.	456.						
413	430.	580.	145.	891.	338.	417.	769.
144.	372.						
414	501.	751.	683.	405.	168.	706.	367.
571.	257.						
415	988.	526.	363.	439.	627.	91.	84.
744.	135.						
416	379.	497.	589.	578.	992.	902.	281.
379.	752.						
417	741.	563.	700.	990.	492.	844.	278.
143.	36.						

418	289.	601.	303.	877.	876.	83.	697.
657.	277.						
419	940.	746.	431.	945.	701.	766.	897.
68.	595.						
420	109.	697.	386.	547.	484.	536.	547.
366.	872.						
421	61.	626.	876.	962.	632.	375.	33.
141.	150.						
422	780.	615.	815.	165.	375.	925.	562.
89.	189.						
423	816.	541.	473.	386.	11.	802.	672.
742.	343.						
424	937.	772.	18.	472.	786.	480.	297.
682.	443.						
425	957.	131.	434.	841.	396.	291.	795.
211.	249.						
426	838.	827.	868.	729.	147.	730.	945.
358.	508.						
427	470.	224.	766.	395.	406.	443.	197.
219.	671.						
428	749.	362.	407.	482.	54.	271.	939.
47.	858.						
429	681.	947.	245.	240.	603.	759.	382.
388.	680.						
430	670.	935.	895.	848.	84.	347.	56.
233.	827.						
431	218.	899.	974.	476.	609.	962.	752.
738.	111.						
432	996.	779.	3.	497.	774.	875.	188.
870.	704.						
433	692.	744.	772.	755.	52.	603.	585.
769.	115.						
434	380.	687.	955.	986.	931.	307.	986.
119.	303.						
435	165.	74.	511.	455.	82.	80.	202.
552.	587.						
436	162.	928.	367.	228.	194.	47.	377.
934.	370.						
437	644.	285.	944.	500.	461.	265.	924.
395.	255.						
438	542.	288.	572.	923.	353.	945.	846.
857.	512.						
439	537.	296.	947.	586.	450.	86.	217.
133.	797.						
440	344.	551.	75.	404.	477.	131.	705.
681.	262.						
441	241.	49.	659.	100.	289.	724.	808.
209.	314.						
442	982.	692.	460.	982.	46.	61.	89.
347.	446.						
443	182.	516.	309.	357.	354.	394.	55.
680.	4.						
444	997.	267.	209.	202.	579.	728.	644.
989.	204.						
445	141.	159.	168.	319.	759.	75.	921.
241.	168.						
446	57.	312.	174.	79.	997.	765.	529.
290.	243.						
447	200.	401.	732.	759.	400.	565.	233.
118.	30.						

448 229. 703. 736. 662. 901. 570.
449. 862. 957.
449 65. 484. 635. 434. 42. 332.
729. 589. 244.
450 489. 722. 338. 690. 569. 825.
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451 258. 38. 888. 307. 362. 960.
992. 256. 844.
452 898. 542. 908. 768. 473. 546.
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453 616. 102. 958. 93. 912. 348.
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454 835. 109. 664. 507. 622. 256.
659. 16. 947.
455 153. 574. 406. 119. 866. 610.
543. 540. 455.
456 203. 527. 216. 335. 150. 151.
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457 934. 640. 537. 553. 208. 870.
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458 237. 207. 161. 116. 914. 220.
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459 404. 800. 919. 31. 677. 757.
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460 544. 719. 154. 192. 572. 72.
968. 539. 809.
461 75. 590. 780. 178. 971. 851.
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462 978. 202. 96. 111. 610. 571.
958. 676. 816.
463 67. 598. 411. 153. 498. 636.
511. 240. 65.
464 183. 137. 896. 492. 721. 380.
737. 275. 362.
465 509. 539. 568. 263. 758. 74.
390. 451. 359.
466 463. 466. 15. 692. 206. 254.
631. 425. 335.
467 378. 506. 916. 54. 1. 879.
326. 683. 715.
468 564. 321. 285. 896. 63. 311.
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470 844. 395. 757. 981. 753. 491.
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471 583. 991. 704. 464. 797. 622.
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472 531. 892. 435. 159. 214. 369.
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473 483. 951. 532. 846. 138. 390.
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474 927. 747. 108. 515. 847. 366.
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475 726. 281. 207. 529. 976. 963.
51. 902. 261.
476 198. 717. 268. 761. 911. 288.
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477 581. 909. 296. 341. 880. 700.
73. 46. 871.

478	359.	318.	359.	579.	250.	810.	842.	183.	698.
479	558.	956.	576.	239.	787.	871.	177.	606.	662.
480	257.	420.	486.	978.	799.	939.	229.	235.	434.
481	8.	593.	399.	169.	392.	139.	199.	984.	215.
482	116.	320.	891.	129.	488.	329.	681.	109.	681.
483	111.	724.	733.	874.	398.	561.	30.	646.	821.
484	975.	80.	450.	517.	874.	847.	500.	578.	520.
485	953.	605.	14.	992.	682.	606.	591.	998.	192.
486	958.	562.	251.	871.	92.	158.	789.	583.	579.
487	520.	130.	116.	805.	593.	413.	557.	6.	785.
488	44.	730.	641.	273.	355.	87.	528.	698.	969.
489	513.	252.	656.	603.	74.	799.	718.	608.	260.
490	219.	766.	723.	742.	443.	93.	357.	227.	976.
491	568.	865.	875.	409.	588.	867.	168.	944.	445.
492	461.	399.	972.	235.	788.	102.	115.	556.	707.
493	1.	310.	430.	223.	225.	309.	425.	306.	772.
494	989.	289.	419.	350.	988.	134.	248.	888.	102.
495	338.	237.	838.	622.	684.	625.	103.	562.	637.
496	787.	824.	559.	196.	823.	354.	263.	171.	943.
497	279.	249.	294.	861.	380.	107.	15.	618.	270.
498	468.	616.	126.	177.	817.	514.	828.	840.	920.
499	177.	960.	807.	709.	187.	45.	715.	712.	652.
500	965.	796.	768.	313.	112.	999.	993.	880.	122.
501	110.	818.	136.	346.	698.	673.	232.	325.	870.
502	220.	834.	1.	371.	714.	352.	200.	755.	841.
503	469.	177.	59.	55.	246.	899.	422.	558.	420.
504	849.	995.	765.	296.	174.	666.	667.	492.	625.
505	626.	92.	34.	651.	137.	725.	72.	729.	952.
506	415.	745.	709.	86.	520.	35.	933.	907.	390.
507	588.	599.	27.	255.	916.	973.	243.	569.	304.

508 869. 822. 20. 62. 71. 381.
429. 65. 282.
509 516. 866. 906. 419. 576. 593.
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510 329. 8. 676. 215. 38. 383.
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511 131. 322. 5. 998. 869. 493.
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512 471. 77. 137. 636. 394. 690.
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513 700. 729. 962. 549. 415. 326.
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514 327. 900. 372. 630. 198. 598.
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515 651. 976. 949. 264. 906. 505.
365. 116. 729.
516 565. 172. 822. 680. 202. 260.
58. 476. 604.
517 650. 980. 803. 407. 933. 218.
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518 414. 387. 745. 921. 564. 302.
838. 793. 727.
519 636. 650. 344. 315. 655. 179.
891. 961. 24.
520 555. 838. 702. 712. 297. 943.
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521 105. 457. 142. 940. 284. 577.
70. 224. 750.
522 974. 592. 295. 443. 653. 373.
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523 775. 669. 983. 351. 327. 760.
426. 244. 77.
524 246. 802. 331. 289. 258. 632.
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525 839. 178. 485. 286. 863. 741.
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526 454. 376. 466. 105. 303. 786.
694. 928. 908.
527 176. 299. 564. 382. 419. 547.
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528 389. 393. 57. 280. 602. 89.
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529 865. 365. 841. 516. 947. 665.
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530 795. 100. 129. 655. 86. 7.
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531 582. 680. 203. 523. 518. 913.
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532 142. 357. 725. 616. 286. 768.
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533 933. 164. 747. 61. 779. 677.
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599. 289. 982.
535 946. 70. 157. 37. 535. 933.
603. 759. 666.
536 985. 246. 354. 527. 124. 395.
25. 98. 378.
537 493. 564. 153. 274. 789. 988.
407. 699. 56.

538	610.	133.	660.	987.	581.	535.
550.	450.	295.				
539	117.	355.	643.	324.	582.	863.
167.	599.	79.				
540	594.	443.	156.	297.	397.	79.
459.	269.	528.				
541	304.	414.	536.	418.	905.	883.
873.	967.	731.				
542	821.	325.	986.	647.	412.	77.
796.	178.	504.				
543	401.	337.	800.	146.	964.	564.
853.	284.	894.				
544	854.	689.	865.	425.	708.	53.
632.	936.	668.				
545	217.	966.	940.	267.	764.	977.
204.	795.	777.				
546	215.	29.	575.	23.	448.	122.
42.	41.	709.				
547	815.	684.	689.	140.	734.	750.
314.	436.	414.				
548	618.	155.	334.	801.	745.	643.
513.	670.	182.				
549	180.	536.	28.	614.	346.	758.
862.	733.	229.				
550	126.	489.	646.	745.	544.	889.
537.	315.	379.				
551	121.	635.	939.	269.	274.	222.
907.	750.	156.				
552	171.	487.	345.	677.	557.	680.
396.	774.	461.				
553	793.	218.	786.	388.	647.	522.
867.	149.	981.				
554	740.	566.	893.	305.	807.	563.
435.	134.	543.				
555	301.	653.	981.	113.	164.	906.
493.	745.	632.				
556	521.	257.	194.	920.	630.	674.
936.	620.	993.				
557	720.	741.	4.	519.	804.	777.
544.	493.	910.				
558	628.	135.	146.	67.	794.	351.
402.	805.	201.				
559	545.	50.	941.	277.	323.	708.
781.	154.	312.				
560	833.	163.	566.	795.	664.	586.
875.	929.	273.				
561	243.	476.	73.	777.	77.	225.
559.	343.	548.				
562	318.	842.	521.	170.	28.	815.
395.	537.	980.				
563	866.	618.	45.	915.	864.	5.
22.	709.	719.				
564	550.	86.	306.	539.	483.	422.
538.	647.	895.				
565	876.	682.	494.	309.	652.	993.
758.	821.	194.				
566	643.	328.	680.	907.	336.	431.
811.	132.	332.				
567	274.	373.	884.	15.	216.	540.
654.	286.	607.				

568	55.	78.	186.	826.	748.	167.	155.
694.	85.						
569	796.	581.	929.	645.	238.	532.	724.
977.	539.						
570	784.	227.	323.	43.	144.	363.	501.
872.	738.						
571	874.	407.	423.	227.	388.	818.	18.
247.	578.						
572	992.	56.	714.	369.	772.	52.	254.
479.	610.						
573	18.	140.	741.	332.	116.	878.	431.
864.	76.						
574	633.	958.	625.	551.	744.	247.	82.
470.	402.						
575	527.	810.	759.	224.	204.	22.	282.
543.	660.						
576	500.	910.	975.	69.	650.	853.	74.
107.	849.						
577	92.	18.	360.	534.	329.	568.	617.
403.	684.						
578	236.	354.	324.	24.	320.	541.	4.
97.	685.						
579	84.	737.	196.	853.	541.	675.	680.
722.	353.						
580	883.	762.	429.	593.	957.	771.	941.
113.	822.						
581	143.	191.	581.	591.	148.	893.	110.
356.	248.						
582	886.	179.	43.	859.	589.	1000.	884.
645.	622.						
583	191.	907.	315.	466.	429.	641.	452.
411.	968.						
584	128.	919.	6.	535.	895.	711.	823.
328.	759.						
585	786.	340.	717.	686.	229.	353.	31.
861.	376.						
586	826.	550.	628.	399.	795.	210.	267.
270.	235.						
587	532.	819.	336.	33.	952.	393.	5.
271.	292.						
588	82.	886.	193.	117.	21.	19.	542.
397.	807.						
589	745.	544.	873.	11.	197.	281.	249.
468.	657.						
590	845.	63.	449.	608.	978.	175.	615.
491.	360.						
591	210.	754.	472.	571.	783.	783.	355.
693.	515.						
592	495.	578.	596.	410.	154.	898.	34.
825.	722.						
593	893.	280.	877.	713.	599.	458.	486.
374.	412.						
594	341.	369.	330.	956.	45.	97.	605.
416.	486.						
595	986.	226.	555.	320.	658.	25.	341.
77.	49.						
596	325.	877.	719.	942.	908.	406.	218.
897.	117.						
597	569.	30.	890.	271.	317.	253.	60.
254.	254.						

598	494.	326.	443.	304.	585.	703.	12.
715.	959.						
599	80.	427.	696.	696.	407.	752.	152.
741.	537.						
600	877.	250.	440.	431.	109.	403.	987.
687.	52.						
601	194.	221.	474.	952.	401.	126.	504.
927.	281.						
602	901.	107.	219.	183.	17.	646.	871.
718.	912.						
603	347.	450.	111.	284.	161.	387.	675.
766.	462.						
604	867.	742.	549.	938.	884.	866.	866.
704.	828.						
605	961.	444.	899.	675.	890.	582.	91.
448.	718.						
606	438.	585.	801.	721.	818.	895.	474.
7.	812.						
607	186.	880.	10.	830.	41.	245.	47.
120.	101.						
608	505.	890.	513.	851.	499.	32.	324.
672.	903.						
609	277.	826.	48.	735.	172.	663.	719.
996.	963.						
610	682.	12.	995.	139.	151.	16.	787.
58.	885.						
611	83.	335.	698.	92.	917.	554.	497.
563.	268.						
612	693.	264.	948.	643.	470.	811.	914.
453.	157.						
613	192.	831.	609.	458.	496.	937.	487.
511.	566.						
614	428.	870.	728.	694.	969.	664.	578.
950.	506.						
615	85.	162.	51.	504.	717.	579.	136.
873.	893.						
616	68.	577.	961.	487.	732.	662.	712.
777.	95.						
617	2.	961.	24.	822.	456.	733.	397.
362.	47.						
618	778.	540.	600.	4.	600.	745.	951.
844.	329.						
619	829.	33.	380.	737.	888.	631.	205.
314.	623.						
620	916.	582.	362.	996.	14.	904.	520.
496.	723.						
621	665.	72.	863.	806.	446.	970.	791.
202.	325.						
622	871.	739.	350.	459.	806.	160.	558.
220.	836.						
623	878.	965.	527.	573.	968.	678.	708.
655.	837.						
624	207.	789.	204.	781.	474.	507.	982.
298.	19.						
625	249.	451.	734.	237.	930.	502.	455.
125.	724.						
626	894.	211.	236.	310.	578.	865.	169.
365.	38.						
627	309.	584.	318.	520.	128.	848.	180.
811.	843.						

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629 474. 783. 671. 1. 153. 284.
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646 366. 882. 391. 38. 855. 163.
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650 760. 770. 225. 606. 507. 572.
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651 383. 403. 462. 541. 749. 483.
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655 174. 636. 262. 209. 642. 566.
466. 639. 973.
656 120. 82. 515. 814. 551. 679.
636. 188. 264.
657 225. 295. 688. 789. 998. 634.
445. 702. 438.

658	987.	552.	651.	714.	989.	729.	594.
550.	761.						
659	386.	151.	922.	558.	178.	576.	120.
665.	139.						
660	158.	124.	606.	964.	810.	833.	325.
281.	803.						
661	710.	718.	470.	143.	300.	350.	280.
164.	164.						
662	330.	161.	835.	975.	134.	803.	881.
351.	20.						
663	870.	241.	104.	188.	726.	119.	212.
986.	552.						
664	255.	715.	404.	359.	485.	115.	991.
631.	251.						
665	659.	809.	286.	317.	79.	747.	540.
312.	203.						
666	391.	509.	325.	189.	802.	17.	648.
324.	494.						
667	518.	850.	482.	342.	181.	269.	854.
229.	650.						
668	132.	88.	319.	672.	105.	779.	748.
153.	656.						
669	640.	646.	701.	36.	115.	498.	957.
101.	430.						
670	619.	699.	248.	815.	675.	202.	770.
155.	923.						
671	776.	60.	548.	349.	328.	864.	370.
570.	466.						
672	94.	676.	29.	666.	76.	242.	190.
471.	345.						
673	902.	423.	469.	484.	219.	401.	525.
983.	823.						
674	305.	992.	857.	174.	743.	316.	465.
430.	523.						
675	179.	260.	112.	889.	251.	961.	749.
70.	597.						
676	429.	803.	44.	720.	966.	609.	834.
474.	532.						
677	164.	379.	571.	78.	27.	95.	242.
532.	879.						
678	441.	93.	107.	949.	990.	655.	434.
91.	961.						
679	108.	352.	445.	344.	169.	650.	625.
677.	285.						
680	216.	276.	141.	947.	277.	717.	153.
525.	197.						
681	46.	34.	936.	440.	583.	124.	821.
760.	996.						
682	541.	422.	218.	424.	249.	812.	706.
858.	439.						
683	26.	797.	361.	249.	171.	559.	614.
828.	609.						
684	43.	876.	797.	872.	3.	162.	917.
519.	641.						
685	178.	166.	447.	474.	674.	739.	409.
815.	74.						
686	451.	251.	238.	80.	311.	957.	2.
886.	167.						
687	148.	855.	288.	973.	592.	515.	323.
424.	160.						

688	743.	975.	678.	530.	4.	640.	257.
48.	878.						
689	648.	353.	593.	786.	934.	849.	405.
939.	369.						
690	789.	763.	42.	333.	85.	624.	485.
121.	835.						
691	64.	871.	621.	167.	295.	755.	673.
485.	745.						
692	405.	712.	828.	747.	972.	235.	918.
272.	554.						
693	251.	436.	453.	268.	871.	941.	223.
210.	224.						
694	836.	711.	760.	465.	835.	560.	307.
151.	642.						
695	233.	862.	535.	604.	782.	688.	498.
943.	904.						
696	535.	167.	270.	602.	536.	611.	843.
384.	905.						
697	497.	20.	101.	470.	882.	81.	797.
980.	810.						
698	161.	721.	583.	984.	904.	452.	71.
727.	602.						
699	278.	565.	83.	281.	309.	917.	296.
158.	51.						
700	891.	229.	518.	94.	5.	295.	822.
60.	73.						
701	351.	309.	214.	679.	455.	142.	647.
196.	116.						
702	719.	597.	977.	988.	306.	927.	932.
478.	485.						
703	817.	606.	847.	97.	692.	15.	412.
622.	460.						
704	36.	994.	164.	260.	570.	702.	441.
169.	788.						
705	649.	839.	964.	364.	887.	39.	714.
174.	505.						
706	488.	119.	243.	860.	93.	852.	354.
675.	393.						
707	104.	287.	124.	330.	366.	233.	806.
434.	28.						
708	947.	383.	267.	34.	747.	50.	416.
192.	765.						
709	107.	561.	234.	944.	716.	829.	568.
273.	386.						
710	248.	307.	192.	983.	411.	495.	259.
280.	832.						
711	343.	942.	796.	18.	982.	287.	760.
137.	470.						
712	282.	54.	231.	607.	987.	300.	628.
35.	283.						
713	538.	492.	585.	152.	777.	280.	164.
111.	374.						
714	76.	710.	699.	703.	659.	436.	285.
855.	67.						
715	280.	176.	239.	389.	236.	272.	86.
185.	728.						
716	103.	139.	726.	866.	213.	317.	788.
796.	404.						
717	764.	234.	502.	322.	521.	84.	461.
964.	136.						

718	212.	686.	666.	625.	798.	318.	208.
802.	946.						
719	376.	481.	650.	654.	949.	761.	757.
520.	55.						
720	575.	52.	777.	393.	413.	216.	295.
933.	161.						
721	169.	667.	665.	772.	445.	686.	503.
938.	881.						
722	193.	891.	32.	657.	656.	1.	488.
710.	472.						
723	855.	301.	711.	954.	255.	28.	174.
985.	17.						
724	283.	575.	649.	856.	739.	240.	453.
610.	883.						
725	603.	904.	271.	689.	688.	99.	265.
692.	744.						
726	586.	781.	409.	731.	899.	314.	99.
754.	873.						
727	597.	568.	913.	5.	868.	814.	985.
530.	688.						
728	348.	183.	379.	951.	737.	14.	669.
723.	533.						
729	772.	181.	867.	81.	543.	358.	108.
194.	626.						
730	601.	199.	465.	510.	440.	195.	709.
435.	683.						
731	948.	930.	633.	588.	233.	60.	79.
758.	886.						
732	529.	263.	697.	480.	39.	389.	900.
662.	621.						
733	596.	461.	261.	365.	858.	556.	189.
630.	924.						
734	232.	134.	290.	485.	281.	968.	183.
146.	287.						
735	549.	875.	512.	670.	680.	969.	303.
751.	686.						
736	897.	138.	180.	475.	986.	644.	711.
122.	238.						
737	400.	219.	991.	392.	486.	837.	63.
843.	839.						
738	822.	505.	879.	659.	646.	683.	349.
679.	321.						
739	814.	857.	277.	246.	707.	474.	184.
788.	296.						
740	188.	791.	952.	473.	784.	111.	193.
506.	678.						
741	3.	816.	530.	108.	108.	822.	19.
337.	500.						
742	598.	429.	604.	361.	620.	838.	893.
505.	166.						
743	708.	607.	690.	627.	742.	448.	147.
206.	575.						
744	399.	556.	825.	231.	173.	735.	827.
666.	891.						
745	275.	455.	224.	902.	226.	146.	611.
937.	23.						
746	980.	693.	329.	14.	616.	965.	763.
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747	668.	64.	889.	12.	378.	236.	35.
274.	354.						

748	434.	488.	802.	59.	939.	826.	384.
162.	301.						
749	634.	845.	284.	939.	909.	26.	818.
439.	463.						
750	724.	122.	368.	448.	379.	20.	635.
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751	147.	530.	687.	21.	156.	531.	962.
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752	709.	587.	626.	279.	361.	455.	583.
737.	309.						
753	911.	418.	304.	941.	547.	330.	150.
706.	25.						
754	238.	993.	233.	53.	188.	423.	929.
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755	813.	306.	616.	555.	133.	472.	104.
467.	389.						
756	614.	81.	414.	928.	427.	809.	983.
294.	914.						
757	723.	953.	748.	187.	223.	180.	629.
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758	462.	371.	507.	254.	12.	692.	563.
459.	424.						
759	973.	396.	982.	77.	528.	736.	154.
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760	118.	315.	763.	671.	237.	152.	502.
187.	94.						
761	919.	674.	74.	506.	331.	882.	577.
510.	280.						
762	336.	381.	830.	526.	230.	584.	276.
877.	175.						
763	424.	840.	341.	663.	873.	336.	26.
999.	123.						
764	168.	639.	85.	90.	984.	58.	851.
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765	969.	103.	150.	176.	280.	816.	344.
650.	550.						
766	452.	620.	102.	764.	695.	121.	910.
601.	267.						
767	631.	468.	475.	162.	32.	292.	554.
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768	577.	391.	810.	997.	261.	193.	383.
20.	202.						
769	923.	256.	459.	338.	64.	484.	277.
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770	453.	571.	647.	706.	704.	155.	837.
405.	850.						
771	45.	97.	897.	542.	310.	54.	720.
490.	577.						
772	851.	290.	130.	376.	183.	263.	598.
452.	453.						
773	480.	773.	115.	598.	182.	282.	472.
494.	950.						
774	729.	533.	591.	858.	830.	481.	175.
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775	716.	720.	921.	127.	386.	621.	436.
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776	276.	265.	381.	948.	611.	723.	835.
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777	299.	726.	859.	901.	577.	267.	45.
320.	525.						

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784 56. 586. 374. 323. 335. 545.
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795 114. 725. 177. 120. 381. 756.
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803 903. 520. 871. 950. 825. 411.
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806 924. 560. 166. 156. 836. 854.
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807 864. 298. 478. 817. 735. 143.
527. 361. 941.

808	808.	738.	402.	751.	292.	596.
506.	40.	276.				
809	59.	10.	82.	491.	999.	3.
777.	509.	173.				
810	920.	752.	832.	862.	166.	428.
590.	560.	617.				
811	738.	149.	550.	715.	135.	266.
969.	753.	428.				
812	72.	793.	176.	493.	129.	583.
215.	422.	634.				
813	287.	660.	300.	552.	184.	264.
894.	407.	794.				
814	825.	431.	23.	311.	831.	638.
549.	853.	326.				
815	235.	123.	428.	32.	464.	922.
703.	661.	432.				
816	407.	701.	782.	525.	228.	778.
293.	152.	84.				
817	140.	175.	710.	545.	357.	720.
815.	728.	691.				
818	873.	529.	901.	678.	193.	737.
728.	94.	935.				
819	485.	27.	149.	208.	907.	165.
556.	803.	322.				
820	472.	666.	907.	624.	356.	713.
252.	691.	476.				
821	261.	736.	681.	644.	928.	538.
995.	911.	892.				
822	660.	493.	337.	794.	740.	959.
738.	871.	457.				
823	382.	549.	652.	26.	260.	239.
902.	341.	41.				
824	403.	801.	848.	185.	718.	501.
298.	555.	887.				
825	629.	419.	352.	818.	591.	654.
833.	368.	779.				
826	346.	788.	976.	660.	981.	187.
966.	139.	124.				
827	296.	769.	499.	582.	239.	370.
813.	96.	88.				
828	388.	65.	938.	46.	693.	575.
925.	248.	208.				
829	90.	462.	232.	75.	645.	212.
211.	968.	119.				
830	841.	304.	162.	294.	23.	987.
533.	649.	183.				
831	195.	173.	905.	95.	870.	10.
734.	419.	75.				
832	508.	292.	751.	774.	146.	141.
59.	914.	988.				
833	20.	244.	831.	528.	678.	94.
418.	643.	545.				
834	47.	195.	454.	937.	313.	355.
579.	32.	464.				
835	638.	557.	769.	413.	316.	429.
553.	790.	585.				
836	206.	968.	228.	391.	495.	416.
430.	678.	758.				
837	533.	836.	433.	568.	47.	699.
847.	708.	10.				

838	39.	733.	783.	854.	853.	199.	805.	881.	808.
839	487.	911.	476.	295.	163.	324.	484.	350.	700.
840	302.	28.	506.	767.	679.	451.	664.	794.	213.
841	881.	690.	458.	924.	16.	909.	106.	851.	256.
842	263.	305.	885.	700.	416.	746.	473.	300.	972.
843	530.	75.	382.	548.	494.	839.	779.	685.	42.
844	137.	517.	538.	953.	102.	800.	618.	960.	919.
845	984.	334.	405.	58.	359.	66.	920.	51.	113.
846	423.	948.	601.	195.	750.	685.	142.	882.	81.
847	595.	182.	25.	60.	845.	740.	353.	602.	114.
848	515.	232.	508.	331.	826.	956.	68.	820.	915.
849	408.	512.	432.	788.	643.	932.	927.	533.	795.
850	286.	807.	753.	375.	886.	859.	404.	318.	860.
851	447.	654.	892.	432.	248.	978.	732.	767.	926.
852	712.	943.	978.	823.	515.	924.	206.	707.	106.
853	156.	589.	139.	272.	644.	607.	888.	671.	975.
854	73.	438.	278.	114.	805.	153.	721.	894.	180.
855	733.	553.	200.	570.	793.	955.	386.	80.	791.
856	879.	262.	72.	193.	97.	450.	852.	99.	26.
857	446.	424.	843.	221.	694.	669.	428.	567.	364.
858	579.	986.	100.	98.	811.	846.	21.	955.	228.
859	882.	856.	366.	390.	211.	467.	130.	869.	349.
860	843.	867.	934.	306.	519.	523.	666.	173.	856.
861	125.	572.	358.	840.	351.	817.	250.	82.	137.
862	25.	664.	263.	559.	846.	62.	704.	791.	170.
863	439.	821.	242.	974.	504.	38.	874.	615.	964.
864	442.	799.	811.	850.	40.	215.	413.	526.	798.
865	632.	588.	171.	617.	565.	948.	300.	667.	352.
866	522.	768.	172.	879.	343.	981.	343.	37.	978.
867	827.	962.	912.	360.	765.	36.	122.	246.	231.

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872 921. 57. 49. 96. 66. 974.
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875 679. 99. 525. 124. 527. 990.
477. 373. 474.
876 818. 613. 484. 406. 69. 714.
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953. 268. 176.
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301. 104. 7.
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467. 62. 242.
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897 859. 117. 682. 378. 100. 148.
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900	732.	344.	444.	968.	944.	427.	580.
885.	529.						
901	486.	728.	93.	903.	552.	845.	665.
770.	490.						
902	466.	661.	481.	760.	19.	616.	565.
441.	590.						
903	15.	210.	599.	683.	606.	128.	481.
223.	403.						
904	593.	708.	339.	681.	502.	244.	536.
538.	421.						
905	22.	90.	617.	743.	481.	781.	127.
63.	846.						
906	35.	569.	824.	445.	501.	954.	160.
705.	151.						
907	847.	231.	595.	414.	25.	377.	716.
342.	542.						
908	539.	5.	904.	934.	920.	44.	203.
948.	90.						
909	185.	887.	118.	847.	87.	209.	195.
581.	1.						
910	972.	987.	902.	107.	160.	884.	305.
838.	240.						
911	675.	254.	246.	101.	506.	190.	825.
54.	131.						
912	60.	782.	818.	532.	862.	840.	774.
893.	149.						
913	834.	950.	266.	682.	898.	463.	765.
323.	599.						
914	419.	142.	170.	299.	132.	418.	695.
804.	760.						
915	281.	101.	509.	502.	127.	627.	264.
775.	825.						
916	774.	518.	849.	172.	568.	861.	191.
179.	465.						
917	30.	621.	421.	890.	259.	315.	786.
462.	874.						
918	981.	127.	614.	308.	463.	551.	209.
730.	247.						
919	624.	388.	456.	415.	337.	200.	555.
338.	323.						
920	394.	21.	655.	914.	637.	707.	194.
912.	880.						
921	353.	611.	608.	123.	894.	67.	371.
327.	638.						
922	690.	759.	528.	845.	318.	921.	125.
454.	931.						
923	748.	66.	993.	590.	314.	975.	804.
523.	970.						
924	517.	853.	541.	842.	165.	533.	216.
53.	930.						
925	49.	602.	713.	265.	816.	549.	421.
668.	748.						
926	37.	832.	946.	396.	391.	227.	756.
261.	3.						
927	333.	879.	463.	204.	540.	320.	814.
504.	983.						

928	761.	885.	795.	47.	560.	226.	885.
376.	737.						
929	14.	521.	388.	495.	608.	938.	463.
56.	350.						
930	678.	848.	11.	562.	985.	59.	693.
696.	206.						
931	810.	932.	138.	569.	275.	926.	222.
529.	427.						
932	87.	825.	558.	829.	965.	496.	143.
335.	93.						
933	917.	417.	205.	898.	491.	459.	137.
404.	219.						
934	571.	69.	654.	554.	681.	345.	220.
464.	233.						
935	771.	228.	349.	919.	851.	188.	979.
44.	938.						
936	714.	477.	584.	911.	476.	31.	619.
426.	501.						
937	819.	776.	201.	303.	291.	441.	401.
535.	570.						
938	402.	663.	491.	325.	722.	806.	379.
22.	647.						
939	606.	153.	307.	808.	584.	952.	460.
568.	305.						
940	326.	656.	235.	345.	891.	277.	898.
321.	371.						
941	202.	428.	578.	430.	893.	897.	845.
255.	734.						
942	977.	764.	105.	632.	532.	252.	38.
747.	974.						
943	806.	440.	401.	141.	296.	181.	319.
84.	471.						
944	913.	644.	320.	995.	636.	76.	270.
180.	987.						
945	935.	863.	356.	752.	706.	183.	226.
117.	78.						
946	609.	963.	956.	646.	763.	695.	613.
756.	15.						
947	443.	638.	685.	385.	932.	299.	892.
90.	279.						
948	81.	349.	291.	28.	665.	435.	102.
641.	44.						
949	868.	647.	188.	785.	489.	488.	83.
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950	561.	767.	691.	191.	814.	648.	901.
644.	448.						
951	306.	98.	70.	384.	31.	542.	569.
717.	664.						
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126.	498.						
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954	599.	143.	613.	290.	425.	78.	424.
340.	677.						
955	792.	456.	996.	452.	921.	645.	389.
378.	187.						
956	420.	67.	862.	505.	566.	843.	610.
420.	226.						
957	758.	648.	397.	771.	247.	919.	43.
522.	29.						

958	762.	658.	662.	581.	533.	769.	996.
768.	127.						
959	425.	6.	90.	136.	334.	764.	723.
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231.	87.						
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994.	805.						
962	747.	808.	636.	763.	712.	715.	552.
508.	66.						
963	369.	459.	31.	577.	73.	998.	515.
382.	232.						
964	397.	478.	781.	790.	586.	338.	575.
587.	451.						
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966	914.	286.	823.	157.	729.	113.	508.
1000.	933.						
967	791.	196.	131.	611.	649.	519.	410.
594.	580.						
968	991.	614.	861.	812.	404.	569.	946.
638.	284.						
969	272.	442.	220.	298.	686.	775.	39.
993.	227.						
970	172.	347.	866.	460.	522.	792.	458.
408.	128.						
971	42.	941.	461.	155.	699.	668.	922.
131.	205.						
972	17.	213.	579.	980.	98.	490.	290.
297.	875.						
973	850.	864.	88.	219.	199.	171.	76.
236.	581.						
974	621.	194.	418.	932.	36.	689.	887.
764.	241.						
975	292.	209.	729.	213.	322.	118.	292.
204.	37.						
976	12.	327.	957.	247.	273.	676.	67.
213.	852.						
977	884.	547.	410.	775.	384.	770.	799.
389.	747.						
978	938.	631.	582.	933.	983.	340.	588.
168.	618.						
979	931.	662.	586.	837.	808.	24.	768.
988.	559.						
980	422.	698.	259.	403.	189.	205.	970.
913.	882.						
981	262.	873.	954.	991.	439.	820.	450.
413.	851.						
982	753.	652.	21.	229.	624.	762.	766.
234.	278.						
983	904.	852.	221.	210.	267.	112.	454.
734.	120.						
984	31.	923.	852.	910.	648.	784.	322.
39.	675.						
985	783.	458.	924.	955.	613.	410.	340.
905.	184.						
986	377.	603.	62.	258.	141.	585.	135.
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987	702.	269.	594.	633.	503.	173.	385.
876.	934.						

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730.      293.      911.
   989      316.      548.      716.      301.      345.      391.
146.      935.      191.
   990      794.      441.      328.      882.      252.      156.
861.      207.       46.
   991      221.      784.      669.       27.      803.      855.
16.      442.      299.
   992      744.      490.      311.      275.      839.      869.
161.      908.       48.
   993     1000.      624.      773.      372.      558.      335.
963.      105.      773.
   994      635.      813.       64.      287.      958.      801.
612.      316.      574.
   995      971.      861.       53.      733.      604.      421.
685.      623.      755.
   996      426.      883.      629.      824.      834.      213.
794.      719.      413.
   997      563.      261.       46.      787.        8.      475.
400.      250.      499.
   998      831.      610.      120.      839.      348.      349.
686.      785.      942.
   999      547.      277.      522.      765.      595.      333.
255.      771.      383.
  1000      240.      346.      313.      446.      571.      687.
764.      239.      971.
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========  ========  ========
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Page   4
 Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
 sh Pits West Excavation Soils                       File:
RSCSSU_Probability.RAD
 CORRELATIONS AMONG INPUT VARIABLES CREATED BY THE LATIN HYPERCUBE
SAMPLE FOR RAW DATA

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     3  0.0257  0.0467  1.0000
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     5 -0.0014 -0.0041  0.0049  0.0017  1.0000
     6  0.0375 -0.0198 -0.0044 -0.0115  0.0066  1.0000
     7  0.0145  0.0133  0.0115  0.0292 -0.0031  0.0177  1.0000
     8  0.0142 -0.0265  0.0043 -0.0224  0.0135 -0.0354 -0.0146  1.0000
     9 -0.0191  0.0030  0.0002 -0.0099 -0.0320  0.0898 -0.0236  0.0048
1.0000
            1       2       3       4       5       6       7       8
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1RESRAD, Version 6.3      T« Limit = 180 days        03/01/2006  12:31
Page   5
 Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
 sh Pits West Excavation Soils                       File:
RSCSSU_Probability.RAD
 CORRELATIONS AMONG INPUT VARIABLES CREATED BY THE LATIN HYPERCUBE
SAMPLE FOR RANK DATA
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     4  0.0015  0.0171 -0.0034  1.0000
     5  0.0132  0.0139  0.0099  0.0038  1.0000
     6 -0.0017 -0.0091  0.0043  0.0151  0.0090  1.0000
     7 -0.0127  0.0090 -0.0044  0.0028 -0.0079 -0.0065  1.0000
     8 -0.0153 -0.0015 -0.0075  0.0124  0.0022  0.0075  0.0024  1.0000
     9  0.0051  0.0084 -0.0002 -0.0020 -0.0051  0.0084  0.0006 -0.0141
1.0000
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9
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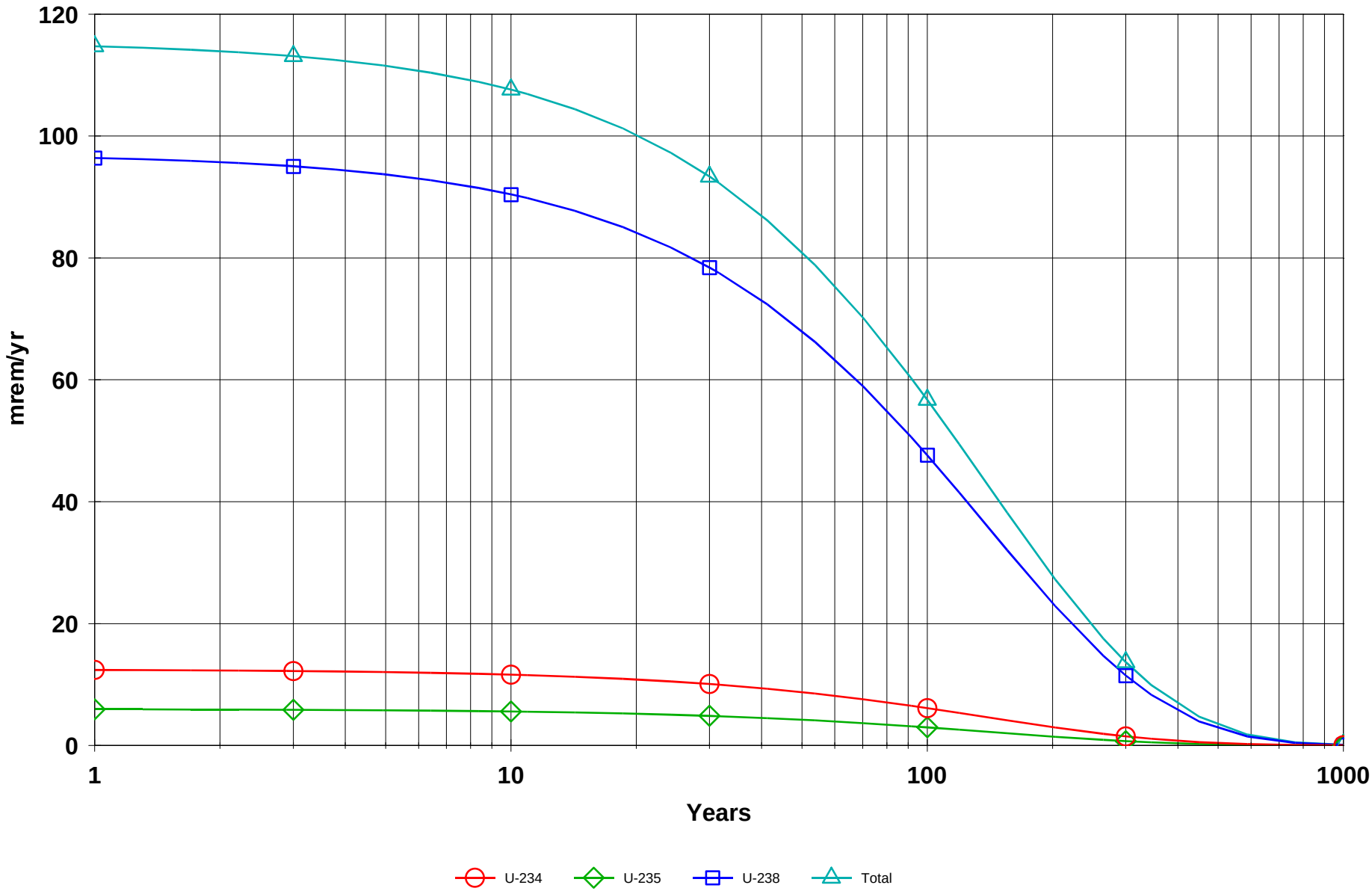
DOSE: All Nuclides Summed, All Pathways Summed



RSCSSU_Probability.RAD 03/01/2006 12:31 GRAPHICS.ASC Includes All Pathways

Summary : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
File : RSCSSU_Probability.RAD

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Part I: Mixture Sums and Single Radionuclide Guidelines

1RESRAD, Version 6.3 T« Limit = 180 days 03/01/2006 12:31

Summary : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
File : RSCSSU_Probability.RAD

Dose Conversion Factor (and Related) Parameter Summary

File: ICRP72-CHILD

Current Menu Value	Base Case*	Parameter Name	Parameter
B-1		Dose conversion factors for inhalation, mrem/pCi:	
B-1	Ac-227+D	6.724E+00	6.700E+00 DCF2(1)
B-1	Pa-231	1.280E+00	1.280E+00 DCF2(2)
B-1	Pb-210+D	2.320E-02	1.360E-02 DCF2(3)
B-1	Ra-226+D	8.594E-03	8.580E-03 DCF2(4)
B-1	Th-230	3.260E-01	3.260E-01 DCF2(5)
B-1	U-234	4.090E-02	1.320E-01 DCF2(6)
B-1	U-235+D	3.550E-02	1.230E-01 DCF2(7)

```
 B-1  ³ U-238                                                          ³
3.440E-02 ³ 1.180E-01 ³ DCF2(  8)
 B-1  ³ U-238+D                                                        ³
3.444E-02 ³ 1.180E-01 ³ DCF2(  9)
      ³                                                               ³
³           ³
 D-1  ³ Dose conversion factors for ingestion, mrem/pCi:               ³
³           ³
 D-1  ³ Ac-227+D                                                       ³
1.480E-02 ³ 1.410E-02 ³ DCF3(  1)
 D-1  ³ Pa-231                                                         ³
1.060E-02 ³ 1.060E-02 ³ DCF3(  2)
 D-1  ³ Pb-210+D                                                       ³
7.276E-03 ³ 5.370E-03 ³ DCF3(  3)
 D-1  ³ Ra-226+D                                                       ³
1.321E-03 ³ 1.320E-03 ³ DCF3(  4)
 D-1  ³ Th-230                                                         ³
5.480E-04 ³ 5.480E-04 ³ DCF3(  5)
 D-1  ³ U-234                                                          ³
4.780E-04 ³ 2.830E-04 ³ DCF3(  6)
 D-1  ³ U-235+D                                                        ³
4.763E-04 ³ 2.660E-04 ³ DCF3(  7)
 D-1  ³ U-238                                                          ³
4.400E-04 ³ 2.550E-04 ³ DCF3(  8)
 D-1  ³ U-238+D                                                        ³
4.537E-04 ³ 2.550E-04 ³ DCF3(  9)
      ³                                                               ³
³           ³
 D-34 ³ Food transfer factors:                                         ³
³           ³
 D-34 ³ Ac-227+D  , plant/soil concentration ratio, dimensionless      ³
2.500E-03 ³ 2.500E-03 ³ RTF(  1,1)
 D-34 ³ Ac-227+D  , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)      ³
2.000E-05 ³ 2.000E-05 ³ RTF(  1,2)
 D-34 ³ Ac-227+D  , milk/livestock-intake ratio, (pCi/L)/(pCi/d)       ³
2.000E-05 ³ 2.000E-05 ³ RTF(  1,3)
 D-34 ³                                                                ³
³           ³
 D-34 ³ Pa-231    , plant/soil concentration ratio, dimensionless      ³
1.000E-02 ³ 1.000E-02 ³ RTF(  2,1)
 D-34 ³ Pa-231    , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)      ³
5.000E-03 ³ 5.000E-03 ³ RTF(  2,2)
 D-34 ³ Pa-231    , milk/livestock-intake ratio, (pCi/L)/(pCi/d)       ³
5.000E-06 ³ 5.000E-06 ³ RTF(  2,3)
 D-34 ³                                                                ³
³           ³
 D-34 ³ Pb-210+D  , plant/soil concentration ratio, dimensionless      ³
1.000E-02 ³ 1.000E-02 ³ RTF(  3,1)
 D-34 ³ Pb-210+D  , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)      ³
8.000E-04 ³ 8.000E-04 ³ RTF(  3,2)
 D-34 ³ Pb-210+D  , milk/livestock-intake ratio, (pCi/L)/(pCi/d)       ³
3.000E-04 ³ 3.000E-04 ³ RTF(  3,3)
 D-34 ³                                                                ³
³           ³
 D-34 ³ Ra-226+D  , plant/soil concentration ratio, dimensionless      ³
4.000E-02 ³ 4.000E-02 ³ RTF(  4,1)
 D-34 ³ Ra-226+D  , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)      ³
1.000E-03 ³ 1.000E-03 ³ RTF(  4,2)
 D-34 ³ Ra-226+D  , milk/livestock-intake ratio, (pCi/L)/(pCi/d)       ³
1.000E-03 ³ 1.000E-03 ³ RTF(  4,3)
```

Dose Conversion Factor (and Related) Parameter Summary (continued)

File: ICRP72-CHILD

Menu	Parameter	Current Value	Base Case*	Parameter Name
D-34				
D-34	Th-230 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(5,1)
D-34	Th-230 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(5,2)
D-34	Th-230 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(5,3)
D-34				
D-34	U-234 , plant/soil concentration ratio, dimensionless	6.000E-03	2.500E-03	RTF(6,1)
D-34	U-234 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(6,2)
D-34	U-234 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(6,3)
D-34				
D-34	U-235+D , plant/soil concentration ratio, dimensionless	6.000E-03	2.500E-03	RTF(7,1)
D-34	U-235+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(7,2)
D-34	U-235+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(7,3)
D-34	U-238 , plant/soil concentration ratio, dimensionless	6.000E-03	2.500E-03	RTF(8,1)
D-34	U-238 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(8,2)
D-34	U-238 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(8,3)
D-34				
D-34	U-238+D , plant/soil concentration ratio, dimensionless	6.000E-03	2.500E-03	RTF(9,1)
D-34	U-238+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(9,2)
D-34	U-238+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(9,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Ac-227+D , fish	1.500E+01	1.500E+01	BIOFAC(1,1)

```
 D-5  ³ Ac-227+D  , crustacea and mollusks                             ³
1.000E+03 ³ 1.000E+03 ³ BIOFAC(  1,2)
 D-5  ³                                                                ³
³            ³
 D-5  ³ Pa-231    , fish                                               ³
1.000E+01 ³ 1.000E+01 ³ BIOFAC(  2,1)
 D-5  ³ Pa-231    , crustacea and mollusks                             ³
1.100E+02 ³ 1.100E+02 ³ BIOFAC(  2,2)
 D-5  ³                                                                ³
³            ³
 D-5  ³ Pb-210+D  , fish                                               ³
3.000E+02 ³ 3.000E+02 ³ BIOFAC(  3,1)
 D-5  ³ Pb-210+D  , crustacea and mollusks                             ³
1.000E+02 ³ 1.000E+02 ³ BIOFAC(  3,2)
 D-5  ³                                                                ³
³            ³
 D-5  ³ Ra-226+D  , fish                                               ³
5.000E+01 ³ 5.000E+01 ³ BIOFAC(  4,1)
 D-5  ³ Ra-226+D  , crustacea and mollusks                             ³
2.500E+02 ³ 2.500E+02 ³ BIOFAC(  4,2)
 D-5  ³                                                                ³
³            ³
 D-5  ³ Th-230    , fish                                               ³
1.000E+02 ³ 1.000E+02 ³ BIOFAC(  5,1)
 D-5  ³ Th-230    , crustacea and mollusks                             ³
5.000E+02 ³ 5.000E+02 ³ BIOFAC(  5,2)
 D-5  ³                                                                ³
³            ³
 D-5  ³ U-234     , fish                                               ³
1.000E+01 ³ 1.000E+01 ³ BIOFAC(  6,1)
 D-5  ³ U-234     , crustacea and mollusks                             ³
6.000E+01 ³ 6.000E+01 ³ BIOFAC(  6,2)
 D-5  ³                                                                ³
³            ³
 D-5  ³ U-235+D   , fish                                               ³
1.000E+01 ³ 1.000E+01 ³ BIOFAC(  7,1)
 D-5  ³ U-235+D   , crustacea and mollusks                             ³
6.000E+01 ³ 6.000E+01 ³ BIOFAC(  7,2)
 D-5  ³                                                                ³
³            ³
 D-5  ³ U-238     , fish                                               ³
1.000E+01 ³ 1.000E+01 ³ BIOFAC(  8,1)
 D-5  ³ U-238     , crustacea and mollusks                             ³
6.000E+01 ³ 6.000E+01 ³ BIOFAC(  8,2)
 D-5  ³                                                                ³
³            ³
 D-5  ³ U-238+D   , fish                                               ³
1.000E+01 ³ 1.000E+01 ³ BIOFAC(  9,1)
 D-5  ³ U-238+D   , crustacea and mollusks                             ³
6.000E+01 ³ 6.000E+01 ³ BIOFAC(  9,2)

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 *Base Case means Default.Lib w/o Associate Nuclide contributions.
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Site-Specific Parameter Summary

Menu	Parameter	User Input	Used by RESRAD (If different from user input)	Parameter Name
Default				
R011	Area of contaminated zone (m**2)	2.000E+04	1.000E+04	AREA
R011	Thickness of contaminated zone (m)	5.000E-01	2.000E+00	THICK0
R011	Length parallel to aquifer flow (m)	2.000E+02	1.000E+02	LCZPAQ
R011	Basic radiation dose limit (mrem/yr)	2.500E+01	3.000E+01	BRDL
R011	Time since placement of material (yr)	0.000E+00	0.000E+00	TI
R011	Times for calculations (yr)	1.000E+00	1.000E+00	T(2)
R011	Times for calculations (yr)	3.000E+00	3.000E+00	T(3)
R011	Times for calculations (yr)	1.000E+01	1.000E+01	T(4)
R011	Times for calculations (yr)	3.000E+01	3.000E+01	T(5)
R011	Times for calculations (yr)	1.000E+02	1.000E+02	T(6)
R011	Times for calculations (yr)	3.000E+02	3.000E+02	T(7)
R011	Times for calculations (yr)	1.000E+03	1.000E+03	T(8)
R011	Times for calculations (yr)	not used	0.000E+00	T(9)
R011	Times for calculations (yr)	not used	0.000E+00	T(10)
R012	Initial principal radionuclide (pCi/g): U-234	7.619E+01	0.000E+00	S1(6)
R012	Initial principal radionuclide (pCi/g): U-235	1.190E+01	0.000E+00	S1(7)
R012	Initial principal radionuclide (pCi/g): U-238	4.365E+02	0.000E+00	S1(8)
R012	Concentration in groundwater (pCi/L): U-234	not used	0.000E+00	W1(6)
R012	Concentration in groundwater (pCi/L): U-235	not used	0.000E+00	W1(7)
R012	Concentration in groundwater (pCi/L): U-238	not used	0.000E+00	W1(8)
R013	Cover depth (m)	0.000E+00	0.000E+00	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	VCV
R013	Density of contaminated zone (g/cm**3)	1.700E+00		

1.500E+00 ³ --- ³ DENSCZ
R013 ³ Contaminated zone erosion rate (m/yr) ³ 7.490E-05 ³
1.000E-03 ³ --- ³ VCZ
R013 ³ Contaminated zone total porosity ³ 3.000E-01 ³
4.000E-01 ³ --- ³ TPCZ
R013 ³ Contaminated zone field capacity ³ 1.000E-01 ³
2.000E-01 ³ --- ³ FCCZ
R013 ³ Contaminated zone hydraulic conductivity (m/yr) ³ 4.450E+01 ³
1.000E+01 ³ --- ³ HCCZ
R013 ³ Contaminated zone b parameter ³ 1.040E+01 ³
5.300E+00 ³ --- ³ BCZ
R013 ³ Average annual wind speed (m/sec) ³ 4.200E+00 ³
2.000E+00 ³ --- ³ WIND
R013 ³ Humidity in air (g/m**3) ³ not used ³
8.000E+00 ³ --- ³ HUMID
R013 ³ Evapotranspiration coefficient ³ 2.530E-01 ³
5.000E-01 ³ --- ³ EVAPTR
R013 ³ Precipitation (m/yr) ³ 3.810E-01 ³
1.000E+00 ³ --- ³ PRECIP
R013 ³ Irrigation (m/yr) ³ 1.000E+00 ³
2.000E-01 ³ --- ³ RI
R013 ³ Irrigation mode ³ overhead ³
overhead ³ --- ³ IDITCH
R013 ³ Runoff coefficient ³ 4.000E-03 ³
2.000E-01 ³ --- ³ RUNOFF
R013 ³ Watershed area for nearby stream or pond (m**2) ³ 8.280E+06 ³
1.000E+06 ³ --- ³ WAREA
R013 ³ Accuracy for water/soil computations ³ 1.000E-03 ³
1.000E-03 ³ --- ³ EPS
³ ³ ³
³ ³
R014 ³ Density of saturated zone (g/cm**3) ³ 1.700E+00 ³
1.500E+00 ³ --- ³ DENSAQ
R014 ³ Saturated zone total porosity ³ 3.000E-01 ³
4.000E-01 ³ --- ³ TPSZ
R014 ³ Saturated zone effective porosity ³ 1.000E-01 ³
2.000E-01 ³ --- ³ EPSZ
R014 ³ Saturated zone field capacity ³ 1.000E-01 ³
2.000E-01 ³ --- ³ FCSZ
R014 ³ Saturated zone hydraulic conductivity (m/yr) ³ 4.450E+01 ³
1.000E+02 ³ --- ³ HCSZ
R014 ³ Saturated zone hydraulic gradient ³ 1.500E-01 ³
2.000E-02 ³ --- ³ HGWT
R014 ³ Saturated zone b parameter ³ not used ³
5.300E+00 ³ --- ³ BSZ
R014 ³ Water table drop rate (m/yr) ³ 0.000E+00 ³
1.000E-03 ³ --- ³ VWT
R014 ³ Well pump intake depth (m below water table) ³ 1.000E+01 ³
1.000E+01 ³ --- ³ DWIBWT

Summary : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
File : RSCSSU_Probability.RAD

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Used by RESRAD	Parameter
0				

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Default  ³ (If different from user input) ³    Name

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 R014 ³ Model: Nondispersion (ND) or Mass-Balance (MB)   ³ ND        ³
ND       ³           ---               ³ MODEL
 R014 ³ Well pumping rate (m**3/yr)                      ³ 2.500E+02 ³
2.500E+02 ³           ---               ³ UW
      ³                                                  ³           ³
³                                ³
 R015 ³ Number of unsaturated zone strata                ³ 1         ³ 1
³           ---               ³ NS
 R015 ³ Unsat. zone 1, thickness (m)                     ³ 3.000E+00 ³
4.000E+00 ³           ---               ³ H(1)
 R015 ³ Unsat. zone 1, soil density (g/cm**3)            ³ 1.700E+00 ³
1.500E+00 ³           ---               ³ DENSUZ(1)
 R015 ³ Unsat. zone 1, total porosity                    ³ 3.000E-01 ³
4.000E-01 ³           ---               ³ TPUZ(1)
 R015 ³ Unsat. zone 1, effective porosity                ³ 1.000E-01 ³
2.000E-01 ³           ---               ³ EPUZ(1)
 R015 ³ Unsat. zone 1, field capacity                    ³ 1.000E-01 ³
2.000E-01 ³           ---               ³ FCUZ(1)
 R015 ³ Unsat. zone 1, soil-specific b parameter         ³ 1.040E+01 ³
5.300E+00 ³           ---               ³ BUZ(1)
 R015 ³ Unsat. zone 1, hydraulic conductivity (m/yr)     ³ 4.450E+01 ³
1.000E+01 ³           ---               ³ HCUZ(1)
      ³                                                  ³           ³
³                                ³
 R016 ³ Distribution coefficients for U-234              ³           ³
³                                ³
 R016 ³   Contaminated zone (cm**3/g)                    ³ 1.700E+02 ³
5.000E+01 ³           ---               ³ DCNUCC( 6)
 R016 ³   Unsaturated zone 1 (cm**3/g)                   ³ 1.700E+02 ³
5.000E+01 ³           ---               ³ DCNUCU( 6,1)
 R016 ³   Saturated zone (cm**3/g)                       ³ 1.700E+02 ³
5.000E+01 ³           ---               ³ DCNUCS( 6)
 R016 ³   Leach rate (/yr)                               ³ 0.000E+00 ³
0.000E+00 ³        7.125E-03            ³ ALEACH( 6)
 R016 ³   Solubility constant                            ³ 0.000E+00 ³
0.000E+00 ³        not used             ³ SOLUBK( 6)
      ³                                                  ³           ³
³                                ³
 R016 ³ Distribution coefficients for U-235              ³           ³
³                                ³
 R016 ³   Contaminated zone (cm**3/g)                    ³ 1.700E+02 ³
5.000E+01 ³           ---               ³ DCNUCC( 7)
 R016 ³   Unsaturated zone 1 (cm**3/g)                   ³ 1.700E+02 ³
5.000E+01 ³           ---               ³ DCNUCU( 7,1)
 R016 ³   Saturated zone (cm**3/g)                       ³ 1.700E+02 ³
5.000E+01 ³           ---               ³ DCNUCS( 7)
 R016 ³   Leach rate (/yr)                               ³ 0.000E+00 ³
0.000E+00 ³        7.125E-03            ³ ALEACH( 7)
 R016 ³   Solubility constant                            ³ 0.000E+00 ³
0.000E+00 ³        not used             ³ SOLUBK( 7)
      ³                                                  ³           ³
³                                ³
 R016 ³ Distribution coefficients for U-238              ³           ³
³                                ³
 R016 ³   Contaminated zone (cm**3/g)                    ³ 1.700E+02 ³
5.000E+01 ³           ---               ³ DCNUCC( 8)
```

R016 ³ Unsaturated zone 1 (cm**3/g) ³ 1.700E+02 ³ 5.000E+01 ³ --- ³ DCNUCU(8,1)
R016 ³ Saturated zone (cm**3/g) ³ 1.700E+02 ³ 5.000E+01 ³ --- ³ DCNUCS(8)
R016 ³ Leach rate (/yr) ³ 0.000E+00 ³ 0.000E+00 ³ 7.125E-03 ³ ALEACH(8)
R016 ³ Solubility constant ³ 0.000E+00 ³ 0.000E+00 ³ not used ³ SOLUBK(8)
³ ³ ³ ³
R016 ³ Distribution coefficients for daughter Ac-227 ³ ³ ³
R016 ³ Contaminated zone (cm**3/g) ³ 2.000E+01 ³ 2.000E+01 ³ --- ³ DCNUCC(1)
R016 ³ Unsaturated zone 1 (cm**3/g) ³ 2.000E+01 ³ 2.000E+01 ³ --- ³ DCNUCU(1,1)
R016 ³ Saturated zone (cm**3/g) ³ 2.000E+01 ³ 2.000E+01 ³ --- ³ DCNUCS(1)
R016 ³ Leach rate (/yr) ³ 0.000E+00 ³ 0.000E+00 ³ 6.016E-02 ³ ALEACH(1)
R016 ³ Solubility constant ³ 0.000E+00 ³ 0.000E+00 ³ not used ³ SOLUBK(1)
³ ³ ³ ³
R016 ³ Distribution coefficients for daughter Pa-231 ³ ³ ³
R016 ³ Contaminated zone (cm**3/g) ³ 5.000E+01 ³ 5.000E+01 ³ --- ³ DCNUCC(2)
R016 ³ Unsaturated zone 1 (cm**3/g) ³ 5.000E+01 ³ 5.000E+01 ³ --- ³ DCNUCU(2,1)
R016 ³ Saturated zone (cm**3/g) ³ 5.000E+01 ³ 5.000E+01 ³ --- ³ DCNUCS(2)
R016 ³ Leach rate (/yr) ³ 0.000E+00 ³ 0.000E+00 ³ 2.417E-02 ³ ALEACH(2)
R016 ³ Solubility constant ³ 0.000E+00 ³ 0.000E+00 ³ not used ³ SOLUBK(2)

Summary (continued)

Menu	Parameter	User Input	Site-Specific Parameter Default	Used by RESRAD (If different from user input)	Parameter Name
R016	Distribution coefficients for daughter Pb-210				
R016	Contaminated zone (cm**3/g)	1.000E+02		---	DCNUCC(3)
R016	Unsaturated zone 1 (cm**3/g)	1.000E+02		---	DCNUCU(3,1)
R016	Saturated zone (cm**3/g)	1.000E+02		---	DCNUCS(3)
R016	Leach rate (/yr)	0.000E+00			

```
0.000E+00 ³           1.210E-02            ³ ALEACH( 3)
 R016 ³   Solubility constant                                  ³ 0.000E+00 ³
0.000E+00 ³           not used             ³ SOLUBK( 3)
      ³                                                       ³           ³
³                                ³
 R016 ³ Distribution coefficients for daughter Ra-226    ³           ³
³                                ³
 R016 ³   Contaminated zone (cm**3/g)                       ³ 7.000E+01 ³
7.000E+01 ³              ---                 ³ DCNUCC( 4)
 R016 ³   Unsaturated zone 1 (cm**3/g)                     ³ 7.000E+01 ³
7.000E+01 ³              ---                 ³ DCNUCU( 4,1)
 R016 ³   Saturated zone (cm**3/g)                         ³ 7.000E+01 ³
7.000E+01 ³              ---                 ³ DCNUCS( 4)
 R016 ³   Leach rate (/yr)                                 ³ 0.000E+00 ³
0.000E+00 ³           1.728E-02            ³ ALEACH( 4)
 R016 ³   Solubility constant                              ³ 0.000E+00 ³
0.000E+00 ³           not used             ³ SOLUBK( 4)
      ³                                                       ³           ³
³                                ³
 R016 ³ Distribution coefficients for daughter Th-230    ³           ³
³                                ³
 R016 ³   Contaminated zone (cm**3/g)                       ³ 6.000E+04 ³
6.000E+04 ³              ---                 ³ DCNUCC( 5)
 R016 ³   Unsaturated zone 1 (cm**3/g)                     ³ 6.000E+04 ³
6.000E+04 ³              ---                 ³ DCNUCU( 5,1)
 R016 ³   Saturated zone (cm**3/g)                         ³ 6.000E+04 ³
6.000E+04 ³              ---                 ³ DCNUCS( 5)
 R016 ³   Leach rate (/yr)                                 ³ 0.000E+00 ³
0.000E+00 ³           2.021E-05            ³ ALEACH( 5)
 R016 ³   Solubility constant                              ³ 0.000E+00 ³
0.000E+00 ³           not used             ³ SOLUBK( 5)
      ³                                                       ³           ³
³                                ³
 R017 ³ Inhalation rate (m**3/yr)                          ³ 5.256E+03 ³
8.400E+03 ³              ---                 ³ INHALR
 R017 ³ Mass loading for inhalation (g/m**3)               ³ 6.700E-05 ³
1.000E-04 ³              ---                 ³ MLINH
 R017 ³ Exposure duration                                  ³ 3.000E+01 ³
3.000E+01 ³              ---                 ³ ED
 R017 ³ Shielding factor, inhalation                       ³ 7.000E-01 ³
4.000E-01 ³              ---                 ³ SHF3
 R017 ³ Shielding factor, external gamma                   ³ 4.000E-01 ³
7.000E-01 ³              ---                 ³ SHF1
 R017 ³ Fraction of time spent indoors                     ³ 8.200E-01 ³
5.000E-01 ³              ---                 ³ FIND
 R017 ³ Fraction of time spent outdoors (on site)          ³ 1.400E-01 ³
2.500E-01 ³              ---                 ³ FOTD
 R017 ³ Shape factor flag, external gamma                  ³ 1.000E+00 ³
1.000E+00 ³    >0 shows circular AREA.       ³ FS
 R017 ³ Radii of shape factor array (used if FS = -1):     ³           ³
³                                ³
 R017 ³   Outer annular radius (m), ring  1:               ³ not used  ³
5.000E+01 ³              ---                 ³ RAD_SHAPE( 1)
 R017 ³   Outer annular radius (m), ring  2:               ³ not used  ³
7.071E+01 ³              ---                 ³ RAD_SHAPE( 2)
 R017 ³   Outer annular radius (m), ring  3:               ³ not used  ³
0.000E+00 ³              ---                 ³ RAD_SHAPE( 3)
 R017 ³   Outer annular radius (m), ring  4:               ³ not used  ³
0.000E+00 ³              ---                 ³ RAD_SHAPE( 4)
 R017 ³   Outer annular radius (m), ring  5:               ³ not used  ³
```

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default (If different from user input)	Used by RESRAD Parameter Name
R017	Fractions of annular areas within AREA:			
R017	Ring 1	not used	1.000E+00	FRACA(1)
R017	Ring 2	not used	2.732E-01	FRACA(2)
R017	Ring 3	not used	0.000E+00	FRACA(3)
R017	Ring 4	not used	0.000E+00	FRACA(4)
R017	Ring 5	not used	0.000E+00	FRACA(5)
R017	Ring 6	not used	0.000E+00	FRACA(6)
R017	Ring 7	not used	0.000E+00	FRACA(7)
R017	Ring 8	not used	0.000E+00	FRACA(8)
R017	Ring 9	not used	0.000E+00	FRACA(9)
R017	Ring 10	not used	0.000E+00	FRACA(10)
R017	Ring 11	not used	0.000E+00	FRACA(11)
R017	Ring 12	not used	0.000E+00	FRACA(12)
R017	Outer annular radius (m), ring 1:	not used	0.000E+00	RAD_SHAPE(1)
R017	Outer annular radius (m), ring 2:	not used	0.000E+00	RAD_SHAPE(2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	RAD_SHAPE(3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	RAD_SHAPE(4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	RAD_SHAPE(5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	RAD_SHAPE(6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	RAD_SHAPE(7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	RAD_SHAPE(8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	RAD_SHAPE(9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	RAD_SHAPE(10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	RAD_SHAPE(11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	RAD_SHAPE(12)

R018	Fruits, vegetables and grain consumption (kg/yr)	4.250E+01	1.600E+02	---	DIET(1)	
R018	Leafy vegetable consumption (kg/yr)	3.200E+00	1.400E+01	---	DIET(2)	
R018	Milk consumption (L/yr)	not used	9.200E+01	---	DIET(3)	
R018	Meat and poultry consumption (kg/yr)	not used	6.300E+01	---	DIET(4)	
R018	Fish consumption (kg/yr)	not used	5.400E+00	---	DIET(5)	
R018	Other seafood consumption (kg/yr)	not used	9.000E-01	---	DIET(6)	
R018	Soil ingestion rate (g/yr)	7.000E+01	3.650E+01	---	SOIL	
R018	Drinking water intake (L/yr)	not used	5.100E+02	---	DWI	
R018	Contamination fraction of drinking water	not used	1.000E+00	---	FDW	
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW	
R018	Contamination fraction of livestock water	not used	1.000E+00	---	FLW	
R018	Contamination fraction of irrigation water	0.000E+00	1.000E+00	---	FIRW	
R018	Contamination fraction of aquatic food	not used	5.000E-01	---	FR9	
R018	Contamination fraction of plant food	1.000E+00	-1	---	FPLANT	
R018	Contamination fraction of meat	not used	-1	---	FMEAT	
R018	Contamination fraction of milk	not used	-1	---	FMILK	
R019	Livestock fodder intake for meat (kg/day)	not used	6.800E+01	---	LFI5	
R019	Livestock fodder intake for milk (kg/day)	not used	5.500E+01	---	LFI6	
R019	Livestock water intake for meat (L/day)	not used	5.000E+01	---	LWI5	
R019	Livestock water intake for milk (L/day)	not used	1.600E+02	---	LWI6	
R019	Livestock soil intake (kg/day)	not used	5.000E-01	---	LSI	
R019	Mass loading for foliar deposition (g/m**3)	1.680E-04	1.000E-04	---	MLFD	
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM	
R019	Depth of roots (m)	1.500E-01	9.000E-01	---	DROOT	
R019	Drinking water fraction from ground water	not used	1.000E+00	---	FGWDW	
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH	
R019	Livestock water fraction from ground water	not used	1.000E+00	---	FGWLW	
R019	Irrigation fraction from ground water	0.000E+00	1.000E+00	---	FGWIR	

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	7.000E-01	7.000E-01	---	YV(1)
R19B	Wet weight crop yield for Leafy (kg/m**2)	1.500E+00	1.500E+00	---	YV(2)
R19B	Wet weight crop yield for Fodder (kg/m**2)	not used	1.100E+00	---	YV(3)
R19B	Growing Season for Non-Leafy (years)	1.700E-01	1.700E-01	---	TE(1)
R19B	Growing Season for Leafy (years)	2.500E-01	2.500E-01	---	TE(2)
R19B	Growing Season for Fodder (years)	not used	8.000E-02	---	TE(3)
R19B	Translocation Factor for Non-Leafy	1.000E-01	1.000E-01	---	TIV(1)
R19B	Translocation Factor for Leafy	1.000E+00	1.000E+00	---	TIV(2)
R19B	Translocation Factor for Fodder	not used	1.000E+00	---	TIV(3)
R19B	Dry Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RDRY(1)
R19B	Dry Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RDRY(2)
R19B	Dry Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RDRY(3)
R19B	Wet Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RWET(1)
R19B	Wet Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RWET(2)
R19B	Wet Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RWET(3)
R19B	Weathering Removal Constant for Vegetation	2.000E+01	2.000E+01	---	WLAM
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14	C-14 evasion flux rate from soil (1/sec)	not used			

7.000E-07 ³ --- ³ EVSN
C14 ³ C-12 evasion flux rate from soil (1/sec) ³ not used ³
1.000E-10 ³ --- ³ REVSN
C14 ³ Fraction of grain in beef cattle feed ³ not used ³
8.000E-01 ³ --- ³ AVFG4
C14 ³ Fraction of grain in milk cow feed ³ not used ³
2.000E-01 ³ --- ³ AVFG5
C14 ³ DCF correction factor for gaseous forms of C14 ³ not used ³
0.000E+00 ³ --- ³ CO2F
³ ³ ³
³ ³
STOR ³ Storage times of contaminated foodstuffs (days): ³ ³
³ ³
STOR ³ Fruits, non-leafy vegetables, and grain ³ 1.400E+01 ³
1.400E+01 ³ --- ³ STOR_T(1)
STOR ³ Leafy vegetables ³ 1.000E+00 ³
1.000E+00 ³ --- ³ STOR_T(2)
STOR ³ Milk ³ 1.000E+00 ³
1.000E+00 ³ --- ³ STOR_T(3)
STOR ³ Meat and poultry ³ 2.000E+01 ³
2.000E+01 ³ --- ³ STOR_T(4)
STOR ³ Fish ³ 7.000E+00 ³
7.000E+00 ³ --- ³ STOR_T(5)
STOR ³ Crustacea and mollusks ³ 7.000E+00 ³
7.000E+00 ³ --- ³ STOR_T(6)
STOR ³ Well water ³ 1.000E+00 ³
1.000E+00 ³ --- ³ STOR_T(7)
STOR ³ Surface water ³ 1.000E+00 ³
1.000E+00 ³ --- ³ STOR_T(8)
STOR ³ Livestock fodder ³ 4.500E+01 ³
4.500E+01 ³ --- ³ STOR_T(9)
³ ³ ³
³ ³
R021 ³ Thickness of building foundation (m) ³ not used ³
1.500E-01 ³ --- ³ FLOOR1
R021 ³ Bulk density of building foundation (g/cm**3) ³ not used ³
2.400E+00 ³ --- ³ DENSFL
R021 ³ Total porosity of the cover material ³ not used ³
4.000E-01 ³ --- ³ TPCV
R021 ³ Total porosity of the building foundation ³ not used ³
1.000E-01 ³ --- ³ TPFL
R021 ³ Volumetric water content of the cover material ³ not used ³
5.000E-02 ³ --- ³ PH2OCV
R021 ³ Volumetric water content of the foundation ³ not used ³
3.000E-02 ³ --- ³ PH2OFL
R021 ³ Diffusion coefficient for radon gas (m/sec): ³ ³
³ ³
R021 ³ in cover material ³ not used ³
2.000E-06 ³ --- ³ DIFCV
R021 ³ in foundation material ³ not used ³
3.000E-07 ³ --- ³ DIFFL
R021 ³ in contaminated zone soil ³ not used ³
2.000E-06 ³ --- ³ DIFCZ
R021 ³ Radon vertical dimension of mixing (m) ³ not used ³
2.000E+00 ³ --- ³ HMIX
R021 ³ Average building air exchange rate (1/hr) ³ not used ³
5.000E-01 ³ --- ³ REXG
R021 ³ Height of the building (room) (m) ³ not used ³
2.500E+00 ³ --- ³ HRM
R021 ³ Building interior area factor ³ not used ³

0.000E+00 ³ --- ³ FAI
R021 ³ Building depth below ground surface (m) ³ not used ³-
1.000E+00 ³ --- ³ DMFL
R021 ³ Emanating power of Rn-222 gas ³ not used ³
2.500E-01 ³ --- ³ EMANA(1)
R021 ³ Emanating power of Rn-220 gas ³ not used ³
1.500E-01 ³ --- ³ EMANA(2)
³ ³ ³
³ ³

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
TITL	Number of graphical time points	32	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX
TITL	Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	suppressed
5 -- milk ingestion	suppressed
6 -- aquatic foods	suppressed
7 -- drinking water	suppressed
8 -- soil ingestion	active
9 -- radon	suppressed
Find peak pathway doses	active

Contaminated Zone Dimensions Initial Soil Concentrations, pCi/g

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Area: 20000.00 square meters U-234 7.619E+01
Thickness: 0.50 meters U-235 1.190E+01
Cover Depth: 0.00 meters U-238 4.365E+02
0
Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 2.500E+01 mrem/yr
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

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t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
TDOSE(t):	1.155E+02	1.147E+02	1.131E+02	1.076E+02	9.335E+01	5.673E+01	1.368E+01	1.235E-01
M(t):	4.622E+00	4.589E+00	4.524E+00	4.305E+00	3.734E+00	2.269E+00	5.471E-01	4.939E-03

0Maximum TDOSE(t): 1.155E+02 mrem/yr at t = 0.000E+00 years
1RESRAD, Version 6.3 T« Limit = 180 days 03/01/2006 12:31 Page 11
Summary : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
File : RSCSSU_Probability.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years
0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground mrem/yr	Ground fract.	Inhalation mrem/yr	Inhalation fract.	Radon mrem/yr	Radon fract.	Plant mrem/yr	Plant fract.	Meat mrem/yr	Meat fract.	Milk mrem/yr	Milk fract.	Soil mrem/yr	Soil fract.
U-234	1.385E-02	0.0001	6.994E-02	0.0006	0.000E+00	0.0000	9.954E+00	0.0862	0.000E+00	0.0000	0.000E+00	0.0000	2.439E+00	0.0211
U-235	4.034E+00	0.0349	9.485E-03	0.0001	0.000E+00	0.0000	1.550E+00	0.0134	0.000E+00	0.0000	0.000E+00	0.0000	3.797E-01	0.0033
U-238	2.936E+01	0.2541	3.374E-01	0.0029	0.000E+00	0.0000	5.414E+01	0.4686	0.000E+00	0.0000	0.000E+00	0.0000	1.326E+01	0.1148
Total	3.340E+01	0.2891	4.168E-01	0.0036	0.000E+00	0.0000	6.564E+01	0.5681	0.000E+00	0.0000	0.000E+00	0.0000	1.608E+01	0.1392

0
Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years
0 Water Dependent Pathways

0 Water Fish Radon
Plant Meat Milk All Pathways*
Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
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Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr
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0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.248E+01 0.1080
U-235 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00
0.0000 0.000E+00 0.0000 0.000E+00 0.0000 5.973E+00 0.0517
U-238 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00
0.0000 0.000E+00 0.0000 0.000E+00 0.0000 9.709E+01 0.8403
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Total 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00
0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.155E+02 1.0000
0*Sum of all water independent and dependent pathways.
1RESRAD, Version 6.3 T« Limit = 180 days 03/01/2006 12:31
Page 12
Summary : Probabilistic Resident Child Surface Soil U - Ash Pits West
Excavation Soils
File : RSCSSU_Probability.RAD

Total Dose Contributions TDOSE(i,p,t) for
Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total
Dose At t = 1.000E+00 years
0 Water Independent Pathways
(Inhalation excludes radon)
0 Ground Inhalation Radon
Plant Meat Milk Soil
Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
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Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr
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U-234 1.375E-02 0.0001 6.945E-02 0.0006 0.000E+00 0.0000 9.884E+00
0.0862 0.000E+00 0.0000 0.000E+00 0.0000 2.421E+00 0.0211
U-235 4.005E+00 0.0349 9.426E-03 0.0001 0.000E+00 0.0000 1.540E+00
0.0134 0.000E+00 0.0000 0.000E+00 0.0000 3.772E-01 0.0033
U-238 2.915E+01 0.2541 3.350E-01 0.0029 0.000E+00 0.0000 5.376E+01
0.4686 0.000E+00 0.0000 0.000E+00 0.0000 1.317E+01 0.1148
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Total 3.317E+01 0.2891 4.139E-01 0.0036 0.000E+00 0.0000 6.518E+01
0.5681 0.000E+00 0.0000 0.000E+00 0.0000 1.597E+01 0.1392
0

Total Dose Contributions TDOSE(i,p,t) for
Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total
Dose At t = 1.000E+00 years
0 Water Dependent
Pathways
0 Water Fish Radon
Plant Meat Milk All Pathways*
Radio- ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄ
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Nuclide mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract. mrem/yr fract.
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U-234 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.239E+01 0.1080
U-235 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 5.932E+00 0.0517
U-238 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 9.641E+01 0.8403
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Total 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.147E+02 1.0000
0*Sum of all water independent and dependent pathways.

Summary : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
File : RSCSSU_Probability.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years
0 Water Independent Pathways (Inhalation excludes radon)

Plant	Ground		Inhalation		Radon		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.356E-02	0.0001	6.847E-02	0.0006	0.000E+00	0.0000	9.744E+00	0.0862	0.000E+00	0.0000	0.000E+00	0.0000
U-235	3.949E+00	0.0349	9.311E-03	0.0001	0.000E+00	0.0000	1.521E+00	0.0134	0.000E+00	0.0000	0.000E+00	0.0000
U-238	2.874E+01	0.2541	3.302E-01	0.0029	0.000E+00	0.0000	5.300E+01	0.4685	0.000E+00	0.0000	0.000E+00	0.0000
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Total	3.270E+01	0.2891	4.080E-01	0.0036	0.000E+00	0.0000	6.426E+01	0.5681	0.000E+00	0.0000	0.000E+00	0.0000

0
Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years
0 Water Dependent Pathways

Plant	Water		Fish		Radon		Meat		Milk		All Pathways*	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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U-234 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.221E+01 0.1080
U-235 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 5.851E+00 0.0517
U-238 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 9.504E+01 0.8403
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Total 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.131E+02 1.0000
0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years
0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground mrem/yr	Ground fract.	Plant mrem/yr	Plant fract.	Meat mrem/yr	Meat fract.	Milk mrem/yr	Milk fract.	Inhalation mrem/yr	Inhalation fract.	Soil mrem/yr	Soil fract.	Radon mrem/yr	Radon fract.
U-234	1.297E-02	0.0001	6.518E-02	0.0006	0.000E+00	0.0000	9.270E+00	0.0861	0.000E+00	0.0000	0.000E+00	0.0000	2.271E+00	0.0211
U-235	3.757E+00	0.0349	8.938E-03	0.0001	0.000E+00	0.0000	1.454E+00	0.0135	0.000E+00	0.0000	0.000E+00	0.0000	3.554E-01	0.0033
U-238	2.734E+01	0.2540	3.142E-01	0.0029	0.000E+00	0.0000	5.042E+01	0.4685	0.000E+00	0.0000	0.000E+00	0.0000	1.235E+01	0.1148
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Total	3.111E+01	0.2891	3.883E-01	0.0036	0.000E+00	0.0000	6.114E+01	0.5682	0.000E+00	0.0000	0.000E+00	0.0000	1.498E+01	0.1392

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years
0 Water Dependent Pathways

Radio- Nuclide	Water mrem/yr	Water fract.	Plant mrem/yr	Plant fract.	Meat mrem/yr	Meat fract.	Milk mrem/yr	Milk fract.	Fish mrem/yr	Fish fract.	Radon mrem/yr	Radon fract.	All Pathways* mrem/yr	All Pathways* fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.162E+01	0.1080
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.576E+00	0.0518

Summary : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
File : RSCSSU_Probability.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

0 Water Independent Pathways (Inhalation excludes radon)

Plant	Ground		Meat		Inhalation		Milk		Radon		Soil	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.173E-02	0.0001	5.661E-02	0.0006	0.000E+00	0.0000	8.039E+00	0.0861	0.000E+00	0.0000	1.970E+00	0.0211
U-235	3.259E+00	0.0349	7.981E-03	0.0001	0.000E+00	0.0000	1.277E+00	0.0137	0.000E+00	0.0000	3.112E-01	0.0033
U-238	2.371E+01	0.2540	2.725E-01	0.0029	0.000E+00	0.0000	4.372E+01	0.4684	0.000E+00	0.0000	1.071E+01	0.1147
Total	2.698E+01	0.2890	3.371E-01	0.0036	0.000E+00	0.0000	5.304E+01	0.5682	0.000E+00	0.0000	1.299E+01	0.1392

0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

0 Water Dependent Pathways

Plant	Water		Fish		Radon		All Pathways*	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.008E+01	0.1080
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.855E+00	0.0520
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.842E+01	0.8400

0*Sum of all water independent and dependent pathways.

Total 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 9.335E+01 1.0000
0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years
0 Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground mrem/yr	Ground fract.	Plant mrem/yr	Plant fract.	Meat mrem/yr	Meat fract.	Milk mrem/yr	Milk fract.	Soil mrem/yr	Soil fract.
U-234	1.027E-02	0.0002	3.465E-02	0.0006	0.000E+00	0.0000	4.885E+00	0.0861	0.000E+00	0.0000
U-235	1.981E+00	0.0349	5.138E-03	0.0001	0.000E+00	0.0000	7.921E-01	0.0140	0.000E+00	0.0000
U-238	1.441E+01	0.2539	1.655E-01	0.0029	0.000E+00	0.0000	2.656E+01	0.4681	0.000E+00	0.0000
Total	1.640E+01	0.2890	2.053E-01	0.0036	0.000E+00	0.0000	3.224E+01	0.5682	0.000E+00	0.0000

Radio-Nuclide	Radon mrem/yr	Radon fract.	All Pathways* mrem/yr	All Pathways* fract.
U-234	1.198E+00	0.0211	7.896E+00	0.1392
U-235	1.924E-01	0.0034		
U-238	6.506E+00	0.1147		
Total	7.896E+00	0.1392		

0
Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years
0 Water Dependent Pathways

Radio-Nuclide	Water mrem/yr	Water fract.	Plant mrem/yr	Plant fract.	Meat mrem/yr	Meat fract.	Milk mrem/yr	Milk fract.	Fish mrem/yr	Fish fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Radio-Nuclide	Radon mrem/yr	Radon fract.	All Pathways* mrem/yr	All Pathways* fract.
U-234	6.127E+00	0.1080		
U-235	2.971E+00	0.0524		
U-238	4.764E+01	0.8396		
Total	5.673E+01	1.0000		

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

0 Water Independent Pathways (Inhalation excludes radon)

0 Plant Radio- Nuclide	Ground Meat mrem/yr	fract.	Inhalation Milk mrem/yr	fract.	Radon Soil mrem/yr	fract.	mrem/yr	fract.
U-234	1.106E-02	0.0008	8.863E-03	0.0006	0.000E+00	0.0000	1.184E+00	0.0866
U-235	4.771E-01	0.0349	1.266E-03	0.0001	0.000E+00	0.0000	1.922E-01	0.0141
U-238	3.469E+00	0.2536	3.984E-02	0.0029	0.000E+00	0.0000	6.392E+00	0.4673
Total	3.957E+00	0.2893	4.996E-02	0.0037	0.000E+00	0.0000	7.768E+00	0.5679

0 Plant Radio- Nuclide	Water Meat mrem/yr	fract.	Fish Milk mrem/yr	fract.	Radon All Pathways* mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0 | 1.495E+00 | 0.1093 | 7.172E-01 | 0.0524 | 1.147E+01 | 0.8382 | 1.368E+01 | 1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years
0 Water Independent Pathways (Inhalation excludes radon)

0 Plant Radio- Nuclide	Ground Meat mrem/yr	fract.	Inhalation Milk mrem/yr	fract.	Radon Soil mrem/yr	fract.	mrem/yr	fract.
U-234	1.150E-02	0.0931	7.459E-04	0.0060	0.000E+00	0.0000	2.141E-02	0.1734
	0.000E+00	0.0000	0.000E+00	0.0000	6.422E-03	0.0520		
U-235	3.265E-03	0.0264	8.643E-06	0.0001	0.000E+00	0.0000	1.312E-03	0.0106
	0.000E+00	0.0000	0.000E+00	0.0000	3.183E-04	0.0026		
U-238	2.378E-02	0.1926	2.740E-04	0.0022	0.000E+00	0.0000	4.373E-02	0.3542
	0.000E+00	0.0000	0.000E+00	0.0000	1.072E-02	0.0868		
Total	3.855E-02	0.3122	1.029E-03	0.0083	0.000E+00	0.0000	6.645E-02	0.5381
	0.000E+00	0.0000	0.000E+00	0.0000	1.746E-02	0.1414		

0
Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years
0 Water Dependent Pathways

0 Plant Radio- Nuclide	Water Meat mrem/yr	fract.	Fish Milk mrem/yr	fract.	Radon All Pathways* mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
	0.000E+00	0.0000	0.000E+00	0.0000	4.007E-02	0.3245		
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
	0.000E+00	0.0000	0.000E+00	0.0000	4.904E-03	0.0397		
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
	0.000E+00	0.0000	0.000E+00	0.0000	7.850E-02	0.6358		
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
	0.000E+00	0.0000	0.000E+00	0.0000	1.235E-01	1.0000		

0*Sum of all water independent and dependent pathways.

Dose/Source Ratios Summed Over All Pathways
Parent and Progeny Principal Radionuclide

Contributions Indicated
0 Parent Product Thread DSR(j,t) At Time in Years (mrem/yr)/(pCi/g)
(i) (j) Fraction 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
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U-234 U-234 1.000E+00 1.638E-01 1.626E-01 1.603E-01 1.525E-01 1.322E-01 8.029E-02 1.930E-02 1.314E-04
U-234 Th-230 1.000E+00 3.477E-07 9.770E-07 2.211E-06 6.392E-06 1.724E-05 4.502E-05 7.733E-05 8.588E-05
U-234 Ra-226+D 1.000E+00 4.665E-09 3.301E-08 1.731E-07 1.469E-06 1.057E-05 6.813E-05 1.852E-04 2.254E-04
U-234 Pb-210+D 1.000E+00 2.532E-11 3.285E-10 3.431E-09 7.724E-08 1.350E-06 1.805E-05 6.539E-05 8.318E-05
U-234 äDSR(j) 1.638E-01 1.626E-01 1.603E-01 1.525E-01 1.323E-01 8.042E-02 1.963E-02 5.259E-04
0U-235+D U-235+D 1.000E+00 5.019E-01 4.983E-01 4.913E-01 4.674E-01 4.053E-01 2.462E-01 5.925E-02 4.050E-04
U-235+D Pa-231 1.000E+00 5.816E-05 1.743E-04 3.963E-04 1.070E-03 2.296E-03 2.819E-03 8.217E-04 5.640E-06
U-235+D Ac-227+D 1.000E+00 4.635E-07 2.928E-06 1.386E-05 9.293E-05 3.874E-04 6.614E-04 2.038E-04 1.402E-06
U-235+D äDSR(j) 5.019E-01 4.985E-01 4.917E-01 4.685E-01 4.080E-01 2.497E-01 6.027E-02 4.121E-04
0U-238 U-238 5.400E-05 8.130E-06 8.072E-06 7.958E-06 7.571E-06 6.565E-06 3.987E-06 9.589E-07 6.543E-09
0U-238+D U-238+D 9.999E-01 2.224E-01 2.208E-01 2.177E-01 2.071E-01 1.796E-01 1.091E-01 2.625E-02 1.793E-04
U-238+D U-234 9.999E-01 2.318E-07 6.911E-07 1.590E-06 4.539E-06 1.143E-05 2.288E-05 1.645E-05 3.733E-07
U-238+D Th-230 9.999E-01 3.498E-13 2.230E-12 1.119E-11 9.457E-11 7.201E-10 5.661E-09 2.204E-08 3.411E-08
U-238+D Ra-226+D 9.999E-01 3.271E-15 4.982E-14 5.789E-13 1.462E-11 3.064E-10 6.493E-09 4.687E-08 8.926E-08
U-238+D Pb-210+D 9.999E-01 1.508E-17 4.005E-16 8.934E-15 5.927E-13 3.090E-11 1.464E-09 1.562E-08 3.289E-08
U-238+D äDSR(j) 2.224E-01 2.208E-01 2.177E-01 2.071E-01 1.796E-01 1.091E-01 2.626E-02 1.798E-04
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The DSR includes contributions from associated (half-life ó 180 days) daughters.
0
Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 2.500E+01 mrem/yr
0Nuclide
(i) t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
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U-234 1.527E+02 1.537E+02 1.560E+02 1.639E+02 1.890E+02 3.109E+02 1.274E+03 4.754E+04
U-235 4.981E+01 5.015E+01 5.085E+01 5.336E+01 6.127E+01 1.001E+02 4.148E+02 6.067E+04
U-238 1.124E+02 1.132E+02 1.148E+02 1.207E+02 1.392E+02 2.291E+02 9.518E+02 1.390E+05
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             Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)
             and Single Radionuclide Soil Guidelines G(i,t) in pCi/g
          at tmin = time of minimum single radionuclide soil guideline
      and at tmax = time of maximum total dose = 0.000E+00 years
0Nuclide  Initial         tmin       DSR(i,tmin) G(i,tmin) DSR(i,tmax) G
(i,tmax)
   (i)    (pCi/g)       (years)                   (pCi/g)
(pCi/g)
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 U-234   7.619E+01     0.000E+00      1.638E-01  1.527E+02  1.638E-01
1.527E+02
 U-235   1.190E+01     0.000E+00      5.019E-01  4.981E+01  5.019E-01
4.981E+01
 U-238   4.365E+02     0.000E+00      2.224E-01  1.124E+02  2.224E-01
1.124E+02
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 Summary : Probabilistic Resident Child Surface Soil U - Ash Pits West
Excavation Soils
 File    : RSCSSU_Probability.RAD

                                Individual Nuclide Dose Summed Over All
Pathways
                                  Parent Nuclide and Branch Fraction
Indicated
0Nuclide Parent   THF(i)                                          DOSE(j,t),
mrem/yr
   (j)     (i)             t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01
3.000E+01 1.000E+02 3.000E+02 1.000E+03
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 U-234   U-234   1.000E+00    1.248E+01 1.239E+01 1.221E+01 1.162E+01
1.008E+01 6.117E+00 1.470E+00 1.001E-02
 U-234   U-238   9.999E-01    1.012E-04 3.017E-04 6.942E-04 1.981E-03
4.991E-03 9.987E-03 7.180E-03 1.629E-04
 U-234   äDOSE(j)             1.248E+01 1.239E+01 1.221E+01 1.162E+01
1.008E+01 6.127E+00 1.478E+00 1.018E-02
0Th-230  U-234   1.000E+00    2.649E-05 7.444E-05 1.684E-04 4.870E-04
1.314E-03 3.430E-03 5.892E-03 6.543E-03
 Th-230  U-238   9.999E-01    1.527E-10 9.733E-10 4.884E-09 4.129E-08
3.144E-07 2.471E-06 9.621E-06 1.489E-05
 Th-230  äDOSE(j)             2.649E-05 7.444E-05 1.684E-04 4.870E-04
1.314E-03 3.433E-03 5.902E-03 6.558E-03
0Ra-226  U-234   1.000E+00    3.554E-07 2.515E-06 1.319E-05 1.119E-04
8.049E-04 5.191E-03 1.411E-02 1.718E-02
 Ra-226  U-238   9.999E-01    1.428E-12 2.175E-11 2.527E-10 6.382E-09
1.338E-07 2.835E-06 2.046E-05 3.897E-05
 Ra-226  äDOSE(j)             3.554E-07 2.515E-06 1.319E-05 1.119E-04
8.051E-04 5.194E-03 1.413E-02 1.721E-02
0Pb-210  U-234   1.000E+00    1.929E-09 2.503E-08 2.614E-07 5.885E-06
1.029E-04 1.375E-03 4.982E-03 6.338E-03
 Pb-210  U-238   9.999E-01    6.582E-15 1.748E-13 3.900E-12 2.587E-10
1.349E-08 6.393E-07 6.818E-06 1.436E-05
 Pb-210  äDOSE(j)             1.929E-09 2.503E-08 2.614E-07 5.885E-06
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1.029E-04 1.376E-03 4.989E-03 6.352E-03
0U-235 U-235 1.000E+00 5.972E+00 5.930E+00 5.846E+00 5.562E+00
4.823E+00 2.930E+00 7.050E-01 4.820E-03
0Pa-231 U-235 1.000E+00 6.921E-04 2.075E-03 4.716E-03 1.273E-02
2.732E-02 3.354E-02 9.778E-03 6.712E-05
0Ac-227 U-235 1.000E+00 5.516E-06 3.485E-05 1.649E-04 1.106E-03
4.610E-03 7.870E-03 2.425E-03 1.668E-05
0U-238 U-238 5.400E-05 3.549E-03 3.524E-03 3.474E-03 3.305E-03
2.866E-03 1.741E-03 4.186E-04 2.856E-06
U-238 U-238 9.999E-01 9.709E+01 9.640E+01 9.504E+01 9.042E+01
7.841E+01 4.762E+01 1.146E+01 7.827E-02
U-238 äDOSE(j) 9.709E+01 9.641E+01 9.504E+01 9.042E+01
7.841E+01 4.763E+01 1.146E+01 7.827E-02
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THF(i) is the thread fraction of the parent nuclide.
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Summary : Probabilistic Resident Child Surface Soil U - Ash Pits West
Excavation Soils
File : RSCSSU_Probability.RAD

Individual Nuclide Soil
Concentration
Parent Nuclide and Branch Fraction
Indicated
0Nuclide Parent THF(i) S(j,t),
pCi/g
(j) (i) t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01
3.000E+01 1.000E+02 3.000E+02 1.000E+03
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U-234 U-234 1.000E+00 7.619E+01 7.565E+01 7.458E+01 7.095E+01
6.152E+01 3.735E+01 8.979E+00 6.114E-02
U-234 U-238 9.999E-01 0.000E+00 1.229E-03 3.634E-03 1.152E-02
2.998E-02 6.068E-02 4.377E-02 9.945E-04
U-234 äS(j): 7.619E+01 7.565E+01 7.458E+01 7.096E+01
6.155E+01 3.742E+01 9.023E+00 6.214E-02
0Th-230 U-234 1.000E+00 0.000E+00 6.834E-04 2.036E-03 6.619E-03
1.852E-02 4.897E-02 8.439E-02 9.376E-02
Th-230 U-238 9.999E-01 0.000E+00 5.544E-09 4.942E-08 5.312E-07
4.351E-06 3.510E-05 1.376E-04 2.134E-04
Th-230 äS(j): 0.000E+00 6.834E-04 2.036E-03 6.619E-03
1.852E-02 4.900E-02 8.453E-02 9.397E-02
0Ra-226 U-234 1.000E+00 0.000E+00 1.473E-07 1.304E-06 1.368E-05
1.049E-04 6.913E-04 1.888E-03 2.295E-03
Ra-226 U-238 9.999E-01 0.000E+00 7.979E-13 2.120E-11 7.428E-10
1.714E-08 3.757E-07 2.735E-06 5.208E-06
Ra-226 äS(j): 0.000E+00 1.473E-07 1.304E-06 1.368E-05
1.049E-04 6.917E-04 1.891E-03 2.301E-03
0Pb-210 U-234 1.000E+00 0.000E+00 1.513E-09 3.950E-08 1.302E-06
2.553E-05 3.549E-04 1.298E-03 1.653E-03
Pb-210 U-238 9.999E-01 0.000E+00 6.157E-15 4.840E-13 5.388E-11
3.278E-09 1.640E-07 1.773E-06 3.744E-06
Pb-210 äS(j): 0.000E+00 1.513E-09 3.950E-08 1.302E-06
2.553E-05 3.551E-04 1.299E-03 1.656E-03
0U-235 U-235 1.000E+00 1.190E+01 1.182E+01 1.165E+01 1.108E+01
9.610E+00 5.836E+00 1.404E+00 9.577E-03
0Pa-231 U-235 1.000E+00 0.000E+00 2.479E-04 7.208E-04 2.155E-03
4.774E-03 5.922E-03 1.729E-03 1.187E-05

```
0Ac-227  U-235   1.000E+00    0.000E+00 3.847E-06 3.193E-05 2.701E-04
1.205E-03 2.097E-03 6.477E-04 4.453E-06
0U-238   U-238   5.400E-05    2.357E-02 2.341E-02 2.308E-02 2.195E-02
1.904E-02 1.156E-02 2.781E-03 1.897E-05
 U-238   U-238   9.999E-01    4.365E+02 4.334E+02 4.273E+02 4.065E+02
3.525E+02 2.141E+02 5.149E+01 3.513E-01
 U-238   äS(j):               4.365E+02 4.335E+02 4.273E+02 4.065E+02
3.525E+02 2.141E+02 5.149E+01 3.513E-01
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 THF(i) is the thread fraction of the parent nuclide.
0RESCALC.EXE execution time = 1204.35 seconds
```

Table of Contents

Part VI: Uncertainty Analysis

Probabilistic Input

0Number of Sample Runs: 1000

Number	Name	Distribution	Parameters	
1	FIND	TRIANGULAR	.408	.545 .815
2	FOTD	TRIANGULAR	.072	.096 .144
3	DIET(1)	LOGNORMAL-N	2.02	1.04
4	DIET(2)	LOGNORMAL-N	-1.12	1.77
5	INHALR	LOGNORMAL-N	8.08	.305
6	MLINH	CONTINUOUS LINEAR	8	.00001 0 .0000202 .338 .0000231 .788 .0000507 .919 .000058 .944 .0000957 .969 .000109 .994 .0002 1
7	MLFD	CONTINUOUS LINEAR	8	.000025 0 .0000505 .338 .0000577 .788 .000127 .919 .000145 .944 .000239 .969 .000274 .994 .0005 1
8	SOIL	BOUNDED LOGNORMAL-N	1.91	1.37

```
1        365
    9    BRTF(92,1)                    LOGNORMAL-N           -6.84     1.09
 ÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
ÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍÍ
1RESRAD, Version 6.3      T« Limit = 180 days        03/01/2006  12:31
Page   3
 Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
 sh Pits West Excavation Soils                       File:
RSCSSU_Probability.RAD
0                                      Probabilistic Total Dose Summary
0Nuclide    Peak      Peak                                   DOSE(j,t),
mrem/yr
   (j)      Time      Dose   t= 0.00E+00  1.00E+00  3.00E+00  1.00E+01
3.00E+01  1.00E+02  3.00E+02  1.00E+03
 ÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ    ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ
ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ  ÄÄÄÄÄÄÄÄ
 U-234
   Min    0.00E+00  6.15E-02    6.15E-02  6.11E-02  6.03E-02  5.74E-02
5.01E-02  3.25E-02  1.36E-02  7.53E-03
   Max    0.00E+00  8.62E+01    8.62E+01  8.56E+01  8.44E+01  8.03E+01
6.96E+01  4.23E+01  1.02E+01  9.61E-02
   Avg    0.00E+00  1.51E+00    1.51E+00  1.50E+00  1.48E+00  1.41E+00
1.22E+00  7.45E-01  1.89E-01  1.47E-02
   Std    0.00E+00  3.50E+00    3.50E+00  3.48E+00  3.43E+00  3.26E+00
2.83E+00  1.72E+00  4.15E-01  7.23E-03
 U-235
   Min    0.00E+00  2.28E+00    2.28E+00  2.26E+00  2.23E+00  2.12E+00
1.84E+00  1.12E+00  2.71E-01  1.85E-03
   Max    0.00E+00  1.63E+01    1.63E+01  1.62E+01  1.60E+01  1.52E+01
1.32E+01  8.03E+00  1.93E+00  1.32E-02
   Avg    0.00E+00  3.16E+00    3.16E+00  3.14E+00  3.10E+00  2.95E+00
2.56E+00  1.56E+00  3.77E-01  2.58E-03
   Std    0.00E+00  6.36E-01    6.36E-01  6.32E-01  6.23E-01  5.94E-01
5.17E-01  3.17E-01  7.65E-02  5.22E-04
 U-238
   Min    0.00E+00  1.75E+01    1.75E+01  1.74E+01  1.71E+01  1.63E+01
1.41E+01  8.58E+00  2.07E+00  1.42E-02
   Max    0.00E+00  4.90E+02    4.90E+02  4.87E+02  4.80E+02  4.56E+02
3.96E+02  2.40E+02  5.79E+01  3.96E-01
   Avg    0.00E+00  2.95E+01    2.95E+01  2.93E+01  2.88E+01  2.74E+01
2.38E+01  1.45E+01  3.48E+00  2.39E-02
   Std    0.00E+00  1.92E+01    1.92E+01  1.91E+01  1.88E+01  1.79E+01
1.55E+01  9.43E+00  2.27E+00  1.55E-02
 äALL
   Min    0.00E+00  2.00E+01    2.00E+01  1.98E+01  1.95E+01  1.86E+01
1.61E+01  9.80E+00  2.37E+00  2.36E-02
   Max    0.00E+00  5.93E+02    5.93E+02  5.88E+02  5.80E+02  5.52E+02
4.79E+02  2.91E+02  7.00E+01  4.93E-01
   Avg    0.00E+00  3.41E+01    3.41E+01  3.39E+01  3.34E+01  3.18E+01
2.76E+01  1.68E+01  4.05E+00  4.12E-02
   Std    0.00E+00  2.33E+01    2.33E+01  2.31E+01  2.28E+01  2.17E+01
1.88E+01  1.14E+01  2.75E+00  2.17E-02
 ÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ    ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ
ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ  ÍÍÍÍÍÍÍÍ
 äALL is total dose summed for all nuclides.
1RESRAD, Version 6.3      T« Limit = 180 days        03/01/2006  12:31
Page   4
 Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
```

0 Probabilistic Risk Summary

0Nuclide		RISK(j,t)					
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
U-234								
Min	5.68E-07	5.64E-07	5.56E-07	5.30E-07	4.67E-07	3.30E-07	2.09E-07	1.57E-07
Max	5.19E-04	5.16E-04	5.08E-04	4.84E-04	4.19E-04	2.55E-04	6.14E-05	1.13E-06
Avg	9.41E-06	9.34E-06	9.21E-06	8.76E-06	7.61E-06	4.69E-06	1.31E-06	2.54E-07
Std	2.11E-05	2.09E-05	2.06E-05	1.96E-05	1.70E-05	1.03E-05	2.51E-06	7.65E-08
U-235								
Min	4.86E-05	4.82E-05	4.75E-05	4.52E-05	3.93E-05	2.39E-05	5.75E-06	3.93E-08
Max	1.46E-04	1.45E-04	1.43E-04	1.36E-04	1.18E-04	7.16E-05	1.72E-05	1.18E-07
Avg	6.46E-05	6.41E-05	6.32E-05	6.02E-05	5.22E-05	3.17E-05	7.64E-06	5.23E-08
Std	7.71E-06	7.66E-06	7.55E-06	7.18E-06	6.23E-06	3.79E-06	9.12E-07	6.24E-09
U-238								
Min	3.78E-04	3.76E-04	3.70E-04	3.52E-04	3.05E-04	1.86E-04	4.47E-05	3.06E-07
Max	4.23E-03	4.20E-03	4.14E-03	3.94E-03	3.42E-03	2.08E-03	5.00E-04	3.42E-06
Avg	5.46E-04	5.42E-04	5.35E-04	5.09E-04	4.41E-04	2.68E-04	6.45E-05	4.43E-07
Std	1.62E-04	1.61E-04	1.59E-04	1.51E-04	1.31E-04	7.95E-05	1.91E-05	1.31E-07
äALL								
Min	4.28E-04	4.25E-04	4.19E-04	3.99E-04	3.46E-04	2.10E-04	5.08E-05	5.04E-07
Max	4.90E-03	4.86E-03	4.80E-03	4.56E-03	3.96E-03	2.40E-03	5.78E-04	4.21E-06
Avg	6.20E-04	6.16E-04	6.07E-04	5.78E-04	5.01E-04	3.05E-04	7.35E-05	7.49E-07
Std	1.88E-04	1.86E-04	1.84E-04	1.75E-04	1.51E-04	9.20E-05	2.22E-05	1.92E-07
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ

äALL is total risk summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil U - A-

0 Probabilistic Dose vs Pathway(i): Ground External

0Nuclide		DOSE(i,j,t), mrem/yr					
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
U-234								

Min 7.69E-03 7.64E-03 7.54E-03 7.21E-03 6.52E-03 5.71E-03
6.15E-03 6.39E-03
Max 1.34E-02 1.33E-02 1.31E-02 1.25E-02 1.13E-02 9.90E-03
1.07E-02 1.11E-02
Avg 1.01E-02 9.98E-03 9.85E-03 9.42E-03 8.51E-03 7.45E-03
8.03E-03 8.34E-03
Std 1.10E-03 1.09E-03 1.07E-03 1.03E-03 9.28E-04 8.12E-04
8.75E-04 9.10E-04
U-235
Min 2.24E+00 2.23E+00 2.19E+00 2.09E+00 1.81E+00 1.10E+00
2.65E-01 1.81E-03
Max 3.89E+00 3.86E+00 3.81E+00 3.62E+00 3.14E+00 1.91E+00
4.60E-01 3.15E-03
Avg 2.93E+00 2.91E+00 2.87E+00 2.73E+00 2.37E+00 1.44E+00
3.46E-01 2.37E-03
Std 3.19E-01 3.17E-01 3.12E-01 2.97E-01 2.58E-01 1.57E-01
3.78E-02 2.58E-04
U-238
Min 1.63E+01 1.62E+01 1.60E+01 1.52E+01 1.32E+01 8.01E+00
1.93E+00 1.32E-02
Max 2.83E+01 2.81E+01 2.77E+01 2.64E+01 2.29E+01 1.39E+01
3.34E+00 2.29E-02
Avg 2.13E+01 2.12E+01 2.09E+01 1.98E+01 1.72E+01 1.05E+01
2.52E+00 1.73E-02
Std 2.32E+00 2.31E+00 2.27E+00 2.16E+00 1.88E+00 1.14E+00
2.74E-01 1.88E-03
äALL
Min 1.86E+01 1.84E+01 1.82E+01 1.73E+01 1.50E+01 9.11E+00
2.20E+00 2.14E-02
Max 3.22E+01 3.20E+01 3.15E+01 3.00E+01 2.60E+01 1.58E+01
3.82E+00 3.72E-02
Avg 2.42E+01 2.41E+01 2.37E+01 2.26E+01 1.96E+01 1.19E+01
2.87E+00 2.80E-02
Std 2.64E+00 2.62E+00 2.59E+00 2.46E+00 2.14E+00 1.30E+00
3.13E-01 3.05E-03
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äALL is total pathway dose summed for all nuclides.
1RESRAD, Version 6.3 T« Limit = 180 days 03/01/2006 12:31
Page 6
Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
sh Pits West Excavation Soils File:
RSCSSU_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Inhalation (w/o
Radon)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
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U-234
Min 2.32E-03 2.30E-03 2.27E-03 2.16E-03 1.87E-03 1.15E-03
2.94E-04 2.47E-05
Max 1.26E-01 1.25E-01 1.24E-01 1.18E-01 1.02E-01 6.26E-02
1.60E-02 1.35E-03
Avg 1.29E-02 1.28E-02 1.26E-02 1.20E-02 1.04E-02 6.39E-03
1.63E-03 1.38E-04
Std 1.14E-02 1.14E-02 1.12E-02 1.07E-02 9.27E-03 5.67E-03
1.45E-03 1.22E-04

U-235
Min 3.14E-04 3.12E-04 3.08E-04 2.96E-04 2.64E-04 1.70E-04
4.19E-05 2.86E-07
Max 1.71E-02 1.70E-02 1.68E-02 1.61E-02 1.44E-02 9.28E-03
2.29E-03 1.56E-05
Avg 1.75E-03 1.74E-03 1.72E-03 1.65E-03 1.47E-03 9.47E-04
2.33E-04 1.59E-06
Std 1.55E-03 1.54E-03 1.52E-03 1.46E-03 1.31E-03 8.41E-04
2.07E-04 1.41E-06
U-238
Min 1.12E-02 1.11E-02 1.09E-02 1.04E-02 9.02E-03 5.48E-03
1.32E-03 9.07E-06
Max 6.09E-01 6.05E-01 5.96E-01 5.67E-01 4.92E-01 2.99E-01
7.19E-02 4.95E-04
Avg 6.22E-02 6.18E-02 6.09E-02 5.79E-02 5.02E-02 3.05E-02
7.34E-03 5.05E-05
Std 5.52E-02 5.48E-02 5.41E-02 5.14E-02 4.46E-02 2.71E-02
6.52E-03 4.48E-05
äALL
Min 1.38E-02 1.37E-02 1.35E-02 1.29E-02 1.12E-02 6.80E-03
1.65E-03 3.41E-05
Max 7.53E-01 7.47E-01 7.37E-01 7.01E-01 6.09E-01 3.71E-01
9.02E-02 1.86E-03
Avg 7.68E-02 7.63E-02 7.52E-02 7.16E-02 6.21E-02 3.78E-02
9.21E-03 1.90E-04
Std 6.82E-02 6.77E-02 6.68E-02 6.36E-02 5.52E-02 3.36E-02
8.18E-03 1.68E-04
ÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ
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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
sh Pits West Excavation Soils File:
RSCSSU_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Radon (Water Ind.)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
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U-234
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
U-235
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00

U-238
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
äALL
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil U - A-
sh Pits West Excavation Soils File:
RSCSSU_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Plant (Water Ind.)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
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U-234
Min 2.70E-03 2.68E-03 2.64E-03 2.51E-03 2.19E-03 1.39E-03
4.92E-04 1.14E-04
Max 8.60E+01 8.54E+01 8.42E+01 8.01E+01 6.95E+01 4.22E+01
1.01E+01 8.70E-02
Avg 1.04E+00 1.04E+00 1.02E+00 9.73E-01 8.44E-01 5.14E-01
1.27E-01 5.07E-03
Std 3.42E+00 3.40E+00 3.35E+00 3.19E+00 2.76E+00 1.68E+00
4.05E-01 6.84E-03
U-235
Min 4.29E-04 4.45E-04 4.75E-04 5.70E-04 6.45E-04 5.31E-04
1.42E-04 9.71E-07
Max 1.34E+01 1.33E+01 1.31E+01 1.25E+01 1.08E+01 6.58E+00
1.58E+00 1.08E-02
Avg 1.63E-01 1.62E-01 1.60E-01 1.55E-01 1.39E-01 8.99E-02
2.22E-02 1.51E-04
Std 5.33E-01 5.29E-01 5.22E-01 4.98E-01 4.34E-01 2.66E-01
6.43E-02 4.38E-04
U-238
Min 1.47E-02 1.46E-02 1.44E-02 1.37E-02 1.18E-02 7.19E-03
1.73E-03 1.23E-05
Max 4.68E+02 4.65E+02 4.58E+02 4.36E+02 3.78E+02 2.30E+02
5.52E+01 3.78E-01
Avg 5.68E+00 5.64E+00 5.56E+00 5.29E+00 4.59E+00 2.79E+00
6.71E-01 4.60E-03
Std 1.86E+01 1.85E+01 1.82E+01 1.73E+01 1.50E+01 9.13E+00
2.20E+00 1.50E-02

äALL
   Min   1.78E-02 1.77E-02 1.75E-02 1.67E-02 1.48E-02 9.30E-03
2.42E-03 1.30E-04
   Max   5.67E+02 5.63E+02 5.55E+02 5.28E+02 4.58E+02 2.78E+02
6.70E+01 4.63E-01
   Avg   6.89E+00 6.84E+00 6.75E+00 6.42E+00 5.57E+00 3.39E+00
8.20E-01 9.82E-03
   Std   2.26E+01 2.24E+01 2.21E+01 2.10E+01 1.82E+01 1.11E+01
2.67E+00 2.07E-02
 ÍÍÍÍÍÍÍ   ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍ
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 äALL is total pathway dose summed for all nuclides.
1RESRAD, Version 6.3   T« Limit = 180 days   03/01/2006 12:31
Page   9
 Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
 sh Pits West Excavation Soils   File:
RSCSSU_Probability.RAD
0   Probabilistic Dose vs Pathway(i):   Meat (Water Ind.)
0Nuclide   DOSE(i,j,t), mrem/yr
   (j)   t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
 ÄÄÄÄÄÄÄ   ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
 U-234
   Min   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Max   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Avg   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Std   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
 U-235
   Min   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Max   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Avg   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Std   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
 U-238
   Min   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Max   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Avg   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Std   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
 äALL
   Min   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Max   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Avg   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
   Std   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00

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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil U - A-
sh Pits West Excavation Soils File: RSCSSU_Probability.RAD

0 Probabilistic Dose vs Pathway(i): Milk (Water Ind.)

0Nuclide (j)	DOSE(i,j,t), mrem/yr t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil U - A-
sh Pits West Excavation Soils File: RSCSSU_Probability.RAD

0 Probabilistic Dose vs Pathway(i): Soil Ingestion
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
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U-234
Min 2.13E-02 2.12E-02 2.09E-02 1.99E-02 1.72E-02 1.05E-02
2.55E-03 5.62E-05
Max 9.12E+00 9.06E+00 8.93E+00 8.49E+00 7.37E+00 4.48E+00
1.09E+00 2.40E-02
Avg 4.44E-01 4.40E-01 4.34E-01 4.13E-01 3.58E-01 2.18E-01
5.30E-02 1.17E-03
Std 7.69E-01 7.64E-01 7.53E-01 7.16E-01 6.21E-01 3.78E-01
9.19E-02 2.03E-03
U-235
Min 3.32E-03 3.30E-03 3.26E-03 3.11E-03 2.72E-03 1.68E-03
4.08E-04 2.79E-06
Max 1.42E+00 1.41E+00 1.39E+00 1.33E+00 1.16E+00 7.20E-01
1.74E-01 1.19E-03
Avg 6.91E-02 6.86E-02 6.77E-02 6.46E-02 5.66E-02 3.50E-02
8.48E-03 5.79E-05
Std 1.20E-01 1.19E-01 1.17E-01 1.12E-01 9.81E-02 6.07E-02
1.47E-02 1.00E-04
U-238
Min 1.16E-01 1.15E-01 1.14E-01 1.08E-01 9.37E-02 5.69E-02
1.37E-02 9.38E-05
Max 4.96E+01 4.92E+01 4.86E+01 4.62E+01 4.01E+01 2.43E+01
5.86E+00 4.01E-02
Avg 2.41E+00 2.40E+00 2.36E+00 2.25E+00 1.95E+00 1.18E+00
2.85E-01 1.95E-03
Std 4.18E+00 4.15E+00 4.09E+00 3.90E+00 3.38E+00 2.05E+00
4.94E-01 3.38E-03
äALL
Min 1.41E-01 1.40E-01 1.38E-01 1.31E-01 1.14E-01 6.91E-02
1.67E-02 1.53E-04
Max 6.01E+01 5.97E+01 5.89E+01 5.60E+01 4.86E+01 2.95E+01
7.12E+00 6.53E-02
Avg 2.93E+00 2.90E+00 2.86E+00 2.72E+00 2.36E+00 1.44E+00
3.46E-01 3.18E-03
Std 5.07E+00 5.04E+00 4.96E+00 4.72E+00 4.10E+00 2.49E+00
6.00E-01 5.51E-03
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ÍÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍÍ
äALL is total pathway dose summed for all nuclides.
1RESRAD, Version 6.3 T« Limit = 180 days 03/01/2006 12:31
Page 12
Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
sh Pits West Excavation Soils File:
RSCSSU_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Water Ingestion
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
ÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
U-234
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00

Probabilistic results summary : Probabilistic Resident Child Surface Soil U - A-
sh Pits West Excavation Soils File: RSCSSU_Probability.RAD

0 Probabilistic Dose vs Pathway(i): Fish Ingestion

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍ

äALL is total pathway dose summed for all nuclides.

Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
U-238
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
äALL
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
sh Pits West Excavation Soils File:
RSCSSU_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Radon (Water Dep.)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
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U-234
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
U-235
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
U-238
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00

Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
äALL
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
sh Pits West Excavation Soils File:
RSCSSU_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Plant (Water Dep.)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
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U-234
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
U-235
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
U-238
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
äALL
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00

Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
sh Pits West Excavation Soils File:
RSCSSU_Probability.RAD
0 Probabilistic Dose vs Pathway(i): Meat (Water Dep.)
0Nuclide DOSE(i,j,t), mrem/yr
(j) t= 0.00E+00 1.00E+00 3.00E+00 1.00E+01 3.00E+01 1.00E+02
3.00E+02 1.00E+03
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U-234
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
U-235
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
U-238
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
äALL
Min 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Max 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Avg 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
Std 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00
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ÍÍÍÍÍÍÍÍÍ ÍÍÍÍÍÍÍÍÍ
äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil U - A-
sh Pits West Excavation Soils File: RSCSSU_Probability.RAD

0 Probabilistic Dose vs Pathway(i): Milk (Water Dep.)

0Nuclide (j)	DOSE(i,j,t), mrem/yr t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
ÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ	ÄÄÄÄÄÄÄÄÄ
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ	ÍÍÍÍÍÍÍÍÍ

äALL is total pathway dose summed for all nuclides.

Probabilistic results summary : Probabilistic Resident Child Surface Soil U - A-
sh Pits West Excavation Soils File: RSCSSU_Probability.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	t= 0.00E+00	1.00E+00	3.00E+00	Dose(t), mrem/yr 1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	2.21E+01	2.20E+01	2.17E+01	2.06E+01	1.79E+01	1.09E+01	2.62E+00	2.65E-02
0.050	2.28E+01	2.27E+01	2.23E+01	2.13E+01	1.84E+01	1.12E+01	2.71E+00	2.79E-02
0.075	2.34E+01	2.33E+01	2.30E+01	2.18E+01	1.90E+01	1.15E+01	2.78E+00	2.86E-02
0.100	2.40E+01	2.38E+01	2.35E+01	2.24E+01	1.94E+01	1.18E+01	2.85E+00	2.93E-02
0.125	2.46E+01	2.44E+01	2.41E+01	2.29E+01	1.99E+01	1.21E+01	2.91E+00	3.00E-02
0.150	2.50E+01	2.48E+01	2.44E+01	2.33E+01	2.02E+01	1.23E+01	2.96E+00	3.03E-02
0.175	2.53E+01	2.52E+01	2.48E+01	2.36E+01	2.05E+01	1.24E+01	3.00E+00	3.08E-02
0.200	2.58E+01	2.56E+01	2.52E+01	2.40E+01	2.08E+01	1.27E+01	3.06E+00	3.14E-02
0.225	2.63E+01	2.61E+01	2.57E+01	2.45E+01	2.12E+01	1.29E+01	3.11E+00	3.19E-02
0.250	2.66E+01	2.64E+01	2.60E+01	2.48E+01	2.15E+01	1.31E+01	3.16E+00	3.23E-02
0.275	2.69E+01	2.67E+01	2.63E+01	2.50E+01	2.17E+01	1.32E+01	3.19E+00	3.27E-02
0.300	2.72E+01	2.71E+01	2.67E+01	2.54E+01	2.20E+01	1.34E+01	3.23E+00	3.31E-02
0.325	2.75E+01	2.73E+01	2.69E+01	2.56E+01	2.22E+01	1.35E+01	3.26E+00	3.35E-02
0.350	2.79E+01	2.77E+01	2.73E+01	2.60E+01	2.25E+01	1.37E+01	3.31E+00	3.41E-02
0.375	2.82E+01	2.80E+01	2.76E+01	2.63E+01	2.28E+01	1.38E+01	3.34E+00	3.45E-02
0.400	2.85E+01	2.83E+01	2.79E+01	2.65E+01	2.30E+01	1.40E+01	3.38E+00	3.49E-02
0.425	2.88E+01	2.86E+01	2.82E+01	2.68E+01	2.33E+01	1.41E+01	3.42E+00	3.54E-02
0.450	2.91E+01	2.89E+01	2.85E+01	2.71E+01	2.35E+01	1.43E+01	3.45E+00	3.57E-02
0.475	2.95E+01	2.93E+01	2.89E+01	2.75E+01	2.38E+01	1.45E+01	3.50E+00	3.62E-02
0.500	2.99E+01	2.96E+01	2.92E+01	2.78E+01	2.41E+01	1.47E+01	3.54E+00	3.68E-02
0.525	3.03E+01	3.00E+01	2.96E+01	2.82E+01	2.45E+01	1.49E+01	3.59E+00	3.74E-02
0.550	3.06E+01	3.03E+01	2.99E+01	2.85E+01	2.47E+01	1.50E+01	3.63E+00	3.77E-02
0.575	3.11E+01	3.08E+01	3.04E+01	2.89E+01	2.51E+01	1.53E+01	3.68E+00	3.82E-02
0.600	3.15E+01	3.13E+01	3.08E+01	2.93E+01	2.54E+01	1.55E+01	3.73E+00	3.88E-02
0.625	3.20E+01	3.18E+01	3.13E+01	2.98E+01	2.59E+01	1.57E+01	3.80E+00	3.95E-02
0.650	3.26E+01	3.24E+01	3.19E+01	3.04E+01	2.64E+01	1.60E+01	3.87E+00	4.00E-02
0.675	3.31E+01	3.29E+01	3.24E+01	3.08E+01	2.68E+01	1.63E+01	3.93E+00	4.05E-02
0.700	3.38E+01	3.36E+01	3.31E+01	3.15E+01	2.73E+01			

1.66E+01 4.00E+00 4.16E-02
    0.725   3.42E+01 3.40E+01 3.35E+01 3.19E+01 2.77E+01
1.68E+01 4.06E+00 4.24E-02
    0.750   3.52E+01 3.50E+01 3.45E+01 3.28E+01 2.85E+01
1.73E+01 4.18E+00 4.38E-02
    0.775   3.64E+01 3.62E+01 3.56E+01 3.39E+01 2.94E+01
1.79E+01 4.31E+00 4.49E-02
    0.800   3.74E+01 3.71E+01 3.66E+01 3.48E+01 3.02E+01
1.84E+01 4.44E+00 4.61E-02
    0.825   3.86E+01 3.83E+01 3.78E+01 3.60E+01 3.12E+01
1.90E+01 4.57E+00 4.74E-02
    0.850   3.97E+01 3.94E+01 3.89E+01 3.70E+01 3.21E+01
1.95E+01 4.71E+00 4.85E-02
    0.875   4.19E+01 4.16E+01 4.10E+01 3.91E+01 3.39E+01
2.06E+01 4.97E+00 5.11E-02
    0.900   4.47E+01 4.44E+01 4.38E+01 4.17E+01 3.61E+01
2.20E+01 5.29E+00 5.50E-02
    0.925   4.94E+01 4.91E+01 4.84E+01 4.60E+01 3.99E+01
2.43E+01 5.85E+00 6.05E-02
    0.950   5.63E+01 5.59E+01 5.51E+01 5.24E+01 4.55E+01
2.77E+01 6.69E+00 6.73E-02
    0.975   7.09E+01 7.04E+01 6.94E+01 6.60E+01 5.73E+01
3.48E+01 8.40E+00 8.08E-02
    1.000   5.93E+02 5.88E+02 5.80E+02 5.52E+02 4.79E+02
2.91E+02 7.00E+01 4.93E-01
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 Probabilistic results summary : Probabilistic Resident Child Surface Soil U - A-
 sh Pits West Excavation Soils   File: RSCSSU_Probability.RAD
                  Summary of dose at graphical times, reptition 1
   Time   Dose statistics at graphical times, mrem/yr
   Years   Minimum   Maximum   Mean   Median   90%   95%   97.5%   99%
 ÄÄÄÄÄÄÄÄÄ   ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ ÄÄÄÄÄÄÄÄÄ
 0.00E+00   2.00E+01 5.93E+02 3.41E+01 2.98E+01 4.47E+01 5.63E+01 7.13E+01 1.13E+02
 1.00E+00   1.98E+01 5.88E+02 3.39E+01 2.96E+01 4.44E+01 5.59E+01 7.08E+01 1.12E+02
 1.30E+00   1.98E+01 5.87E+02 3.38E+01 2.96E+01 4.43E+01 5.58E+01 7.07E+01 1.12E+02
 1.70E+00   1.97E+01 5.85E+02 3.37E+01 2.95E+01 4.42E+01 5.56E+01 7.05E+01 1.12E+02
 2.22E+00   1.97E+01 5.83E+02 3.36E+01 2.94E+01 4.40E+01 5.54E+01 7.02E+01 1.11E+02
 2.89E+00   1.96E+01 5.80E+02 3.34E+01 2.92E+01 4.38E+01 5.52E+01 6.99E+01 1.11E+02
 3.00E+00   1.95E+01 5.80E+02 3.34E+01 2.92E+01 4.38E+01 5.51E+01 6.98E+01 1.11E+02
 3.78E+00   1.94E+01 5.77E+02 3.32E+01 2.91E+01 4.35E+01 5.48E+01 6.94E+01 1.10E+02
 4.92E+00   1.93E+01 5.72E+02 3.30E+01 2.88E+01 4.32E+01 5.44E+01 6.89E+01 1.09E+02
 6.42E+00   1.91E+01 5.66E+02 3.26E+01 2.85E+01 4.27E+01 5.38E+01 6.81E+01 1.08E+02
 8.38E+00   1.88E+01 5.58E+02 3.22E+01 2.81E+01 4.21E+01 5.30E+

01 6.72E+01 1.06E+02
 1.00E+01   1.86E+01 5.52E+02 3.18E+01 2.78E+01 4.16E+01 5.24E+
01 6.64E+01 1.05E+02
 1.09E+01   1.85E+01 5.48E+02 3.16E+01 2.76E+01 4.14E+01 5.21E+
01 6.60E+01 1.05E+02
 1.43E+01   1.80E+01 5.35E+02 3.09E+01 2.70E+01 4.04E+01 5.09E+
01 6.45E+01 1.02E+02
 1.86E+01   1.75E+01 5.19E+02 2.99E+01 2.62E+01 3.92E+01 4.93E+
01 6.25E+01 9.90E+01
 2.42E+01   1.68E+01 4.99E+02 2.87E+01 2.51E+01 3.76E+01 4.74E+
01 6.00E+01 9.51E+01
 3.00E+01   1.61E+01 4.79E+02 2.76E+01 2.41E+01 3.61E+01 4.55E+
01 5.76E+01 9.13E+01
 3.16E+01   1.59E+01 4.73E+02 2.73E+01 2.38E+01 3.57E+01 4.50E+
01 5.70E+01 9.02E+01
 4.12E+01   1.49E+01 4.42E+02 2.55E+01 2.23E+01 3.33E+01 4.20E+
01 5.32E+01 8.43E+01
 5.38E+01   1.36E+01 4.04E+02 2.33E+01 2.04E+01 3.05E+01 3.84E+
01 4.87E+01 7.71E+01
 7.02E+01   1.21E+01 3.60E+02 2.07E+01 1.81E+01 2.71E+01 3.42E+
01 4.33E+01 6.86E+01
 9.15E+01   1.04E+01 3.09E+02 1.78E+01 1.56E+01 2.33E+01 2.94E+
01 3.72E+01 5.89E+01
 1.00E+02   9.80E+00 2.91E+02 1.68E+01 1.47E+01 2.19E+01 2.77E+
01 3.50E+01 5.55E+01
 1.19E+02   8.54E+00 2.53E+02 1.46E+01 1.28E+01 1.91E+01 2.41E+
01 3.05E+01 4.83E+01
 1.56E+02   6.60E+00 1.95E+02 1.13E+01 9.86E+00 1.48E+01 1.86E+
01 2.36E+01 3.73E+01
 2.03E+02   4.71E+00 1.39E+02 8.06E+00 7.04E+00 1.05E+01 1.33E+
01 1.68E+01 2.66E+01
 2.65E+02   3.04E+00 8.98E+01 5.19E+00 4.54E+00 6.79E+00 8.58E+
00 1.08E+01 1.72E+01
 3.00E+02   2.37E+00 7.00E+01 4.05E+00 3.54E+00 5.29E+00 6.69E+
00 8.45E+00 1.34E+01
 3.46E+02   1.71E+00 5.06E+01 2.93E+00 2.56E+00 3.83E+00 4.85E+
00 6.12E+00 9.68E+00
 4.51E+02   8.15E-01 2.39E+01 1.39E+00 1.22E+00 1.82E+00 2.30E+
00 2.91E+00 4.60E+00
 5.88E+02   3.12E-01 9.02E+00 5.33E-01 4.66E-01 6.93E-01 8.80E-
01 1.11E+00 1.75E+00
 7.67E+02   9.26E-02 2.53E+00 1.59E-01 1.40E-01 2.07E-01 2.61E-
01 3.26E-01 5.13E-01
 1.00E+03   2.36E-02 4.93E-01 4.12E-02 3.68E-02 5.49E-02 6.73E-
02 8.22E-02 1.23E-01
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 Probabilistic results summary : Probabilistic Resident Child Surface
Soil U - A-
 sh Pits West Excavation Soils   File:
RSCSSU_Probability.RAD
                  Peak of the mean dose (averaged over observations)
at graphical times
 Repetition   Time of peak mean dose   Peak mean dose
                        Years   mrem/yr
          1   0.000E+00   3.414E+01

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak of mean dose time Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Indoor time fraction	4 0.30	4 0.13	2 0.69	2 0.46
Outdoor time fraction	7 0.05	7 0.02	5 0.36	5 0.19
Fruit, vegetable, and grain consumption	2 0.63	2 0.33	3 0.63	3 0.39
Leafy vegetable consumption	5 0.11	5 0.05	6 0.15	6 0.07
Inhalation rate	8 0.02	8 0.01	8 0.04	8 0.02
Mass loading for inhalation	6 0.10	6 0.04	9 0.01	9 0.00
Mass loading for foliar deposition	9 -0.01	9 -0.01	7 -0.04	7 -0.02
Soil ingestion	3 0.44	3 0.21	4 0.62	4 0.38
Plant transfer factor for U	1 0.89	1 0.80	1 0.71	1 0.48

R-SQUARE				
0.83	0.83	0.77	0.77	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak All Pathways Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Indoor time fraction	4 0.30	4 0.13	2 0.69	2 0.46
Outdoor time fraction	7 0.05	7 0.02	5 0.36	5 0.19
Fruit, vegetable, and grain consumption	2 0.63	2 0.33	3 0.63	3 0.39
Leafy vegetable consumption	5 0.11	5 0.05	6 0.15	6 0.07
Inhalation rate	8 0.02	8 0.01	8 0.04	8 0.02
Mass loading for inhalation	6 0.10	6 0.04	9 0.01	9 0.00
Mass loading for foliar deposition	9 -0.01	9 -0.01	7 -0.04	7 -0.02
Soil ingestion	3 0.44	3 0.21	4 0.62	4 0.38
Plant transfer factor for U	1 0.89	1 0.80	1 0.71	1 0.48

R-SQUARE			
0.83	0.83	0.77	0.77

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak External Ground Dose

PCC	Coefficient = SRC	PRCC	SRRC

Repetition =
1 1 1 1

Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff

---

Indoor time fraction							
1	1.00	1	0.91	1	0.99	1	0.91
Outdoor time fraction							
2	1.00	2	0.40	2	0.94	2	0.39
Fruit, vegetable, and grain consumption							
5	-0.02	5	0.00	4	-0.04	4	-0.01
Leafy vegetable consumption							
9	-0.01	9	0.00	9	0.00	9	0.00
Inhalation rate							
7	-0.01	7	0.00	5	0.03	5	0.00
Mass loading for inhalation							
6	0.01	6	0.00	6	-0.03	6	0.00
Mass loading for foliar deposition							
4	0.03	4	0.00	8	0.01	8	0.00
Soil ingestion							
3	-0.06	3	0.00	7	0.01	7	0.00
Plant transfer factor for U							
8	-0.01	8	0.00	3	0.05	3	0.01

R-SQUARE | | | |
1.00 | 1.00 | 0.98 | 0.98

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak Inhalation Particles Dose
Coefficient =
PCC SRC PRCC SRRC
Repetition =
1 1 1 1

Description of Probabilistic Variable								
Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff					
Indoor time fraction								
3 0.34	3 0.11	3 0.54	3 0.22					
Outdoor time fraction								
4 0.10	4 0.03	4 0.14	4 0.05					
Fruit, vegetable, and grain consumption								
6 -0.02	6 -0.01	9 0.00	9 0.00					
Leafy vegetable consumption								
7 -0.02	7 -0.01	8 0.00	8 0.00					
Inhalation rate								
2 0.77	2 0.37	2 0.86	2 0.56					
Mass loading for inhalation								
1 0.94	1 0.86	1 0.90	1 0.71					
Mass loading for foliar deposition								
5 -0.04	5 -0.01	5 -0.06	5 -0.02					
Soil ingestion								
9 -0.01	9 0.00	7 -0.01	7 0.00					
Plant transfer factor for U								
8 -0.01	8 0.00	6 -0.03	6 -0.01					

R-SQUARE			
0.90	0.90	0.88	0.88

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/01/06 12:51 Page: Coef 5
Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak Radon (WaterInd.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable								
Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff					

```
 Indoor time fraction
0  0.00   0  0.00   0  0.00   0  0.00
 Outdoor time fraction
0  0.00   0  0.00   0  0.00   0  0.00
 Fruit, vegetable, and grain consumption
0  0.00   0  0.00   0  0.00   0  0.00
 Leafy vegetable consumption
0  0.00   0  0.00   0  0.00   0  0.00
 Inhalation rate
0  0.00   0  0.00   0  0.00   0  0.00
 Mass loading for inhalation
0  0.00   0  0.00   0  0.00   0  0.00
 Mass loading for foliar deposition
0  0.00   0  0.00   0  0.00   0  0.00
 Soil ingestion
0  0.00   0  0.00   0  0.00   0  0.00
 Plant transfer factor for U
0  0.00   0  0.00   0  0.00   0  0.00

_____________________     ______     ______     ______     ______
 R-SQUARE
0.00      0.00      0.00      0.00

_____________________     ______     ______     ______     ______
 -Rank is set to zero if the dose is zero or the correlation matrix is
singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of
determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on
the independent variables.

1 RESRAD Regression and Correlation output  03/01/06 12:51 Page: Coef
6
 Title      : Probabilistic Resident Child Surface Soil U - Ash Pits
West Excavation Soils
 Input File : RSCSSU_Probability.RAD

_____________________________________________________________________
____

  Coefficients for peak Plant (WaterInd.) Dose
         Coefficient  =
PCC       SRC      PRCC      SRRC
          Repetition  =
1         1         1         1

_____________________ _________ _________ _________ _________
 Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

_____________________ ___ ______ ___ ______ ___ ______ ___ ______
 Indoor time fraction
6  0.02   6  0.01   7 -0.02   7 -0.01
 Outdoor time fraction
5 -0.06   5 -0.03   8  0.01   8  0.00
 Fruit, vegetable, and grain consumption
```

2 0.63   2 0.35   2 0.91   2 0.61
 Leafy vegetable consumption
3 0.11   3 0.05   3 0.42   3 0.13
 Inhalation rate
8 0.02   8 0.01   5 0.04   5 0.01
 Mass loading for inhalation
4 0.09   4 0.04   9 -0.01   9 0.00
 Mass loading for foliar deposition
9 -0.01   9 -0.01   4 0.04   4 0.01
 Soil ingestion
7 -0.02   7 -0.01   6 -0.03   6 -0.01
 Plant transfer factor for U
1 0.89   1 0.83   1 0.94   1 0.73

 R-SQUARE
0.82   0.82   0.92   0.92

 -Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/01/06 12:51 Page: Coef 7
 Title   : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
 Input File : RSCSSU_Probability.RAD

  Coefficients for peak Meat (WaterInd.) Dose
         Coefficient =
PCC   SRC   PRCC   SRRC
          Repetition =
1   1   1   1

 Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

 Indoor time fraction
0 0.00   0 0.00   0 0.00   0 0.00
 Outdoor time fraction
0 0.00   0 0.00   0 0.00   0 0.00
 Fruit, vegetable, and grain consumption
0 0.00   0 0.00   0 0.00   0 0.00
 Leafy vegetable consumption
0 0.00   0 0.00   0 0.00   0 0.00
 Inhalation rate
0 0.00   0 0.00   0 0.00   0 0.00

Mass loading for inhalation
0 0.00 0 0.00 0 0.00 0 0.00
Mass loading for foliar deposition
0 0.00 0 0.00 0 0.00 0 0.00
Soil ingestion
0 0.00 0 0.00 0 0.00 0 0.00
Plant transfer factor for U
0 0.00 0 0.00 0 0.00 0 0.00

R-SQUARE
0.00 0.00 0.00 0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak Milk (WaterInd.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Fruit, vegetable, and grain consumption	0	0.00	0	0.00	0	0.00	0	0.00
Leafy vegetable consumption	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for foliar deposition	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion								

0 0.00   0 0.00   0 0.00   0 0.00
 Plant transfer factor for U
0 0.00   0 0.00   0 0.00   0 0.00

 R-SQUARE
0.00   0.00   0.00   0.00

 -Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/01/06 12:51 Page: Coef 9
 Title   : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
 Input File : RSCSSU_Probability.RAD

  Coefficients for peak Soil Ingestion Dose
         Coefficient =
PCC   SRC   PRCC   SRRC
          Repetition =
1   1   1   1

 Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

 Indoor time fraction
2 0.49   2 0.07   2 0.94   2 0.10
 Outdoor time fraction
3 0.08   3 0.01   3 0.40   3 0.02
 Fruit, vegetable, and grain consumption
5 -0.05   5 -0.01   5 0.05   5 0.00
 Leafy vegetable consumption
4 0.07   4 0.01   9 0.00   9 0.00
 Inhalation rate
6 0.03   6 0.00   8 0.00   8 0.00
 Mass loading for inhalation
7 0.02   7 0.00   7 0.01   7 0.00
 Mass loading for foliar deposition
9 -0.01   9 0.00   4 -0.06   4 0.00
 Soil ingestion
1 0.99   1 0.99   1 1.00   1 1.00
 Plant transfer factor for U
8 -0.02   8 0.00   6 0.05   6 0.00

R-SQUARE				
0.98	0.98	1.00	1.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.				
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.				

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak Water Ingestion Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Indoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Fruit, vegetable, and grain consumption	0 0.00	0 0.00	0 0.00	0 0.00
Leafy vegetable consumption	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for foliar deposition	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Plant transfer factor for U	0 0.00	0 0.00	0 0.00	0 0.00

R-SQUARE				
0.00	0.00	0.00	0.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak Fish Ingestion Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Fruit, vegetable, and grain consumption	0	0.00	0	0.00	0	0.00	0	0.00
Leafy vegetable consumption	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for foliar deposition	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Plant transfer factor for U	0	0.00	0	0.00	0	0.00	0	0.00

R-SQUARE			
0.00	0.00	0.00	0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the

variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak Radon (WaterDep.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Indoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Fruit, vegetable, and grain consumption	0 0.00	0 0.00	0 0.00	0 0.00
Leafy vegetable consumption	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for foliar deposition	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Plant transfer factor for U	0 0.00	0 0.00	0 0.00	0 0.00

R-SQUARE				
0.00	0.00	0.00	0.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak Plant (WaterDep.) Dose

PCC	Coefficient = SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Indoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Fruit, vegetable, and grain consumption	0 0.00	0 0.00	0 0.00	0 0.00
Leafy vegetable consumption	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for foliar deposition	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Plant transfer factor for U	0 0.00	0 0.00	0 0.00	0 0.00

R-SQUARE				
0.00	0.00	0.00	0.00	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak Meat (WaterDep.) Dose
Coefficient =
PCC SRC PRCC SRRC
Repetition =
1 1 1 1

Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

Indoor time fraction
0 0.00 0 0.00 0 0.00 0 0.00
Outdoor time fraction
0 0.00 0 0.00 0 0.00 0 0.00
Fruit, vegetable, and grain consumption
0 0.00 0 0.00 0 0.00 0 0.00
Leafy vegetable consumption
0 0.00 0 0.00 0 0.00 0 0.00
Inhalation rate
0 0.00 0 0.00 0 0.00 0 0.00
Mass loading for inhalation
0 0.00 0 0.00 0 0.00 0 0.00
Mass loading for foliar deposition
0 0.00 0 0.00 0 0.00 0 0.00
Soil ingestion
0 0.00 0 0.00 0 0.00 0 0.00
Plant transfer factor for U
0 0.00 0 0.00 0 0.00 0 0.00

R-SQUARE
0.00 0.00 0.00 0.00

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak Milk (WaterDep.) Dose
Coefficient =
PCC SRC PRCC SRRC

```
          Repetition  =
1         1         1         1

_____________________________________________________________________________
_____________________ _________ _________ _________ _________
 Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

_____________________________________________________________________________
_____________________ ___ _____ ___ _____ ___ _____ ___ _____
 Indoor time fraction
0  0.00   0  0.00   0  0.00   0  0.00
 Outdoor time fraction
0  0.00   0  0.00   0  0.00   0  0.00
 Fruit, vegetable, and grain consumption
0  0.00   0  0.00   0  0.00   0  0.00
 Leafy vegetable consumption
0  0.00   0  0.00   0  0.00   0  0.00
 Inhalation rate
0  0.00   0  0.00   0  0.00   0  0.00
 Mass loading for inhalation
0  0.00   0  0.00   0  0.00   0  0.00
 Mass loading for foliar deposition
0  0.00   0  0.00   0  0.00   0  0.00
 Soil ingestion
0  0.00   0  0.00   0  0.00   0  0.00
 Plant transfer factor for U
0  0.00   0  0.00   0  0.00   0  0.00

_____________________________________________________________________________
_____________________    _____     _____     _____     _____
 R-SQUARE
0.00      0.00      0.00      0.00

_____________________________________________________________________________
_____________________ _____ _____ _____ _____
 -Rank is set to zero if the dose is zero or the correlation matrix is
singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of
determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on
the independent variables.

1 RESRAD Regression and Correlation output  03/01/06 12:51 Page: Coef
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 Title      : Probabilistic Resident Child Surface Soil U - Ash Pits
West Excavation Soils
 Input File : RSCSSU_Probability.RAD

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____

  Coefficients for peak U-234 Dose
         Coefficient  =
PCC       SRC      PRCC      SRRC
          Repetition  =
1         1         1         1

_____________________________________________________________________________
_____________________ _________ _________ _________ _________
```

Description of Probabilistic Variable								
Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff					
Indoor time fraction								
6	0.06	6	0.03	5	0.15	5	0.07	
Outdoor time fraction								
7	-0.06	7	-0.02	9	0.02	9	0.01	
Fruit, vegetable, and grain consumption								
2	0.63	2	0.34	3	0.72	3	0.47	
Leafy vegetable consumption								
4	0.11	4	0.05	4	0.19	4	0.09	
Inhalation rate								
8	0.02	8	0.01	6	0.08	6	0.04	
Mass loading for inhalation								
5	0.10	5	0.04	8	0.02	8	0.01	
Mass loading for foliar deposition								
9	-0.01	9	-0.01	7	-0.02	7	-0.01	
Soil ingestion								
3	0.44	3	0.21	2	0.72	2	0.48	
Plant transfer factor for U								
1	0.89	1	0.81	1	0.78	1	0.57	

R-SQUARE			
0.82	0.82	0.79	0.79

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the
variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 03/01/06 12:51 Page: Coef 17
Title : Probabilistic Resident Child Surface Soil U - Ash Pits West Excavation Soils
Input File : RSCSSU_Probability.RAD

Coefficients for peak U-235 Dose

	Coefficient =		
PCC	SRC	PRCC	SRRC
	Repetition =		
1	1	1	1

Description of Probabilistic Variable								
Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff					

```
 Indoor time fraction
2  0.80   2  0.48   1  0.90   1  0.78
 Outdoor time fraction
4  0.45   4  0.18   2  0.66   2  0.33
 Fruit, vegetable, and grain consumption
3  0.63   3  0.29   4  0.48   4  0.21
 Leafy vegetable consumption
6  0.11   6  0.04   6  0.07   6  0.03
 Inhalation rate
8  0.02   8  0.01   9  0.00   9  0.00
 Mass loading for inhalation
7  0.10   7  0.04   8 -0.02   8 -0.01
 Mass loading for foliar deposition
9 -0.01   9  0.00   7 -0.04   7 -0.02
 Soil ingestion
5  0.44   5  0.18   5  0.42   5  0.18
 Plant transfer factor for U
1  0.89   1  0.69   3  0.57   3  0.26

_____________________     ______     ______     ______     ______
 R-SQUARE
0.87      0.87      0.86      0.86

_____________________     ______     ______     ______     ______
 -Rank is set to zero if the dose is zero or the correlation matrix is
singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of
determination; it provides a measure of the
  variation in the dependent variable (Dose) explained by regression on
the independent variables.

1 RESRAD Regression and Correlation output  03/01/06 12:51 Page: Coef
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 Title      : Probabilistic Resident Child Surface Soil U - Ash Pits
West Excavation Soils
 Input File : RSCSSU_Probability.RAD

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____

  Coefficients for peak U-238 Dose
         Coefficient  =
PCC       SRC      PRCC      SRRC
          Repetition  =
1         1         1         1

_____________________ _________ _________ _________ _________
 Description of Probabilistic Variable
Sig Coeff Sig Coeff Sig Coeff Sig Coeff

_____________________ ___ ______ ___ ______ ___ ______ ___ ______
 Indoor time fraction
4  0.31   4  0.14   2  0.70   2  0.47
 Outdoor time fraction
7  0.06   7  0.03   5  0.38   5  0.20
 Fruit, vegetable, and grain consumption
```

2	0.63	2	0.33	3	0.62	3	0.38
Leafy vegetable consumption							
5	0.11	5	0.05	6	0.15	6	0.07
Inhalation rate							
8	0.02	8	0.01	8	0.04	8	0.02
Mass loading for inhalation							
6	0.10	6	0.04	9	0.01	9	0.00
Mass loading for foliar deposition							
9	-0.01	9	-0.01	7	-0.04	7	-0.02
Soil ingestion							
3	0.44	3	0.21	4	0.61	4	0.37
Plant transfer factor for U							
1	0.89	1	0.80	1	0.70	1	0.48

R-SQUARE				
0.83	0.83	0.77	0.77	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.